ISO 9001 2015 CERTIFIED

HOLMARC®
OPTO-MECHATRONICS LTD



LINEAR AND ROTATION TRANSLATION STAGES

PRECISION • STABILITY • PERFORMANCE

www.holmarc.com



10

LINEAR AND ROTATION TRANSLATION STAGES

690 LINEAR AND ROTATION TRANSLATION STAGES
692 Linear Translation Stage
692 TS-30 Translation Stage
694 TS-35 Translation Stage
696 TS-50 Translation Stage
698 TS-65 Translation Stage
700 TS-90 Translation Stage
702 TSQ-90 Translation Stage
704 TS 120 Translation Stage
706 TSQ 120 Translation Stage
708 Precision Translation Stage
708 TSV - 35 Translation Stage
710 LTSV-35 Translation Stage :
710 Side Drive
712 TSV-50 Translation Stage
714 LTSV-50 Translation Stage : Side Drive
716 TSV-65 Translation Stage
718 LTSV-65 Translation Stage :
718 Side Drive
720 TSV-90 Translation Stage
722 LTSV-90 Translation Stage
722 Side Drive
724 Vertical Translation Stage
725 VTS Series
726 Multi Axis Translation Stages
726 Manual XY Theta Stage
726 XYZ Compact Translation Stage
727 XYZ Compact Translation Stage
727 XYZ Compact Translation Stage
727 XYZ Compact Translation Stage
728 XYZ Compact Translation Stage
728 XYZ Compact Translation Stage
729 XYZ Compact Translation Stage
729 XYZ Positioner
730 4 Axis Stages
730 Five Axis Positioner
731 XYZ Heavy Duty Translation Stages
732 XY Moving Platform
732 XYTSM Series
733 XYTSWM Series XY Moving Platform
734 Heavy Duty XY Moving Platform
734 XYTSWM Series XY Heavy Duty Moving Platform
736 XYTS Series XY Moving Platform
737 XYTSW Series XY moving Stage
738 Heavy Duty Stage
738 Heavy Duty XZ Stage
738 Heavy Duty XZ Stage
739 Heavy Duty TS
740 Long Travel Translation Stage
741 Translation Stage with Vernier readout
742 MLS Series Translation Stages
743 LTTS 50 Series
744 LTTS 75 Series
745 LTTS 125 Series
746 LTTS 150 Series
748 LTTS 200 Series
749 LTTS 250 Series
750 Cryostat Positioner
751 Cryostat Positioner
751 Cryostat Positioner
751 Cryostat Positioner
752 Microscope Translation Stage
752 Microscope Translation Stage
756 Goniometer- Worm Gear Drive
756 Goniometer - Single Axis
756 GM Series
758 Heavy Duty Goniometer
760 Rotation Stage
760 RS Series
761 Angle Display Unit
762 Rotation Stages -
762 Continuous Rotation - 360°
762 WRSC series Rotation Stages
763 WRS series Rotation Stages







Linear Translation Stage



- **Space restricted applications**
- **XY configurations**
- **XYZ configurations**

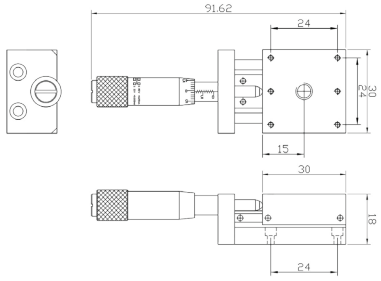
TS-30 Translation Stage

These are miniature stages for space restricted applications. Pre loaded ball bearing guide ways ensure friction free and play-less movement. The stages are modular in design so that these can be assembled in XY and XYZ configurations.

Available in multi axis configurations

Micrometer with resolution of 5 micron or 10 micron






XY Axis


X Axis


Z


XYZ


XZ

Specifications

Straight line accuracy	5 μm
Micrometer linear resolution	5 μm or 10 μm
Guide way	Precision ball bearing guide way
Construction	Aluminum alloy B51S
Finish	Black anodized
Mounting holes	tapped holes on carriage
	M6 tapped hole on top and bottom
	M2 CBR hole for mounting the stage to base Plate
Mounting options	Post mountable by using M6 thread
	Breadboard mounting by using base plate
Design	Modular design for multi axis configurations
Travel	15 mm
Carriage Size	30 mm x 30 mm
Load Capacity	3 kg vertical on X axis
Drive	Option-1) 10μ Micrometer Option-2) 5μ Micrometer

Micrometer Drive 5µ resolution







Model No.	TS30-Mu05-01	TS30-Mu05-02	TS30-Mu05-03	TS30-Mu05-04	TS30-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	3	3	0.5	0.5	0.5

Micrometer Drive 10µ resolution

Model No.	TS30-Mu10-01	TS30-Mu10-01	TS30-Mu10-01	TS30-Mu10-01	TS30-Mu10-01
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	3	3	0.5	0.5	0.5

Accessories





	APTS-30	BPTS-30	ABTS-30
Model No.	Adapter Plate	Base Plate	Angle Bracket

Micrometer Drives



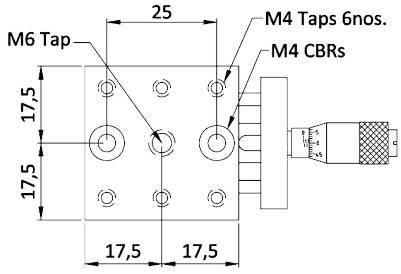

Model	M56	Model	M106
Micrometer	5µ	Micrometer	10µ
Length L	23 +/- 3 mm	Length L	23 +/- 3 mm
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

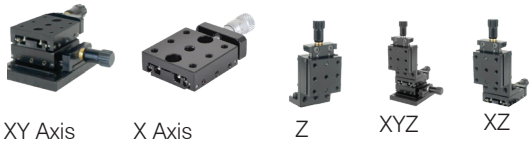
TS-35 Translation Stage

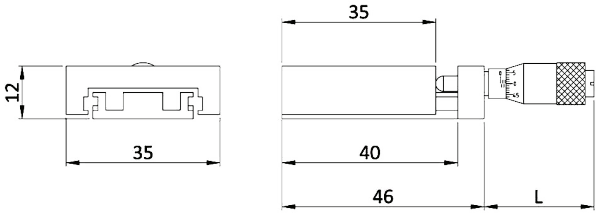
These are miniature stages for space restricted applications. Pre loaded ball bearing guide ways ensure friction free and play-less movement. The stages are modular in design so that these can be assembled in XY and XYZ configurations

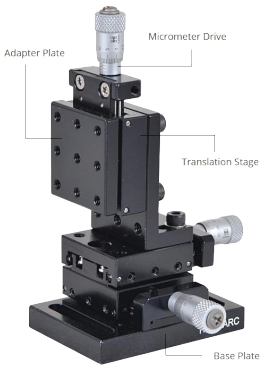
Available in multi axis configurations

Micrometer with resolution of 5 micron or 10 micron









Specifications

Straight line accuracy	5 μm
Micrometer linear resolution	5 μm or 10 μm
Guide way	Precision ball bearing guide way
Construction	Aluminum alloy B51S
Finish	Black anodized
Mounting holes	M4 tapped holes on carriage
	M6 tapped hole on top and bottom
	M4 CBR hole for mounting the stage to base Plate
Mounting options	Post mountable by using M6 thread
	Breadboard mounting by using base plate
Design	Modular design for multi axis configurations
Travel	6 mm
Carriage Size	35 mm x 35 mm
Load Capacity	3 kg vertical on X axis
Drive	Option-1) 10μ Micrometer Option-2) 5μ Micrometer

Micrometer Drive 5µ resolution







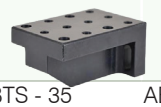
Model No.	TS35-Mu05-01	TS35-Mu05-02	TS35-Mu05-03	TS35-Mu05-04	TS35-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	3	3	0.5	0.5	0.5

Micrometer Drive 10µ resolution

Model No.	TS35-Mu05-01	TS35-Mu05-02	TS35-Mu05-03	TS35-Mu05-04	TS35-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	3	3	0.5	0.5	0.5

Accessories





	APTS - 35	BPTS - 35	ABTS - 35	ABZTS - 35	
Model No.	Adapter Plate	Base Plate	Angle Bracket		




Model	M56	Model	M106
Micrometer	5µ	Micrometer	10µ
Length L	23 +/- 3 mm	Length L	23 +/- 3 mm
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

TS-50 Translation Stage

These stages have pre-loaded rolling contact guide ways to ensure friction free movement and precise positioning. XY and XYZ configurations are possible with the help of angle brackets and adapter plates.



Available in multi axis configurations



XY Configuration



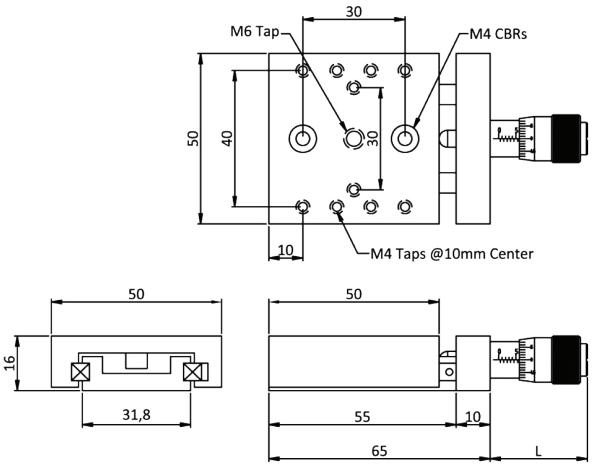
XYZ Configuration



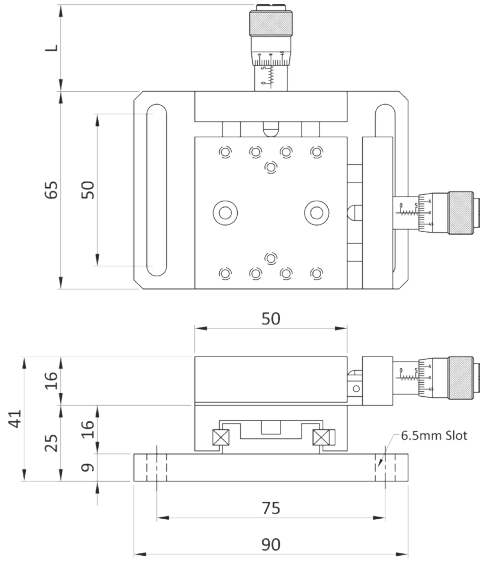
Z Configuration



XZ Configuration



X Configuration



XY Configuration

Specifications

Straight line accuracy	7.5 μm
Micrometer linear resolution	10 μm
Guide way	Precision ball bearing guide way
Construction	Aluminum alloy B51S
Finish	Black anodized
Mounting holes	M4 tapped holes on carriage
	M6 tapped hole on top and bottom
	M4 CBR hole for mounting the stage to base Plate
Mounting options	Post mountable by using M6 thread
	Breadboard mounting by using base plate
Design	Modular design for multi axis configurations
Travel	10 mm
Carriage Size	50 mm x 50 mm
Load Capacity	5 kg vertical on X axis
Drive	Micrometer

Micrometer Drive 5µ resolution



Model No.	TS50-Mu05-01	TS50-Mu05-02	TS50-Mu05-03	TS50-Mu05-04	TS50-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	5	5	2	2	2

Micrometer Drive 10µ resolution

Model No.	TS50-Mu10-01	TS50-Mu10-02	TS50-Mu10-03	TS50-Mu10-04	TS50-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	5	5	2	2	2

Accessories



Model No	APTS - 50	BPTS - 50	ABTS - 50	ABZTS - 50	
	Adapter Plate	Base Plate	Angle Bracket		

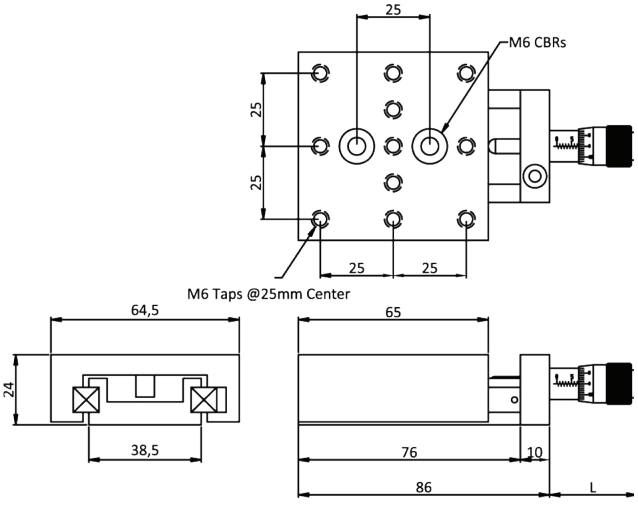


Model	M510	Model	M1010
Micrometer	5µ	Micrometer	10µ
Length L	23 +/- 3 mm	Length L	23 +/- 3 mm
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

TS-65 Translation Stage

These stages have guide ways using crossed rollers for enhanced load capacity and rigidity. Pre- loading ensures play-less and precision movement.





TS65-Mu05-01



XY Configuration



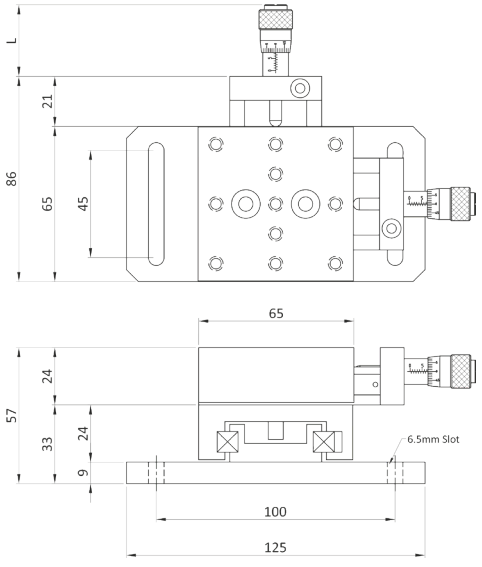
XYZ Configuration



Z Configuration



XZ Configuration



TS65-Mu05-02

Specifications

Straight line accuracy	7.5 μm
Micrometer linear resolution	10 μm
Guide way	Precision ball bearing guide way
Construction	Aluminum alloy B51S
Finish	Black anodized
Mounting holes	M6 tapped holes on carriage
	M6 CBR hole for mounting the stage to base plate or breadboard
Mounting options	Can be mounted to breadboard directly or by using Base Plate
Design	Modular design for multi axis configurations
Travel	15 mm
Carriage Size	65 mm x 65 mm
Load Capacity	20 kg vertical on X axis
Drive	Micrometer / digital micrometer

Micrometer Drive 5µ resolution







Model No.	TS65-Mu05-01	TS65-Mu05-02	TS65-Mu05-03	TS65-Mu05-04	TS65-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Micrometer Drive 10µ resolution

Model No.	TS65-Mu10-01	TS65-Mu10-02	TS65-Mu10-03	TS65-Mu10-04	TS65-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Digital Micrometer Drive

Model No.	TS65-DMu10-01	TS65-DMu10-02	TS65-DMu10-03	TS65-DMu10-04	TS65-DMu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Accessories





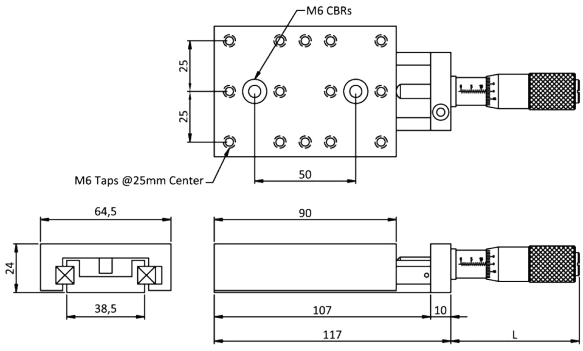
Model No.	APTS - 65	BPTS - 65	ABTS - 65	ABZTS-65	
Configuration	Adapter Plate	Base Plate	Angle Bracket		

Micrometer

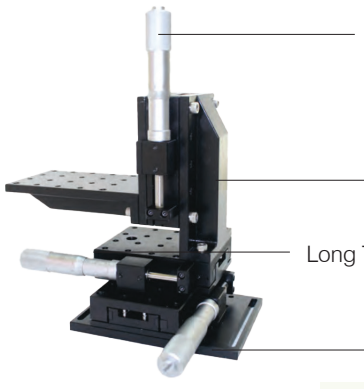
Model	M515	M1015	DM115		
Micrometer	5µ	10µ	Digital		

TS-90 Translation Stage





These stages have pre-loaded rolling contact guide ways using crossed rollers. The use cross rollers ensures high load capacity along with rigidity and stability.





XY Configuration



Z Configuration



XZ Configuration



XYZ Configuration

Carriage Size : 90 mm x 65 mm

Comes in Micrometer & Digital Micrometer Drive

Specifications

Straight line accuracy	7.5 μm
Micrometer linear resolution	10 μm
Guide way	Precision ball bearing guide way
Construction	Aluminum alloy B51S
Finish	Black anodized
Mounting holes	M6 tapped holes on carriage
	M6 CBR hole for mounting the stage to base plate or breadboard
Mounting options	Can be mounted to breadboard directly or by using Base Plate
Design	Modular design for multi axis configurations
Travel	25 mm
Carriage Size	90 mm x 65 mm
Load Capacity	20 kg vertical on X axis
Drive	Micrometer / digital micrometer

Micrometer Drive 5µ resolution







Model No.	TS90-Mu05-01	TS90-Mu05-02	TS90-Mu05-03	TS90-Mu05-04	TS90-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Micrometer Drive 10µ resolution

Model No.	TS90-Mu10-01	TS90-Mu10-02	TS90-Mu10-03	TS90-Mu10-04	TS90-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Digital Micrometer Drive

Model No.	TS90-DMu10-01	TS90-DMu10-02	TS90-DMu10-03	TS90-DMu10-04	TS90-DMu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Accessories





Model No.	APTS - 90	BPTS - 90	ABTS - 90	ABZTS-90	
Configuration	Adapter Plate	Base Plate	Angle Bracket		

Micrometer

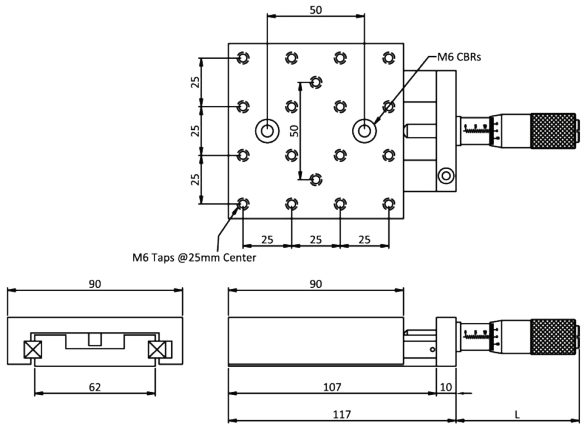
Model	M525	M1025	DM125		
Micrometer	5µ	10µ	Digital		

TSQ-90 Translation Stage

TSQ-90 stages have square shape having length and width 90mm. These stages too have rolling contact guide ways using crossed rollers. The increased width ensures highly stable positioning.

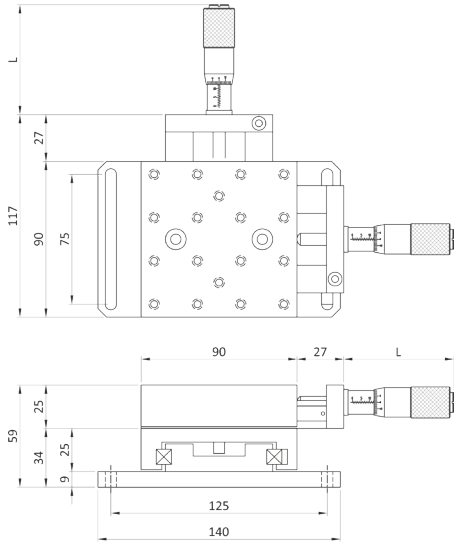
Carriage Size: 90 mm x 90 mm

Modular design for multi axis configurations



TSQ90-Mu5-01







TSQ90-Mu5-02
X Configuration

Specifications

Straight line accuracy	10 μm
Micrometer linear resolution	10 μm
Guide way	Precision ball bearing guide way
Construction	Aluminum alloy B51S
Finish	Black anodized
Mounting holes	M6 tapped holes on carriage
	M6 CBR hole for mounting the stage to base plate or breadboard
Mounting options	Can be mounted to breadboard directly or by using Base Plate
Design	Modular design for multi axis configurations
Travel	25 mm
Carriage Size	90 mm x 90 mm
Load Capacity	20 kg vertical on X axis
Drive	Micrometer / digital micrometer

Micrometer Drive 5µ resolution







Model No.	TSQ90-Mu5-01	TSQ90-Mu5-02	TSQ90-Mu5-03	TSQ90-Mu5-04	TSQ90-Mu5-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Micrometer Drive 10µ resolution

Model No.	TS90-Mu10-01	TS90-Mu10-02	TS90-Mu10-03	TS90-Mu10-04	TS90-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Digital Micrometer Drive

Model No.	TS90-DMu10-01	TS90-DMu10-02	TS90-DMu10-03	TS90-DMu10-04	TS90-DMu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Accessories





Model No.	APTSQ - 90	BPTSQ - 90	ABTSQ - 90	ABZTSQ - 90	
Configuration	Adapter Plate	Base Plate	Angle Bracket		

Micrometer

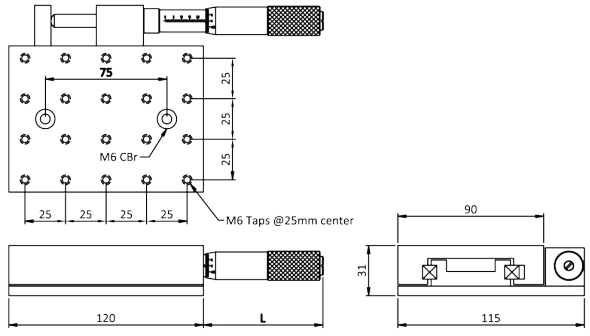
Model	M525	M1025	DM125		
Micrometer	5µ	10µ	Digital		

TS 120 Translation Stage

TS-120 translation stage has 50mm traverse with micrometer drive. These stages have rolling contact guide ways for friction free and playless positioning. Top surface has M6 mounting holes on 25 mm grid.

Carriage Size : 120 mm x 90 mm

Modular design for multi axis configurations

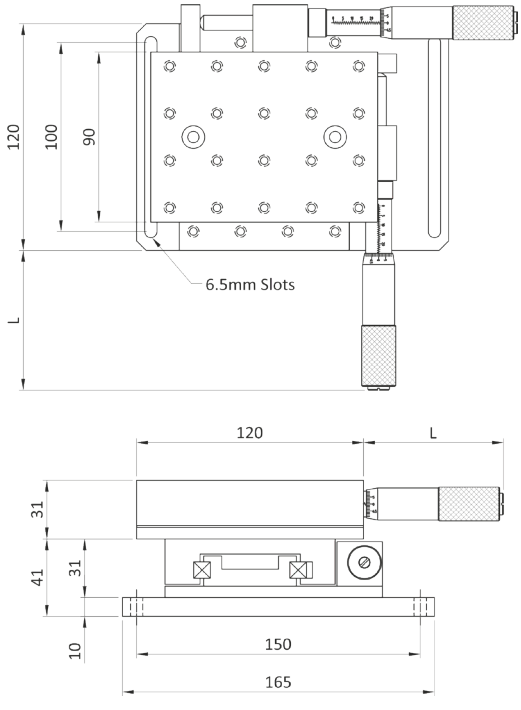


X Configuration



X Configuration





XY Configuration

Specifications

Straight line accuracy	± 10 μm for total travel length
Guide way	Precision ball guide way
Drive	Micrometer
Construction	Aluminum alloy B51S
Finish	Black anodized
Tapped Holes on Carriage	M6 tapped holes on 25 mm grid
Mounting Holes on the base plate	M6 tapped holes
Bread Board Mounting	With base plate /direct
Design	Modular Design for Multi Axis Configurations
Travel	50 mm
Carriage Size	120 mm x 90 mm
Load Capacity	20 kg vertical on X axis

Micrometer Drive 5µ resolution






Model No.	TS120-Mu05-01	TS120-Mu05-02	TS120-Mu05-03	TS120-Mu05-04	TS120-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	8	8	8

Micrometer Drive 10µ resolution

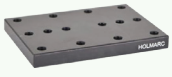
Model No.	TS120-Mu10-01	TS120-Mu10-02	TS120-Mu10-03	TS120-Mu10-04	TS120-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	8	8	8

Micrometer Drive




Model	M250	M1050	
Micrometer	10µ	1µ	5µ
Lead screw pitch	50 mm	50 mm	50 mm
Lead screw pitch	0.5 mm	0.5 mm	0.25 mm

Accessories

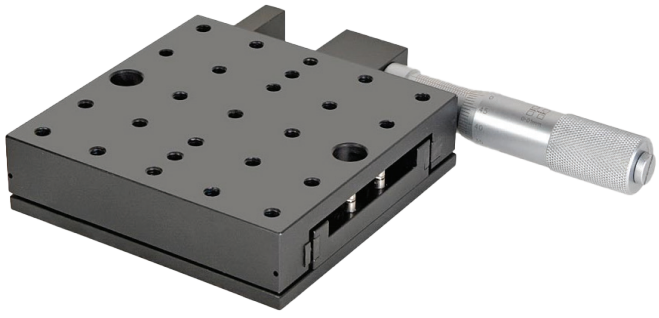




Model No.	APTS - 120	BPTS - 120	ABTS - 120	ABZTS - 120
Configuration	Adapter Plate	Base Plate	Angle Bracket	

TSQ 120 Translation Stage

TSQ-120 stages have square shape having length and width 120mm.
These stages too have rolling contact guide ways using crossed rollers.
The increased width ensures highly stable positioning.



Carriage Size: 120 mm x 120 mm

Modular design for multi axis configurations

Custom XYZ Configurations



XY Configuration



X Configuration

Specifications

Straight line accuracy	± 10 μm for total travel length
Guide way	Precision ball guide way
Drive	Micrometer
Construction	Aluminum alloy B51S
Finish	Black anodized
Tapped Holes on Carriage	M6 tapped holes on 25 mm grid
Mounting Holes on the base plate	M6 tapped holes
Bread Board Mounting	With base plate /direct
Design	Modular Design for Multi Axis Configurations
Travel	50 mm
Carriage Size	120 mm x 120 mm
Load Capacity	20 kg vertical on X axis

Micrometer Drive 5µ resolution




Model No.	TSQ120-Mu5-01	TSQ120-Mu5-02	TSQ120-Mu5-03	TSQ120-Mu5-04	TSQ120-Mu5-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	8	8	8

Micrometer Drive 10µ resolution

Model No.	TS120-Mu10-01	TS120-Mu10-02	TS120-Mu10-03	TS120-Mu10-04	TS120-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Base Plate	•	•	•		•
Quantity	1	1	1		1
Adapter Plate			•	•	•
Quantity			1	1	1
Angle Bracket			•	•	•
Quantity			2	1	1
Z Axis Angle Bracket With Base Plate				•	
Quantity				1	
Load Capacity (kg)	20	20	6	6	6

Micrometer Drive




Model	M250	Model	M1050
Micrometer	5µ	Micrometer	10µ
Length L	110 +/- 25	Length L	110 +/- 25
Lead screw pitch	50 mm	Lead screw pitch	50 mm
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

Accessories





Model No.	APTSQ-120	BPTSQ-120	ABTSQ-120	ABZTSQ-120
Configuration	Adapter Plate	Base Plate	Angle Bracket	

Precision Translation Stage

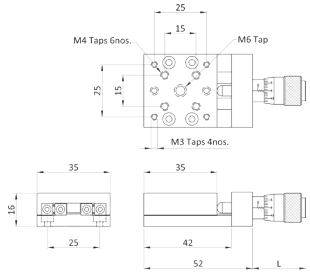


Multi axis configurations

10µm & 5µm Micrometer Drive

TSV - 35 Translation Stage

Travel	5 mm
Carriage Size	35 mm x 35 mm
Load Capacity	3 kg vertical on X axis
Drive (option1)	Micrometer 10μm Resolution
Drive (option2)	Micrometer 5μm Resolution





X Configuration

Available in multi axis configurations

Comes in 10µm & 5µm Micrometer Drive



XY Configuration



XZ Configuration



XYZ Configuration



Z Configuration

Specifications

Straight line accuracy	± 10 μm for total travel length
Micrometer Linear Resolution	(Option 1) : 10 μm, (Option 2) : 5 μm
Guide way	Precision V Grooved GuideWay
Drive	Micrometer
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized (aluminium), Ground Finish for SS
Mounting Holes	M3 and M4 Tapped Holes on Carriage
	M3 CBR Hole for Mounting the Stage to Base Plate or breadboard
Mounting Options	Post Mountable by Using M6 Thread
	Breadboard Mounting by Using Base Plate
Design	Modular Design for Multi Axis Configurations

Micrometer Drive 5µ resolution - Aluminium Alloy








Model No.	TSV35-Mu05-01	TSV35-Mu05-02	TSV35-Mu05-03	TSV35-Mu05-04	TSV35-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	TSV35-Mu10-01	TSV35-Mu10-02	TSV35-Mu10-03	TSV35-Mu10-04	TSV35-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive 5µ resolution - Stainless Steel

Model No.	SSTSV35-Mu05-01	SSTSV35-Mu05-02	SSTSV35-Mu05-03	SSTSV35-Mu05-04	SSTSV35-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	SSTSV35-Mu10-01	SSTSV35-Mu10-02	SSTSV35-Mu10-03	SSTSV35-Mu10-04	SSTSV35-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive




Model			
Micrometer	5µ	Micrometer	10µ
Length L	- 42.5 +/- 7.5 mm	Length L	- 42.5 +/- 7.5 mm
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm
Resolution	0.01 mm	Resolution	0.01 mm

Accessories





Model No.	APTSV - 120	BPTSV - 120	ABTSV - 120	ABZTSV - 120
Configuration	Adapter Plate	Base Plate	Angle Bracket	

LTSV-35 Translation Stage : Side Drive

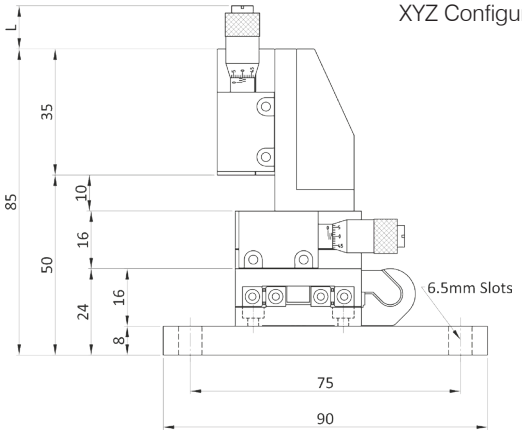
Available in multi axis configurations

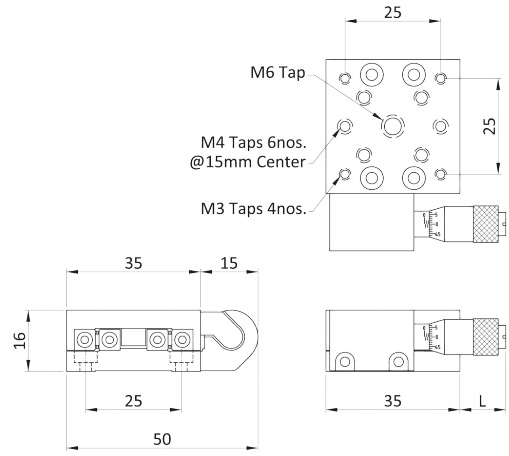
Comes in 10µm & 5µm Micrometer Drive

Travel	5 mm
Carriage Size	35 mm x 35 mm
Load Capacity	3 kg vertical on X axis
Drive (option1)	Micrometer 10μm Resolution
Drive (option2)	Micrometer 5μm Resolution

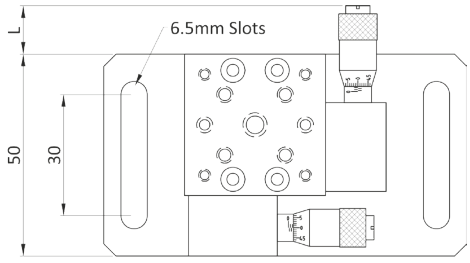


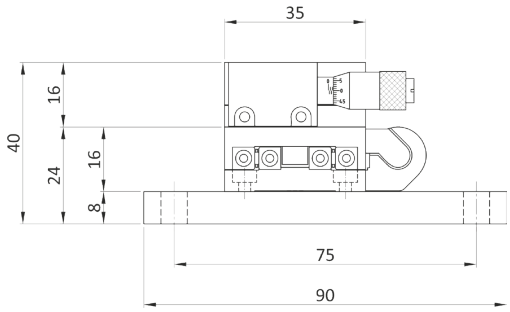
XYZ Configuration





X Configuration





XY Configuration

Specifications

Straight line accuracy	± 2 μm
Micrometer Linear Resolution (Option 1)	10 μm
Micrometer Linear Resolution (Option 2)	5 μm
Guide way	Precision V Grooved GuideWay
Drive	Micrometer
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized (aluminium), Ground Finish for SS
Mounting Holes	M3 and M4 Tapped Holes on Carriage
	M3 CBR Hole for Mounting the Stage to Base Plate or breadboard
Mounting Options	Post Mountable by Using M6 Thread
	Breadboard Mounting by Using Base Plate
Design	Modular Design for Multi Axis Configurations

Micrometer Drive 5µ resolution - Aluminium Alloy







Model No.	LTSV35-Mu05-01	LTSV35-Mu05-02	LTSV35-Mu05-03	LTSV35-Mu05-04	LTSV35-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	LTSV35-Mu10-01	LTSV35-Mu10-02	LTSV35-Mu10-03	LTSV35-Mu10-04	LTSV35-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive 5µ resolution - Stainless Steel

Model No.	SSLTSV35-Mu05-01	SSLTSV35-Mu05-02	SSLTSV35-Mu05-03	SSLTSV35-Mu05-04	SSLTSV35-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

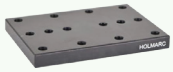
Model No.	SSLTSV35-Mu10-01	SSLTSV35-Mu10-02	SSLTSV35-Mu10-03	SSLTSV35-Mu10-04	SSLTSV35-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	3	3	0.5	0.5	0.5
Material	Alluminum Alloy				

Micrometer Drive




Length L	- 42.5 +/- 7.5 mm	Length L	- 42.5 +/- 7.5 mm
Micrometer	5µ	Micrometer	10µ
Lead screw	0.25 mm pitch	Lead screw pitch	0.25 mm

Accessories





Model No.	APLTSV-35	BPLTSV-35	ABLTSV-35
Configuration	Adapter Plate	Base Plate	Angle Bracket

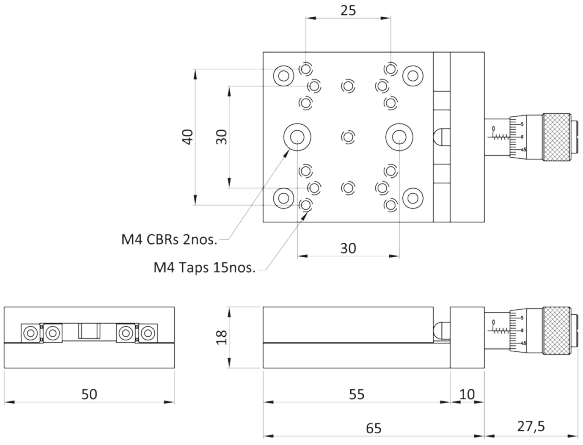
TSV-50 Translation Stage

Available in multi axis configurations

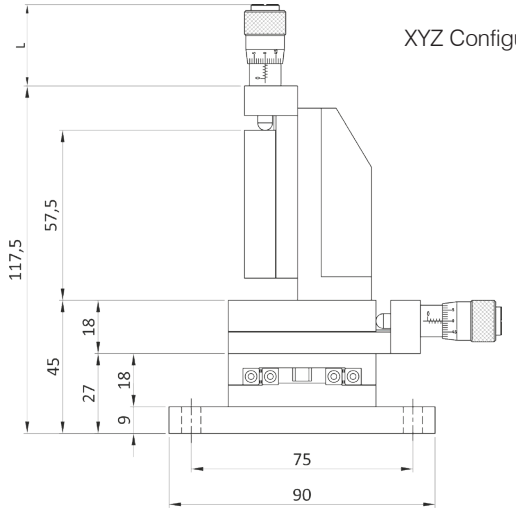
Comes in 10µm & 5µm Micrometer Drive

Travel	10 mm
Carriage Size	50 mm x 50 mm
Load Capacity	6 kg vertical on X axis
Drive (option1)	Micrometer 10μm Resolution
Drive (option2)	Micrometer 5μm Resolution

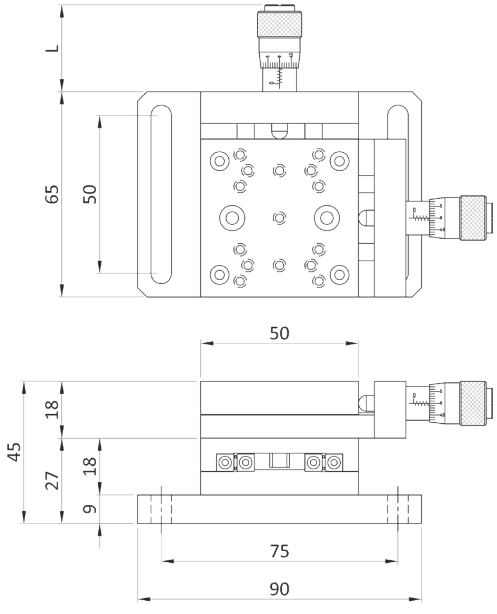




X Configuration



XYZ Configuration



XY Configuration

Specifications

Straight line accuracy	± 2 μm
Micrometer Linear Resolution	(Option 1) : 10 μm, (Option 2) : 5 μm
Guide way	Precision V Grooved GuideWay
Drive	Micrometer
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized (aluminium), Ground Finish for SS
Mounting Holes	M4 Tapped Holes on Carriage
	M4 CBR Hole for Mounting the Stage to Base Plate or Breadboard
Mounting Options	Post Mountable by Using M6 Thread
	Breadboard Mounting by Using Base Plate
Design	Modular Design for Multi Axis Configurations

Micrometer Drive 5µ resolution - Aluminium Alloy






Model No.	TSV50-Mu05-01	TSV50-Mu05-02	TSV50-Mu05-03	TSV50-Mu05-04	TSV50-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	TSV50-Mu10-01	TSV50-Mu10-02	TSV50-Mu10-03	TSV50-Mu10-04	TSV50-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive 5µ resolution - Stainless Steel

Model No.	SSTSV50-Mu05-01	SSTSV50-Mu05-02	SSTSV50-Mu05-03	SSTSV50-Mu05-04	SSTSV50-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

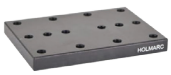
Model No.	SSTSV50-Mu10-01	SSTSV50-Mu10-02	SSTSV50-Mu10-03	SSTSV50-Mu10-04	SSTSV50-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive




Micrometer	5µ	Micrometer	10µ
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

Accessories





Model No.	APTSV-50	BPTSV-50	ABTSV-50
Configuration	Adapter Plate	Base Plate	Angle Bracket

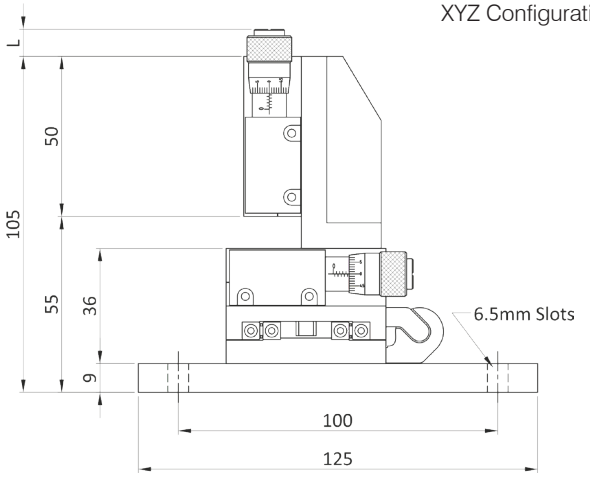
LTSV-50 Translation Stage : Side Drive

Available in multi axis configurations

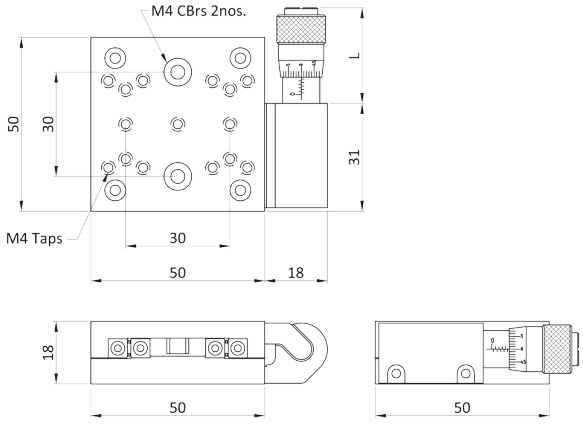
Comes in 10µm & 5µm Micrometer Drive

Travel	10 mm
Carriage Size	50 mm x 50 mm
Load Capacity	6 kg vertical on X axis
Drive (option1)	Micrometer 10μm Resolution
Drive (option2)	Micrometer 5μm Resolution

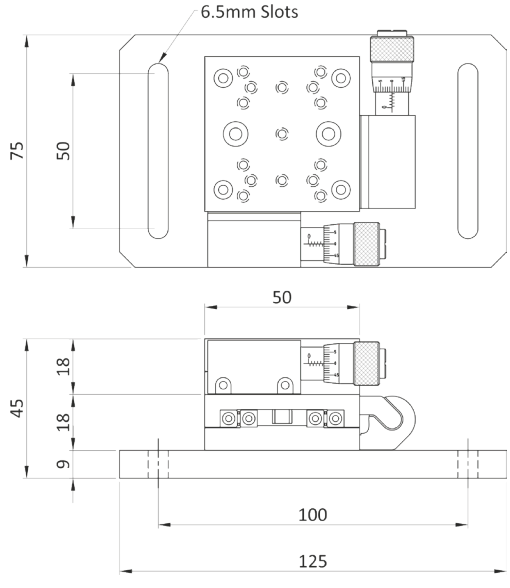




XYZ Configuration



X Configuration



XY Configuration

Specifications

Straight line accuracy	± 2 μm
Micrometer Linear Resolution	(Option 1) : 10 μm, (Option 2) : 5 μm
Guide way	Precision V Grooved GuideWay
Drive	Micrometer
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized (aluminium), Ground Finish for SS
Mounting Holes	M4 Tapped Holes on Carriage
	M4 CBR Hole for Mounting the Stage to Base Plate or Breadboard
Mounting Options	Post Mountable by Using M6 Thread
	Breadboard Mounting by Using Base Plate
Design	Modular Design for Multi Axis Configurations

Micrometer Drive 5µ resolution - Aluminium Alloy








Model No.	LTSV50-Mu05-01	LTSV50-Mu05-02	LTSV50-Mu05-03	LTSV50-Mu05-04	LTSV50-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	LTSV50-Mu10-01	LTSV50-Mu10-02	LTSV50-Mu10-03	LTSV50-Mu10-04	LTSV50-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive 5µ resolution - Stainless Steel

Model No.	SSLTSV50-Mu05-01	SSLTSV50-Mu05-02	SSLTSV50-Mu05-03	SSLTSV50-Mu05-04	SSLTSV50-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

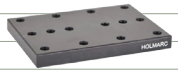
Model No.	SSLTSV50-Mu10-01	SSLTSV50-Mu10-02	SSLTSV50-Mu10-03	SSLTSV50-Mu10-04	SSLTSV50-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	6	6	2	2	2
Material	Alluminum Alloy				

Micrometer Drive




Model		Model	
Micrometer	5µ	Micrometer	10µ
Length L	L	Length L	L
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

Accessories





Model No.	APLTSV-50	BPLTSV-50	ABLTSV-50
Configuration	Adapter Plate	Base Plate	Angle Bracket

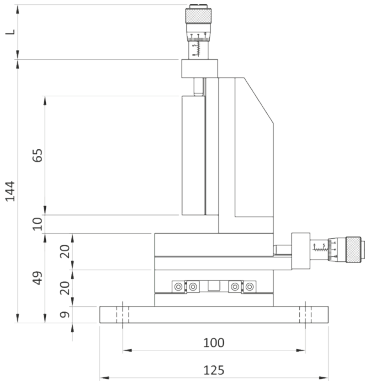
TSV-65 Translation Stage

Available in multi axis configurations

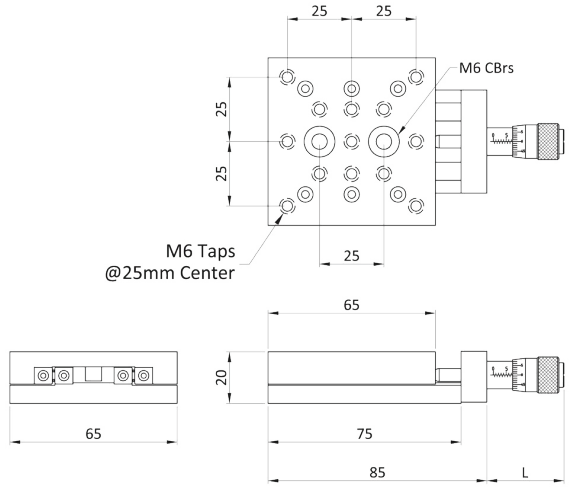
Comes in 5µm & 10µm Micrometer Drive

These stages have V grooved guide ways for precise positioning as well as for better straight line accuracy of movement compared to TS-65 stages.

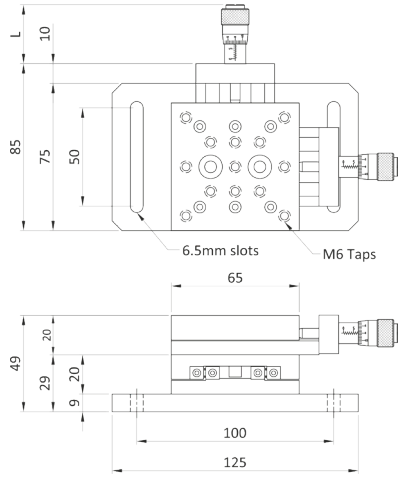




XYZ Configuration



X Configuration



XY Configuration

Specifications

Straight line accuracy	±2 µm for total travel length
Positioning accuracy	(Option 1) : Micrometer linear resolution : 1 µm,
	(Option 2) : Micrometer linear resolution : 10 µm
Guide way	Precision V Grooved GuideWay
Drive	Option-1) Micrometer 1µm Resolution (Digital)
	Option-2) Micrometer 5µm Resolution
	Option-3) Micrometer 10µm Resolution
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized for aluminium and ground finish for SS
Mounting Holes	M6Tapped holes on carriage
	M6 CBR hole for mounting stage to base plate or breadboard
Mounting Options	Directly mount to breadboard by using M6 screws or using base plate
Design	Modular Design for Multi Axis Configurations
Travel	15 mm
Carriage Size	65 mm x 65 mm
Load Capacity	20 kg vertical on X Axis

NOTE: TS-65 stages make use of flattened rods as guide ways where as TSV-65 stages use V grooved guide ways. V grooved guide ways offer better stability and straight line accuracy.

Digital Micrometer Drive 1µ resolution - Aluminium Alloy








Model No.	TSV65-DMu01-01	TSV65-DMu01-02	TSV65-DMu01-03	TSV65-DMu01-04	TSV65-DMu01-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	20	20	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	TSV65-Mu10-01	TSV65-Mu10-02	TSV65-Mu10-03	TSV65-Mu10-04	TSV65-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg	20	20	6	6	6
Material	Alluminum Alloy				

Digital Micrometer Drive 1µ resolution - Stainless Steel

Model No.	SSTSV65-DMu01-01	SSTSV65-DMu01-02	SSTSV65-DMu01-03	SSTSV65-DMu01-04	SSTSV65-DMu01-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg	20	20	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	SSTSV65-Mu10-01				
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg	20	20	6	6	6
Material	Alluminum Alloy				

Micrometer Drive





Micrometer	5µ	Micrometer	10µ	Micrometer	1µ
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm	Lead screw pitch	0.5 mm
				Linear resolution	0.001 mm

Accessories





Model No.	APTSV - 65	BPTSV - 65	ABTSV - 65	ABZTSV - 65
Configuration	Adapter Plate	Base Plate	Angle Bracket	

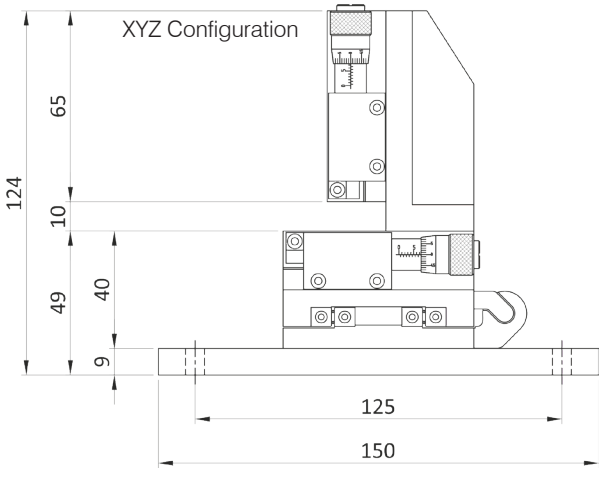
LTSV-65 Translation Stage : Side Drive

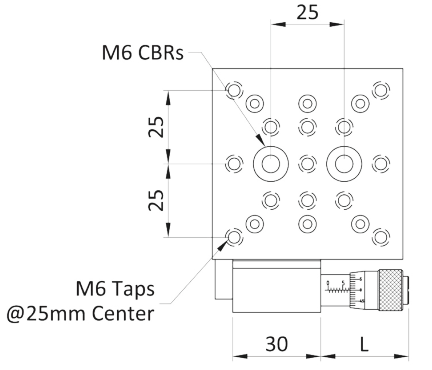
These stages have micrometer fixed by the side of the stage. This reduces the overall length of the stage. As in the case of TSV stages these models use V grooved guide ways for better straight line accuracy as well as stable positioning.

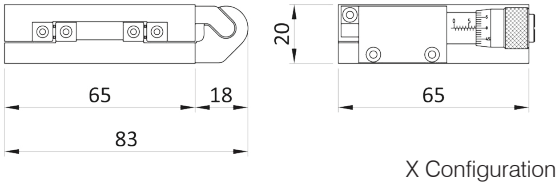
Available in multi axis configurations

Comes in 10µm & 5µm Micrometer Drive

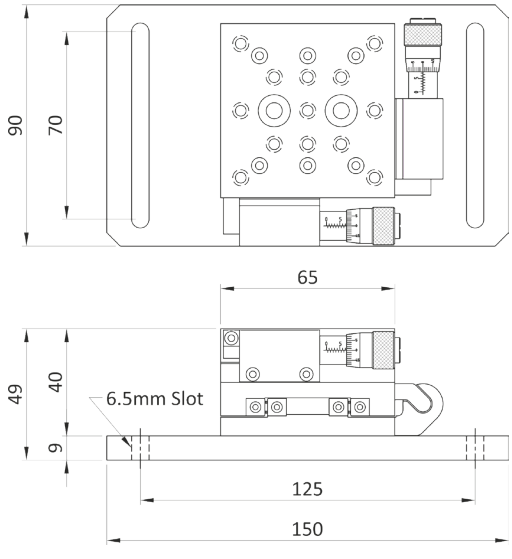








X Configuration



XY Configuration

Specifications

Straight line accuracy	±2 µm for total travel length
Positioning accuracy	(Option 1) : Micrometer linear resolution : 5 µm,
	(Option 2) : Micrometer linear resolution : 10 µm
Guide way	Precision V Grooved GuideWay
Drive	Option-1) Micrometer 5µm Resolution
	Option-2) Micrometer 10µm Resolution
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized for aluminium and ground finish for SS
Mounting Holes	M6Tapped holes on carriage
	M6 CBR hole for mounting stage to base plate or breadboard
Mounting Options	Directly mount to breadboard by using M6 screws or using base plate
Design	Modular Design for Multi Axis Configurations
Travel	15 mm
Carriage Size	65 mm x 65 mm
Load Capacity	20 kg vertical on X Axis

Micrometer Drive 5µ resolution - Aluminium Alloy








Model No.	LTSV65-Mu05-01	LTSV65-Mu05-02	LTSV65-Mu05-03	LTSV65-Mu05-04	LTSV65-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	20	20	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 10µ resolution

Model No.	LTSV65-Mu10-01	LTSV65-Mu10-02	LTSV65-Mu10-03	LTSV65-Mu10-04	LTSV65-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	20	20	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 5µ resolution - Stainless Steel 304

Model No.	SSLTSV65-Mu05-01	SSLTSV65-Mu05-02	SSLTSV65-Mu05-03	SSLTSV65-Mu05-04	SSLTSV65-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	20	20	6	6	6
Material	Stainless Steel 304				

Micrometer Drive 10µ resolution Stainless Steel 304

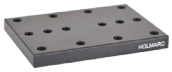
Model No.	SSLTSV65-Mu10-01	SSLTSV65-Mu10-02	SSLTSV65-Mu10-03	SSLTSV65-Mu10-04	SSLTSV65-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	20	20	6	6	6
Material	Stainless Steel 304				





Micrometer	5µ	Micrometer	10µ	Digital Micrometer
Length L	L	Length L	L	NA
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm	

Accessories





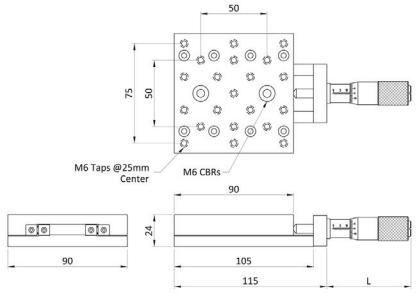
Model No.	APTSV - 65	BPTSV - 65	ABTSV - 65	ABZTSV - 65	
Configuration	Adapter Plate	Base Plate	Angle Bracket		

TSV-90 Translation Stage

TSV-90 stages use V grooved guide ways with pre-loaded crossed rollers. V grooved guides ensures straight line accuracy and stable positioning.

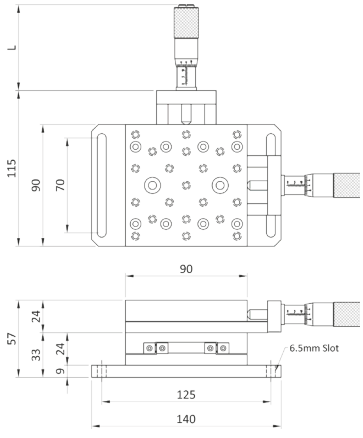
Available in multi axis configurations

Comes in 1µm, 5µm & 10µm Micrometer Drive

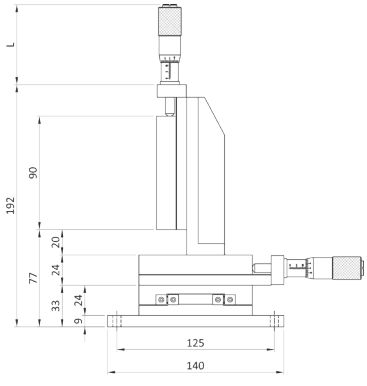


X Configuration





XY Configuration



XYZ Configuration

Specifications

Straight line accuracy	± 3.5 µm for total travel length
Positioning accuracy	(Option 1) : Micrometer linear resolution : 1 µm,
	(Option 2) : Micrometer linear resolution : 5 µm
Guide way	Precision V Grooved GuideWay
Drive	Option-1) Micrometer 1µm Resolution (Digital)
	Option-2) Micrometer 5µm Resolution
	Option-3) Micrometer 10µm Resolution
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized for aluminium and ground finish for SS
Mounting Holes	M6Tapped holes on carriage
	M6 CBR hole for mounting stage to base plate or breadboard
Mounting Options	Directly mount to breadboard by using M6 screws or using base plate
Design	Modular Design for Multi Axis Configurations
Travel	25 mm
Carriage Size	90 mm x 90 mm
Load Capacity	25 kg vertical on X Axis

NOTE: TS - 90 stages make use of flattened rods as guide ways where as TSV - 90 stages use V grooved guide ways. V grooved guide ways offer better stability and straight line accuracy.

Digital Micrometer Drive 1µ resolution - Aluminium Alloy








Model No.	TSV90-DMu01-01	TSV90-DMu01-02	TSV90-DMu01-03	TSV90-DMu01-04	TSV90-DMu01-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	22	22	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 10µ - Aluminium Alloy

Model No.	TSV90-Mu10-01	TSV90-Mu10-02	TSV90-Mu10-03	TSV90-Mu10-04	TSV90-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	22	22	6	6	6
Material	Alluminum Alloy				

Digital Micrometer Drive 1µ - Stainless Steel 304

Model No.	SSTSV90-DMu01-01	SSTSV90-DMu01-02	SSTSV90-DMu01-03	SSTSV90-DMu01-04	SSTSV90-DMu01-0
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	22	22	6	6	6
Material	Stainless Steel 304				

Micrometer Drive 5µ Stainless Steel 304

Model No.	SSTSV90-Mu05-01	SSTSV90-Mu05-02	SSTSV90-Mu05-03	SSTSV90-Mu05-04	SSTSV90-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity(kg)	22	22	6	6	6
Material	Stainless Steel 304				

Micrometer Drive 10µ Stainless Steel 304

Configuration	SSTSV90-Mu10-01	SSTSV90-Mu10-02	SSTSV90-Mu10-03	SSTSV90-Mu10-04	SSTSV90-Mu10-05
Load Capacity(kg)	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Material	22	22	6	6	6

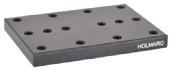
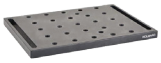
Micrometer Drive





Micrometer	5µ	Micrometer	10µ
Length L	L	Length L	L
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

Accessories


Model No.	APTSV - 90	BPTSV - 90	ABTSV - 90	ABZTSV - 90
Configuration	Adapter Plate	Base Plate	Angle Bracket	

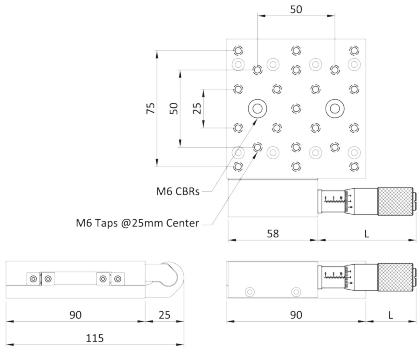
LTSV-90 Translation Stage
Side Drive

LTSV-90 stages have side drive micrometers to make stage as compact as possible. These stages use V grooved guide ways with pre-loaded crossed rollers for improved straight line accuracy as well as stable positioning.

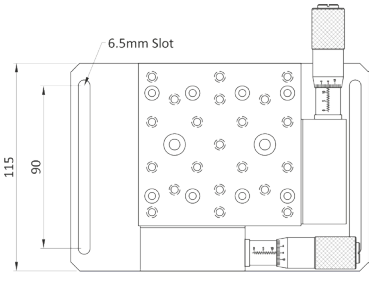


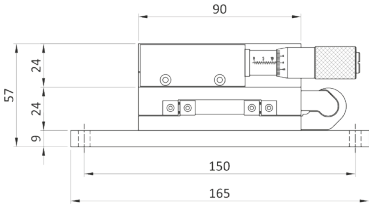
Available in multi axis configurations

Comes in 10µm & 5µm Micrometer Drive

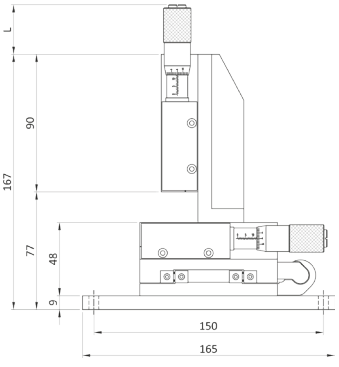


X Configuration





XY Configuration



XYZ Configuration

Specifications

Straight line accuracy	± 3.5 µm for total travel length
Positioning accuracy	(Option 1) : Micrometer linear resolution : 5 µm,
	(Option 2) : Micrometer linear resolution : 10 µm
Guide way	Precision V Grooved GuideWay
Drive	Option-1) Micrometer 5 µm Resolution
	Option-2) Micrometer 10 µm Resolution
Construction	Aluminium Alloy B51S or Stainless Steel
Finish	Black anodized for aluminium and ground finish for SS
Mounting Holes	M6 Tapped holes on carriage
	M6 CBR hole for mounting stage to base plate or breadboard
	Directly mount to breadboard by using M6 screws or using base plate
Design	Modular Design for Multi Axis Configurations
Travel	25 mm
Carriage Size	90 mm x 90 mm
Load Capacity	22 kg vertical on X Axis

Micrometer Drive 5µ resolution - Aluminium Alloy







Model No.	LTSV90-Mu05-01	LTSV90-Mu05-02	LTSV90-Mu05-03	LTSV90-Mu05-04	LTSV90-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	22	22	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 10µ - Aluminium Alloy

Model No.	LTSV90-Mu10-01	LTSV90-Mu10-02	LTSV90-Mu10-03	LTSV90-Mu10-04	LTSV90-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	22	22	6	6	6
Material	Alluminum Alloy				

Micrometer Drive 5µ - Stainless Steel 304

Model No.	SSLTSV90-Mu05-01	SSLTSV90-Mu05-02	SSLTSV90-Mu05-03	SSLTSV90-Mu05-04	SSLTSV90-Mu05-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	22	22	6	6	6
Material	Stainless Steel 304				

Micrometer Drive 10µ Stainless Steel 304

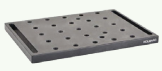
Model No.	SSLTSV90-Mu10-01	SSLTSV90-Mu10-02	SSLTSV90-Mu10-03	SSLTSV90-Mu10-04	SSLTSV90-Mu10-05
Configuration	X Axis	XY Axis	XYZ Axis	Z Axis	XZ Axis
Load Capacity (kg)	22	22	6	6	6
Material	Stainless Steel 304				

Micrometer Drive




Micrometer	5µ	Micrometer	10µ
Length L	L	Length L	L
Lead screw pitch	0.25 mm	Lead screw pitch	0.5 mm

Accessories


Model No.	APLTSV - 90	BPLTSV - 90	ABLTSV - 90
Config.	Adapter Plate	Base Plate	Angle Bracket

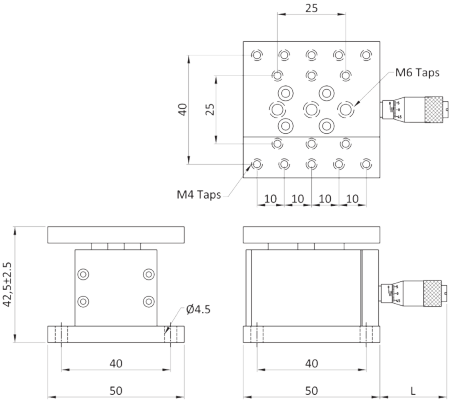
Vertical Translation Stage

Vertical movement — obtained by activating a spring-loaded cam with a micrometer head.

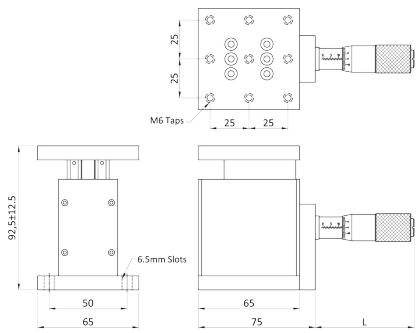
Mounting purpose — achieved through tapped holes at the top and clearance slots at the base.



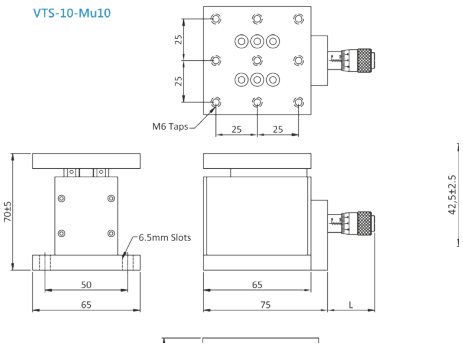
Vertical movement is obtained by activating a spring-loaded cam by micrometer head. Rolling contact guide ways using crossed rollers are employed for friction and stick-slip free translation. These guide ways are factory preloaded to eliminate play and wobble. There are tapped holes at the top and clearance slots at the base for mounting purpose. The stage is constructed in aluminium alloy and finished by black anodizing. Holmarc manufactures vertical stages in three models for 25 mm, 10 mm and 5 mm travel.





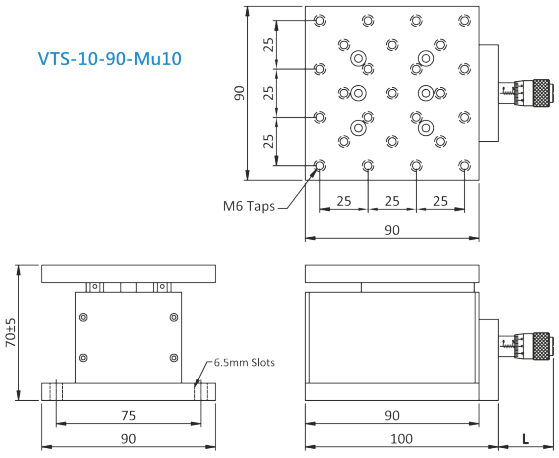




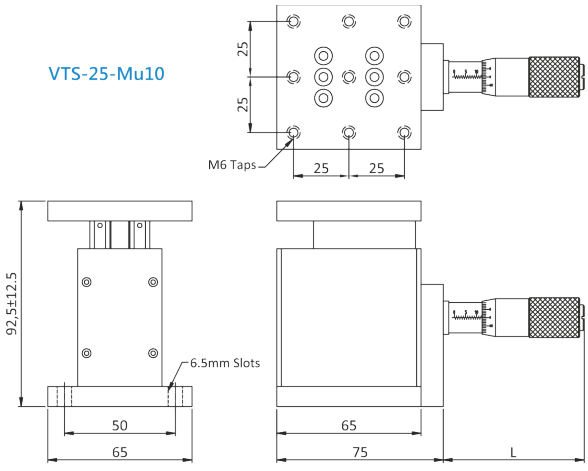


VTS Series

VTS-10-90-Mu10



VTS-25-Mu10



Specifications

Straight line accuracy	± 10 μm
Positioning accuracy	10 μm
Guide way	Precision ball slide
Drive	Precision lead screw / micrometer
Construction	Aluminium Alloy B51S
Finish	Black anodized (aluminium)
Mounting Holes	M4 / M6 tapped holes on carriage
	M4 / M6 CBR hole for mounting the stage to base plate or breadboard
Mounting Options	Post mountable by using M6 thread (VTS5 only)
	Directly mount to breadboard by using M6 screws or using base plate
Design	Modular type design for multi axis configurations

Micrometer Drive 10µ LC:0.01

Model No.	Travel (mm)	Load Capacity (kg)	Platform size (mm)	Height Min & Max	Micrometer length (L) max
VTS-5-Mu10	5	2	50 x 50	Min-40, Max-45	35
VTS-5-10-Mu10	10	2	50 x 50	Min-50, Max-60	40
VTS-10-Mu10	10	5	65 x 65	Min-65, Max-75	50
VTS-10-90-Mu10	10	5	90 x 90	Min-65, Max-75	50
VTS-25-Mu10	25	6	65 x 65	Min-80, Max-105	85
VTS-25-90-Mu10	25	6	90 x 90	Min-80, Max-105	85

Digital Micrometer 1µ LC:0.001 mm

Model No.	Travel (mm)	Load Capacity (kg)	Platform size (mm)	Height Min & Max	Micrometer length (L) max
VTS-10-DMu	10	5	65x65	Min-65, Max-75	135
VTS-10-90-DMu	10	5	90x90	Min-65, Max-75	135
VTS-25-DMu	25	6	65x65	Min-80, Max-105	145
VTS-25-90-DMu	25	6	90x90	Min-80, Max-105	145

Micrometer Drives

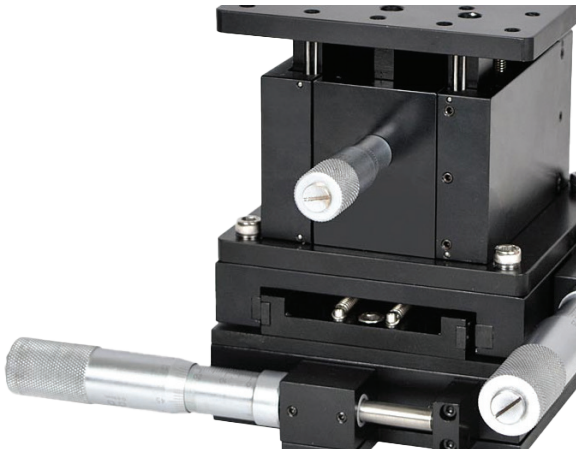
Micrometer	LC : 0.01 mm	LC : 0.001 mm

Multi Axis Translation Stages

Space restricted applications

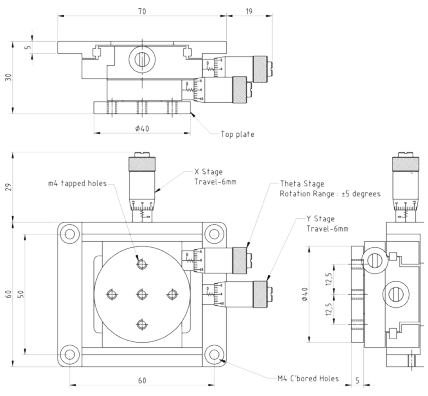
Mounting on to breadboards and optical tables

Positioning lasers or optical imaging devices like CCD cameras



Manual XY Theta Stage

Model : XYA-40



Specifications

6 mm travel for X axis
6 mm travel for Y axis
Rotation : +/- 5 degree
M4 tapped holes on top of theta stage
M4 C'bored holes at 4 corners
Aluminium alloy contruction
Black anodized finsh

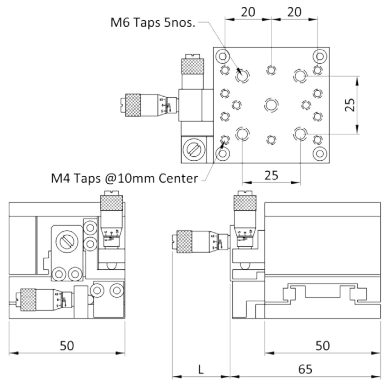
M4 tapped holes

Rotation : +/- 5 degree

XYZ Compact Translation Stage

XYZCTS50

This stage is designed and constructed to be compact and to be suitable for space restricted applications. Unlike our TS series modular stages, these stages are factory assembled as a three axes positioner. Micrometers or lead screws can be used for driving the stage. All the driving adjustment lead screws/micrometers are fixed on one side for ergonomical positioning control. M6 tapped holes are provided on top and bottom for mounting purpose. A base plate need to be used for mounting on to breadboards and optical tables.



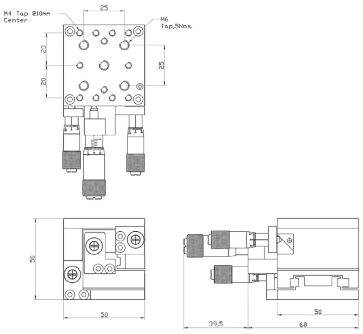
Specifications

Single side control	Precision micrometer driven
10 mm travel for X axis	M6 / M4 mounting holes
5 mm travel for YZ axis	Base mountable
50 x 50 mm top size	
50 mm minimum height	
3 kg load capacity	
Straight line accuracy	0.010 mm



XYZ Compact Translation Stage

Model : XYZCTS50-SU



This stage is designed and constructed to be compact and to be suitable for space restricted applications. Unlike our TS series modular stages, these stages are factory assembled as a three axes positioner. Micrometers or lead screws can be used for driving the stage. All the driving adjustment lead screws/micrometers are fixed on one side for ergonomical positioning control. M6 tapped holes are provided on top and bottom for mounting purpose. A base plate need to be used for mounting on to breadboards and optical tables

Specifications

Single side control and unidirectional micrometer for each axis.	3 kg load capacity
10 mm travel for X axis	Precision micrometer driven
5 mm travel for YZ axis	M6 / M4 mounting holes
50 x 50 mm top size	Base mountable
50 mm minimum height	Straight line accuracy : 0.010 mm



XYZ Compact Translation Stage

Model : XYZCTS50-10

This stage is designed and constructed to be compact and to be suitable for space restricted applications. Unlike our TS series modular stages, these stages are factory assembled as a three axes positioner. Micrometers or lead screws can be used for driving the stage. All the driving adjustment lead screws/micrometers are fixed on one side for ergonomical positioning control. M6 tapped holes are provided on top and bottom for mounting purpose. A base plate need to be used for mounting on to breadboards and optical tables.

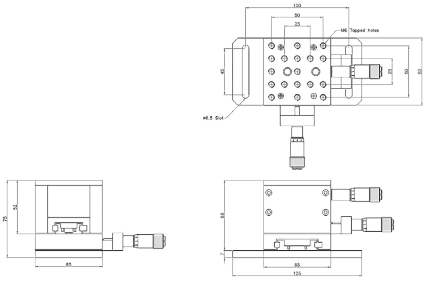


Specifications

Single side drive and unidirectional micrometer for each axis	
50 x 50 mm top size	60 mm minimum height
3 kg load capacity	Straight line accuracy : 0.010 mm
10 mm travel for X Y Z axis	Precision micrometer driven
Base mountable	M6 / M4 mounting holes

XYZ Compact Translation Stage

Model : XYZCTS65



This stage is designed and constructed to be compact and to be suitable for space restricted applications. Unlike our TS series modular stages, these stages are factory assembled as a three axes positioner. Micrometers or lead screws can be used for driving the stage. All drive micrometers are arranged along adjacent sides for ergonomical use. M6 tapped holes are provided on top and bottom for mounting purpose. A base plate need to be used for mounting on to breadboards and optical tables.

Specifications

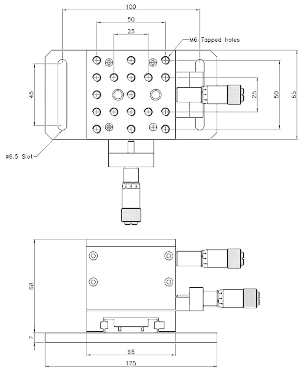
15 mm travel for XY axis	3 kg load capacity
15 mm travel for Z axis	Straight line accuracy : 0.010 mm
65 x 65 mm top size	Precision micrometer driven
75 mm minimum height, 90mm maximum height	M6 mounting holes, Base mountable

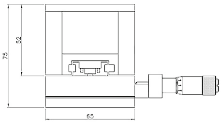


XYZ Compact Translation Stage

Model : XYZCTS65

This stage is designed and constructed to be compact and to be suitable for space restricted applications. Unlike our TS series modular stages, these stages are factory assembled as a three axes positioner. Micrometers or lead screws can be used for driving the stage. All drive micrometers are arranged along adjacent sides for ergonomical use. M6 tapped holes are provided on top and bottom for mounting purpose. A base plate need to be used for mounting on to breadboards and optical tables.





Specifications

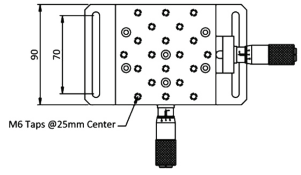
15 mm travel for XY axis
15 mm travel for Z axis
65 x 65 mm top size
75 mm minimum height, 90mm maximum height
3 kg load capacity
Straight line accuracy : 0.010 mm
Precision micrometer driven
M6 mounting holes
Base mountable

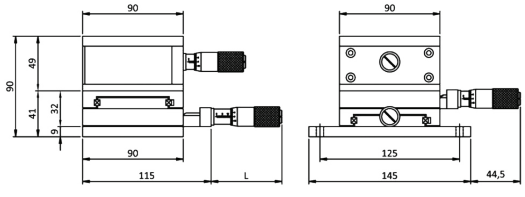


XYZ Compact Translation Stage

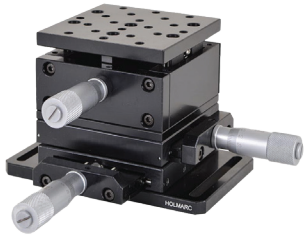
Model : XYZCTS90

This stage is designed and constructed to be compact and to be suitable for space restricted applications. Unlike our TS series modular stages, these stages are factory assembled as a three axes positioner. Micrometers or lead screws can be used for driving the stage. All drive micrometers are arranged along adjacent sides for ergonomical use. M6 tapped holes are provided on top and bottom for mounting purpose. A base plate need to be used for mounting on to breadboards and optical tables.





25 mm travel for X axis	Straight line accuracy : 0.010 mm
10 mm travel for YZ axis	Precision micrometer driven
90 x 90 mm top size	M6 mounting holes
90mm minimum height	Base mountable
5 kg load capacity	



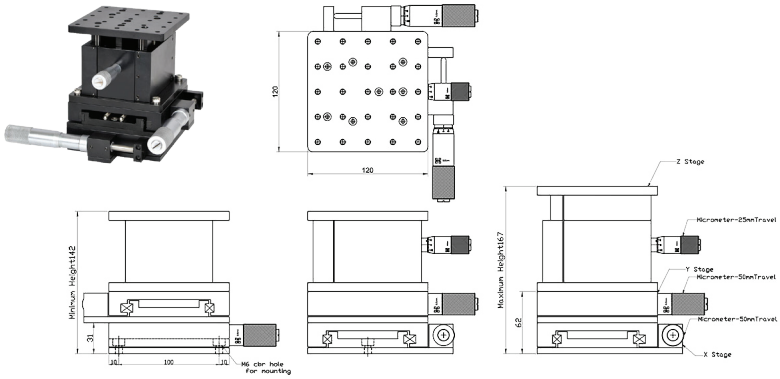
Model : XYZCTS90-DMu01

25 mm travel for X axis
10 mm travel for YZ axis
90 x 90 mm top size
90mm minimum height
5 kg load capacity
Straight line accuracy : 0.010 mm
Precision digital micrometer driven
M6 mounting holes
Base mountable



Model : XYZCTS120

50 mm travel for X axis
10 mm travel for YZ axis
120 x 120 mm top size
145 mm minimum height
6 kg load capacity
Straight line accuracy : 0.010 mm
Precision digital micrometer driven
M6 mounting holes
Base mountable



XYZ Compact Translation Stage

In these stages, the mounting surface is vertical as shown in the picture. All the three axes have pre-loaded rolling contact guides for play less and friction free movement. Drive is by 80 tpi leadscrew. Top surface of the stage has M6 tapped holes for component mounting. A base plate with M6 counter bored slot is fixed at the bottom for convenient fixing of this stage to breadboards and tables.



Specifications

XYZ, Linear Travel - 10 & 15 mm
Drive : Leadscrew
Resolution : 0.1 mm
Load Capacity : 1 kg
Straight Line Accuracy : 0.01 mm
M6 / M3 Mounting Holes

Model No.	Drive	Travel
XYZCTS 35-35	Lead Screw	10 mm
XYZCTS 60-60	Lead Screw	15 mm
XYZCTS 50-50	Lead Screw	10 mm

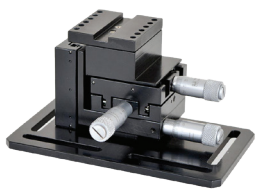
1 Kg load capacity

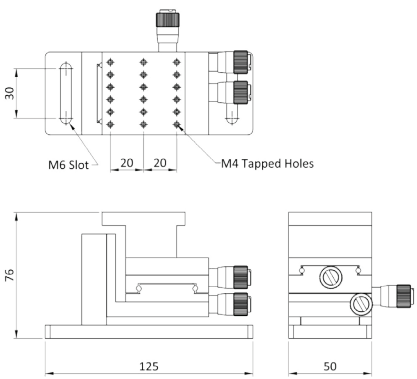
80 TPI leadscrew drive

XYZ Positioner

In these stages, mounting surface is horizontal as obvious from the photograph. All drive micrometers are arranged along adjacent sides for ergonomical use..

- 76 mm height
- X Travel 5 mm
- Y Travel 5 mm
- Z Travel 5 mm
- Aluminium Alloy
- Black anodized finish
- Load capacity 2 kg
- Drive by micrometer





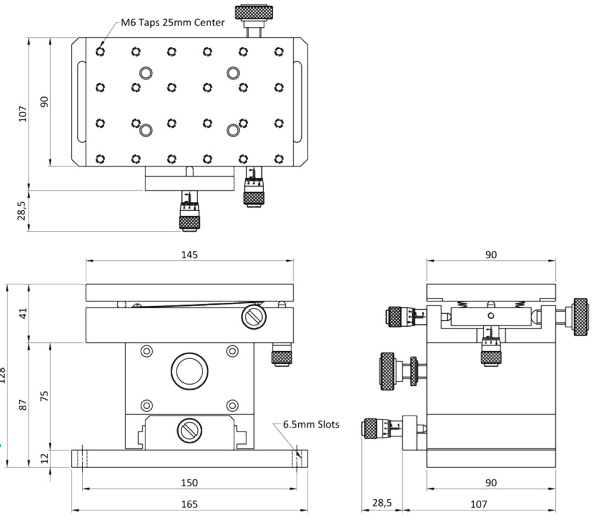
Model No.	Drive	Orientation	Travel
CTS-3AR-Mμ10	Micrometer 10μ	Right	5 mm
CTS-3AL-Mμ10	Micrometer 10μ	Left	5 mm

Micrometer Drive
2 Kg load capacity

4 Axis Stages

Model : XYZ4A

Four axes stages from holmarc are best suited for positioning lasers or optical imaging devices like CCD cameras. The stage has two linear movements (Y, Z) and two tilt adjustments (theta, phi). All four axes are driven by standard micrometer heads. Y and Z axes have rolling contact guides with crossed rollers for frictionless precise positioning. 'Phi' axis uses a spring loaded kinematic one where as 'theta' axis uses pre-loaded rotary bearings for stable positioning. Construction material is aluminium alloy and finish is black anodized.



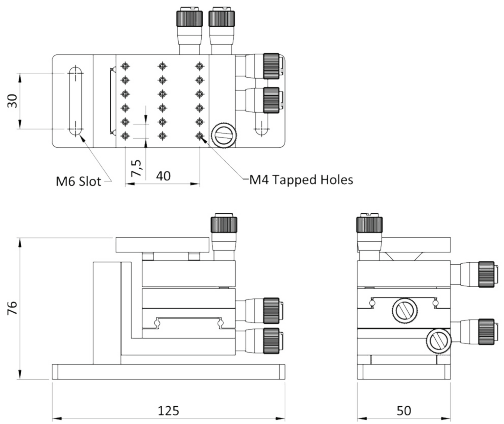


Specifications

YZ, Linear Travel - 10 mm
Theta, phi travel : +/- 2.5 degree
Drive : Micrometer
Resolution : 10microns
Straight line accuracy : 0.01 mm
Load capacity : 10kg
M6 Mounting Holes

Five Axis Positioner

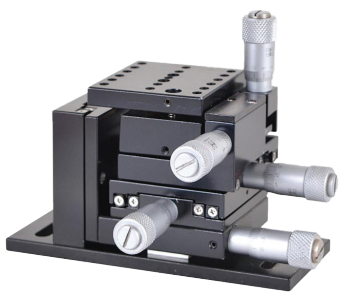
The stage has three linear movements and two tilt adjustments. All the five axes have adjustment micrometers for precise positioning. Linear stages have rolling contact guides using balls as rolling elements



Specifications

76 mm height
X Travel 5 mm
Y Travel 5 mm
Z Travel 5 mm
Aluminium Alloy
Black anodized finish
ø1 Tilting Range ± 2°
ø2 Tilting Range ± 2°

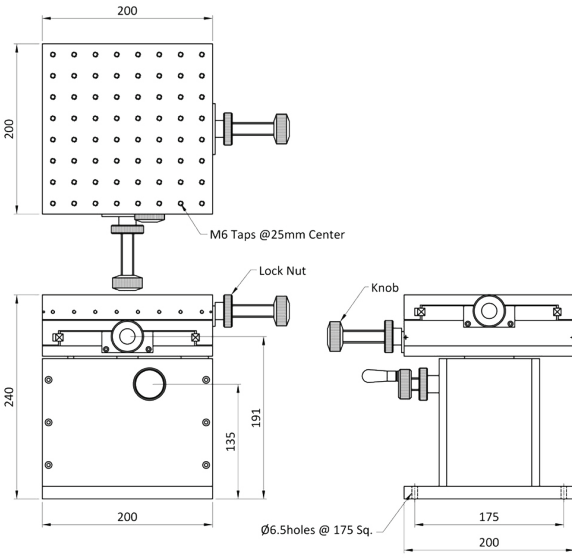
Model No.	Drive	Travel	Travel
CTS-5AR-Mμ05	Micrometer 5μ	Right	5 mm
CTS-5AL-Mμ05	Micrometer 5μ	Left	5 mm



Tilting Range ± 2°

3 linear movements & 2 tilt adjustments

XYZ Heavy Duty Translation Stages



These translation stages are designed for positioning heavy loads in X, Y and Z directions precisely without play and wobble. Pre-loaded roller bearing guides are used for all the three axes for friction free and play less movement. Even with heavy loads, movement is smooth and effortless. Worm gear drive is used in Z axis where as lead screw drive is used for X and Y axes. Top surface of the stage is provided with M6 tapped holes at 25 mm grid. Linear scale with vernier is provided for repeatable positioning with measurements. The stage is constructed in aluminium alloy and given black anodized finish. These stages can be made available in various sizes, travel ranges, heights and load capacity.

If the travel requirement is below 50 mm, X and Y axes can be driven by micrometers with 0.01 mm resolution. In this case, more precise positioning is possible compared to lead screw drive and vernier reading. Another feature of this stage is locking facility after positioning. Lock is normally provided by the side of the stage with appropriately sized hand knobs. Lock prevents accidental movements of the stage from its fixed position. Holmarc manufactures custom stages as well in this configuration.



Load capacity of 50 Kg

Locking facility after positioning

Specifications

Travel	100 mm XY & 75 mm for Z axis
Load capacity	50 kg
Drive	Lead screw
Straight line accuracy	10 microns
Read out	0.1 mm (Vernier scale)
Guide way	Precision ball bearing guide way
Construction Material	Aluminum alloy B51S
Finish	Black anodized (Aluminium)
Mounting	M6 tapped holes on carriage
	M6 CLR slot for mounting the stage to breadboard

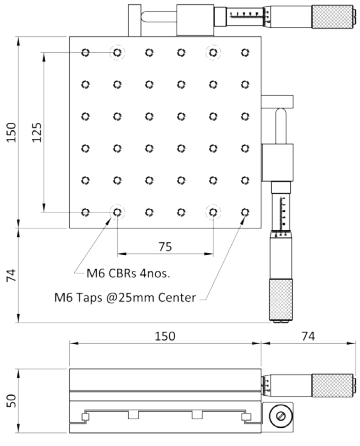
Model No.	Travel	Size (L X B X H)	Space occupied (foot print)	Load Capacity	Weight
XYZTS-150150-3	X-50, Y-50, Z-50	210 x 150 x 150 mm	150 x 150 mm	25 kg	
XYZTS-200200-3	X-100, Y-100, Z-75	200 x 200 x 240 mm	200 x 200 mm	50 kg	10 kg approx.
XYZTS-250200-3	X-100, Y-100, Z-75	250 x 200 x 240 mm	250 x 200 mm	50 kg	14 kg approx

XY Moving Platform



XYTSM Series

These are factory assembled XY stages for general purpose positioning applications. The stages employ rolling contact linear guide ways using crossed rollers. Friction, stick-slip and play are absent for all practical designs. They are available with lead screw drives as well as micrometer drives. Carriage (moving top) remains spring loaded by a tension spring against the micrometer spindle. This feature eliminates back-lash. In standard models, construction material is aluminium alloy. We manufacture these products in mild steel and stainless steel as well.



Specifications

- Micrometer drive
- Upto 30 kg load capacity
- M6 mounting holes
- Base mountable

0.010 mm accuracy

X - Y orientations available



Model No.	Drive	Size	Resolution	Travel	Load Capacity
XYTSM-25-Mu-10	Micrometer	120x120	0.01 mm	25 mm	25 kg
XYTSM-50-Mu-10	Micrometer	150x150	0.01 mm	50 mm	30 kg
XYTSM25-DMu	Digital Micrometer	120x120	0.01 mm	25 mm	25 kg
XYTSM50-DMu	Digital Micrometer	150x150	0.01 mm	50 mm	30 kg

Motion Control Systems

Since 1993, we at HOLMARC have been manufacturing hundreds of motion control and positioning systems for our customers. We are supplying motion control products to industry and research institutions around the world.

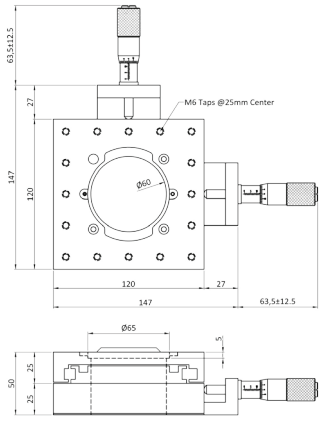
Our precision motion control products provide critical performance required for today's demanding applications in markets such as life science, photonics, laser processing, nano technology and others.

Our product line in motion control includes automated high-speed gantries, linear stages, rotary stages, tilt stages, single and multi-axis motion controllers, goniometers, gimbal mounts, etc. This wide range of products makes us unique among motion control manufacturers.





XYTSWM Series XY Moving Platform



These stages have through holes at the center with a step on the top of the stage for placing a transparent glass disc if required. Optical instruments like profile projectors, microscopes, etc. require illumination from underneath the sample. Stages under this series are suitable for such applications. The center hole can also act as an access hole for fixing components like gauges, sensors etc. to the fixed base.
All other features remain the same as that of our standard stages. Precision crossed roller based rolling contact guides are used for achieving perfect linear motion. Co-efficient of friction is maintained below 0.002. Play and wobble are eliminated for all practical purpose. The stage is constructed out of aluminium alloy and finished by black anodizing.

Specifications

Micrometer drive		
Straight line accuracy	:	0.010 mm
M6 mounting holes		
Base mountable		



Aperture platform

Aluminium alloy Finish

Applications

Tool makers microscope	Profile projector
Compound microscope	Pathology microscope

Model No.	Drive	Size	Resolution	Travel	Load Capacity
XYTSWM-25-Mu-10	Micrometer	120x120	0.01 mm	25 mm	25 kg
XYTSWM-50-Mu-10	Micrometer	150x150	0.01 mm	50 mm	30 kg
XYTSWM25-DMu	Digital Micrometer	120x120	0.01 mm	25 mm	25 kg
XYTSWM-50-DMu	Digital Micrometer	150x150	0.01 mm	50 mm	30 kg

Holmarc manufactures these stages with custom specifications. In many cases, we manufacture stages with rectangular or square access holes at the center instead of circular holes. Various drive options as well as sizes are also available. Contact us at sales@holmarc.com

Glass Plate for XYTSWM series

Glass plates are available for XYTSWM series XY translation stages

Model No.	Compatible Model No.
GXYTSWM25	XYTSWM25
GXYTSWM50	XYTSWM50



Heavy Duty XY Moving Platform

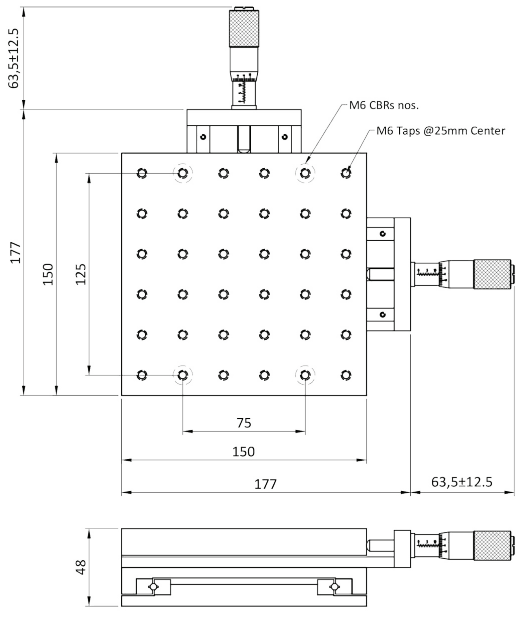
- **Positioning microscopes with precision**
- **Supporting and moving heavy loads**
- **Rigid mounting to platforms with M6 screws**



XYTSWM Series XY Heavy Duty Moving Platform

These are heavy duty XY stages capable of supporting comparative heavy loads. These stages find applications in positioning heavy loads. For example, a microscope can be placed on the stage and positioned precisely. Standard stages have slots for M6 screws on the base for fixing rigidly to any platform. The drive can be either by lead screw or micrometer. Crossed roller based linear guides are used for achieving precision linear motion. The guide ways are factory preloaded to eliminate play and wobble. Coefficient of friction is less than 0.003. Standard stages are constructed in aluminium alloy and finished by black anodizing.

Alluminum alloy or SS made
High load capacity upto 50 Kg





Travel	25 and 50 mm
Drive	Micrometer
Drive Options	Center drive or side drive
Micrometer screw pitch	0.5 mm
Least Count	10 micrometer
Load Capacity	25 to 50 kg in vertical
Straightness	4 microns
Mounting holes	M6 Tapped holes
Material	Aluminium or Stainless steel
Guide way	Hardened V grooved guide ways (magnetic)

Aluminium Alloy - Micrometer Drive

Model No.	Travel	Carriage Size	Height	Load Capacity (Vertical) Kg	Straightness
XYTSWM-150-S	25 mm	150 mm x 150 mm	48 mm	25 kg	4 microns
XYTSWM-150-C	25 mm	150 mm x 150 mm	48 mm	25 kg	3 microns
XYTSWM-200-S	25 mm	200 mm x 200 mm	56 mm	35 kg	4 microns
XYTSWM-200-C	25 mm	200 mm x 200 mm	56 mm	35 kg	3 microns
XYTSWM-250-S	50 mm	250 mm x 250 mm	60 mm	50 kg	5 microns
XYTSWM-250-C	50 mm	250 mm x 250 mm	60 mm	50 kg	4 microns

S = Side Drive C = Center Drive

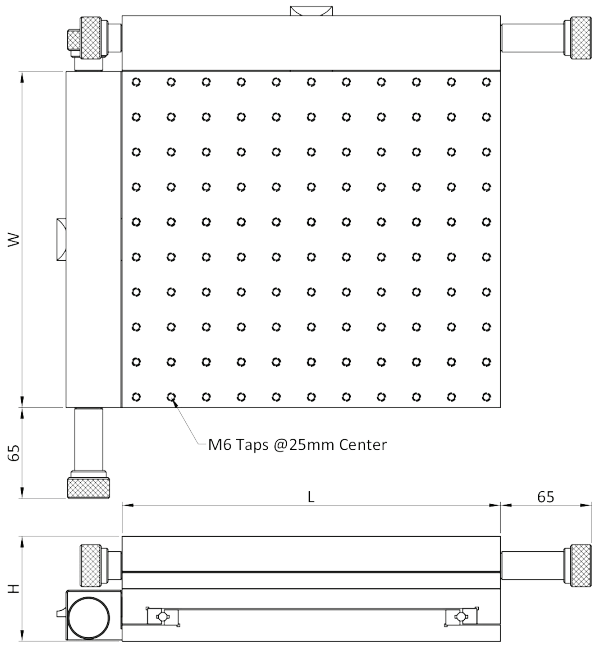
Stainless Steel 304 - Micrometer Drive

Model No.	Travel	Carriage Size	Height	Load Capacity (Vertical) Kg	Straightness
SS XYTSWM-150-S	25 mm	150 mm x 150 mm	48 mm	35 kg	4 microns
SS XYTSWM-150-C	25 mm	150 mm x 150 mm	48 mm	35 kg	3 microns
SS XYTSWM-200-S	25 mm	200 mm x 200 mm	56 mm	45 kg	4 microns
SS XYTSWM-200-C	25 mm	200 mm x 200 mm	56 mm	45 kg	3 microns
SS XYTSWM-250-S	50 mm	250 mm x 250 mm	60 mm	65 kg	5 microns
SS XYTSWM-250-C	50 mm	250 mm x 250 mm	60 mm	65 kg	4 microns

S = Side Drive C = Center Drive

XYTS Series XY Moving Platform

These are heavy duty XY positioning stages driven by lead screw nut mechanism fixed by the side of the stage. The side drive design reduces overall footprint of the stage, especially, total length. There are side locks for both X and Y stages to keep the stage rigid after positioning. Top and bottom surfaces of the stage have M6 mounting holes at 50 mm grid. Crossed roller based linear guides are used for achieving precision linear motion. The guide ways are factory preloaded to eliminate play and wobble. Coefficient of friction is less than 0.003. Standard stages are constructed in aluminium alloy and finished by black anodizing. XYTS Series XY Moving Platform is an ideal precision stage with 0.01mm accuracy for Inspection and Measuring microscopes. It can be configured to provide high-performance positioning XY moving platforms. It is a compatible base for Induction hardening process and Hardness testing.





XY Adjustable with locking knob
Available in different carrier sizes & travel

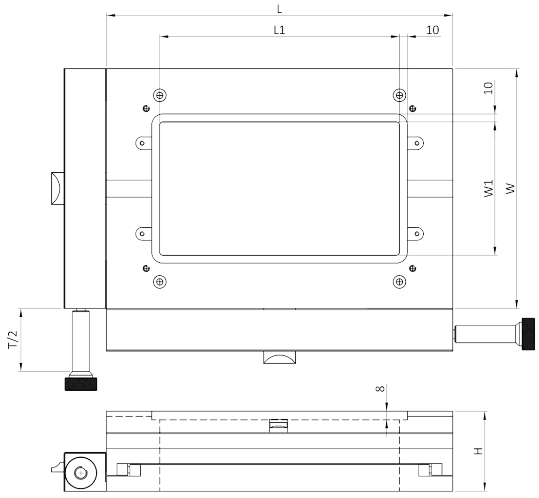
Specifications

Upto 25kg load capacity	
Straight line accuracy	0.010mm
Precision leadscrew	
M6 mounting holes	
Base mountable	

Model No.	Carriage Size	Travel (mm)	Height	L	W
XYTS150150	150 mm x 150 mm	50, 50	65 mm	150 mm	150 mm
XYTS170170	170 mm x 170 mm	100, 100	65 mm	170 mm	170 mm
XYTS270170	270 mm x 170 mm	200, 100	75 mm	270 mm	170 mm
XYTS270240	270 mm x 240 mm	200, 170	75 mm	270 mm	240 mm
XYTS370240	370 mm x 240 mm	300, 170	75 mm	370 mm	240 mm

XYTSW Series XY moving Stage





Finds applications in optical Instruments

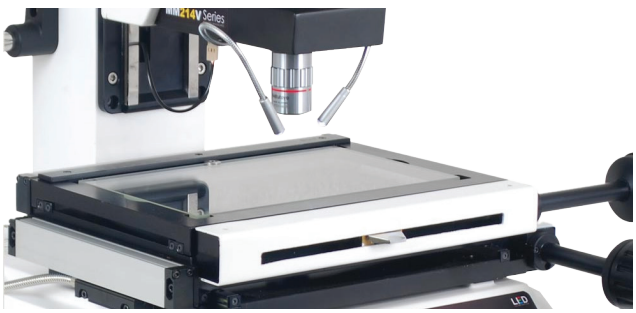
Available in different carrier & aperture sizes

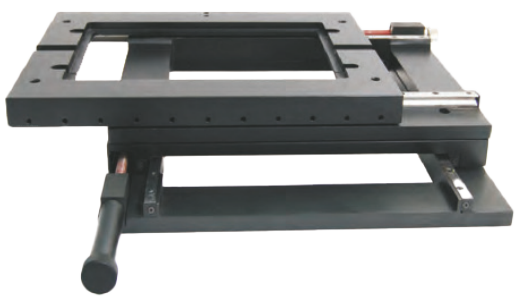
These stages have rectangular through holes at the center, primarily meant for back illumination. The top surface has stepped under cut on the periphery of the central hole for keeping a glass plate of suitable size. Lead screw-nut mechanism provides the linear drive, fixed by the side of the stage. These stages are best suited for Optical Measuring Instruments like profile projectors and custom microscopes.

Crossed roller based linear guides are used for achieving precision linear motion. The guide ways are factory preloaded to eliminate play and wobble. Coefficient of friction is less than 0.003. Standard stages are constructed in aluminium alloy and finished by black anodizing. XYTSW Series XY moving Stages are most suitable for Optical Measuring Instruments like profile

Projectors and Inspection microscopes. It also finds applications in volumetric analysis and can be used for two axis positioning of bottler for dispensing nozzle.

Model No.	Carriage Size	Aparture Size	Travel	H	L	W	L1	W1
XYTSW175175	175 x 175	75 x 75	50, 50	65	175	175	75	75
XYTSW225225	225 x 225	125 x 125	100, 100	65	225	225	125	125
XYTSW325225	325 x 225	225 x 125	200, 100	75	325	225	225	125
XYTSW325295	325 x 295	225 x 195	200, 170	75	325	295	195	175
XYTSW425295	425 x 295	325 x 195	300, 170	75	425	295	195	175
* All dimensions are in mm								





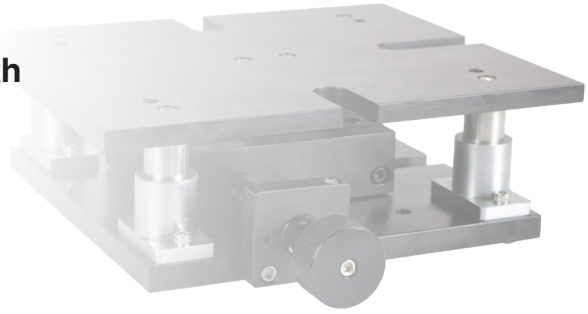
Custom stages : Platforms are available up to 500 x 500mm size, Materials other than aluminium are also available on request

Model No.	L	W
GI7575	95 x 95	XYTSW175175
GI125125	145 x 145	XYTSW225225
GI225125	245 x 145	XYTSW325225
GI225195	245 x 215	XYTSW325295
GI325195	345 x 215	XYTSW425295

XYTSW Series manual stages can be used with profile projector, microscope etc. For automated application please see the MXYTSW Series stages.
Linear encoder is available on special request for digital readout application. Contact us at sales@holmarc.com

Heavy Duty Stage

- **Positioning heavy loads in X, Y, Z**
- **Smooth, friction-free movement with roller guides**
- **Locking stage to prevent accidental movement**



Heavy Duty XZ Stage

MODEL : XZTS 300-300

Specifications

Minimum height	155 mm
Maximum height	165 mm
Z Travel	10 mm
X travel	10 mm
Load capacity	200 Kg
Top plate size	300 x 300 mm
Base size	410 x 355 mm
Finish	Black anodized (Aluminium)



10 mm Travel

Load capacity of 200 Kg

Heavy Duty XZ Stage

MODEL : XZTS 300-300

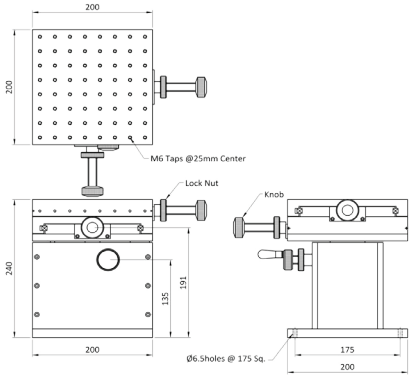
These translation stages are designed for positioning heavy loads in X, Y and Z directions precisely without play and wobble. Pre-loaded roller bearing guides are used for all the three axes for friction free and play less movement. Even with heavy loads, movement is smooth and effortless. Worm gear drive is used in Z axis where as lead screw drive is used for X and Y axes. Top surface of the stage is provided with M6 tapped holes at 25 mm grid. Linear scale with vernier is provided for repeatable positioning with measurements. The stage is constructed in aluminium alloy and given black anodized finish. These stages can be made available in various sizes, travel ranges, heights and load capacity.

If the travel requirement is below 50 mm, X and Y axes can be driven by micrometers with 0.01 mm resolution. In this case, more precise positioning is possible compared to lead screw drive and vernier reading. Another feature of this stage is locking facility after positioning. Lock is normally provided by the side of the stage with appropriately sized hand knobs. Lock prevents accidental movements of the stage from its fixed position. Holmarc manufactures custom stages as well in this configuration.



Specifications

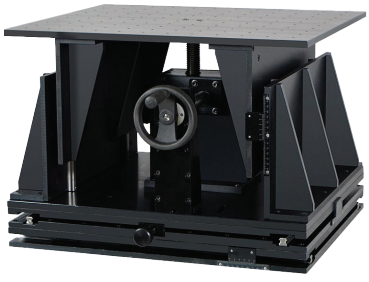
Travel	100 mm XY & 75 mm for Z axis
Load capacity	50 kg
Drive	Lead screw
Straight line accuracy	10 microns
Read out	0.1 mm (Vernier scale)
Guide way	Precision ball bearing guide way
Construction Material	Aluminum alloy B51S
Finish	Black anodized (Aluminium)
Mounting	M6 tapped holes on carriage
	M6 CLR slot for mounting the stage to breadboard



Model No.	Travel	Size (L X B X H)t	Space occupied (foot print	Load Capacity	Weight
XYZTS-150150-3	X-50, Y-50, Z-50	210 x 150 x 150 mm	150 x 150 mm	25 kg	
XYZTS-200200-3	X-100, Y-100, Z-75	200 x 200 x 240 mm	200 x 200 mm	50 kg	10 kg approx.
XYZTS-250200-3	X-100, Y-100, Z-75	250 x 200 x 240 mm	250 x 200 mm	50 kg	14 kg approx

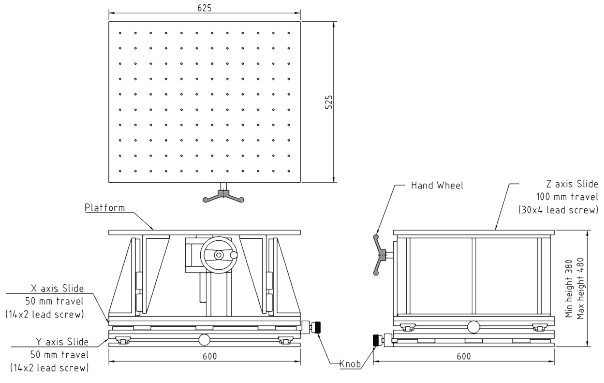
Heavy Duty TS

XYZTS Series



Leadscrew Drive

100 micron accuracy

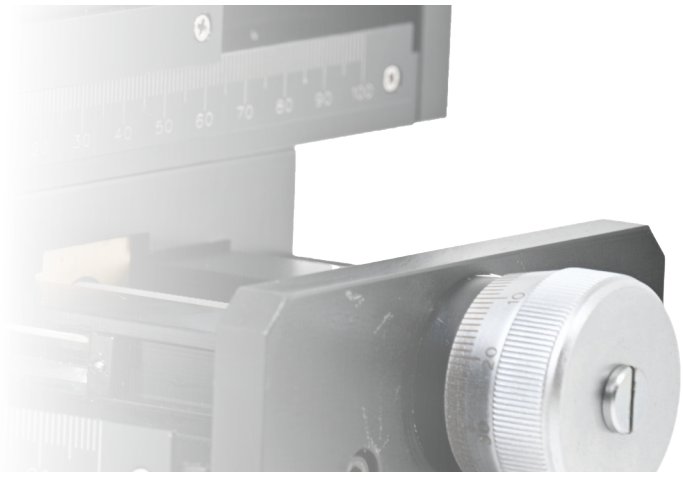


Specifications

	XYZTS 500-350	XYZTS 500-340	XYZTS 625-525
X Y Travel	50 mm	50 mm	50 mm
Z Travel	100 mm	50 mm	100 mm
Load capacity	150 kg	250 kg	200 kg
Drive	Leadscrew	Leadscrew	Leadscrew
Readout	0.1 mm (Vernier scale)	0.1 mm (Vernier scale)	0.1 mm (Vernier scale)
Positioning accuracy	100 micron	100 micron	100 micron
Carriage size	625 x 525 mm	625 x 525 mm	625 x 525 mm
Minimum height	380 mm	200 mm	380 mm
Maximum height	480 mm (maximum travel)	250 mm (maximum travel)	480 mm (maximum travel)

	XYZTS 700-340	XYZTS 700-340-A
X Y Travel	50 mm	50 mm
Z Travel	50 mm	100 mm
Load capacity	200 kg	250 kg
Drive	Leadscrew	Leadscrew
Readout	0.1 mm (Vernier scale)	0.1 mm (Vernier scale)
Positioning accuracy	100 micron	100 micron
Carriage size	700 x 340 mm	700 x 340 mm
Minimum height	200 mm	200 mm
Maximum height	250 mm (maximum travel)	250 mm (maximum travel)

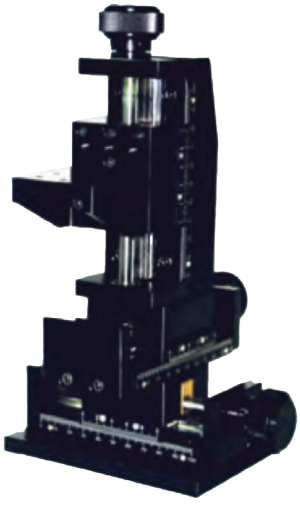
Long Travel Translation Stage

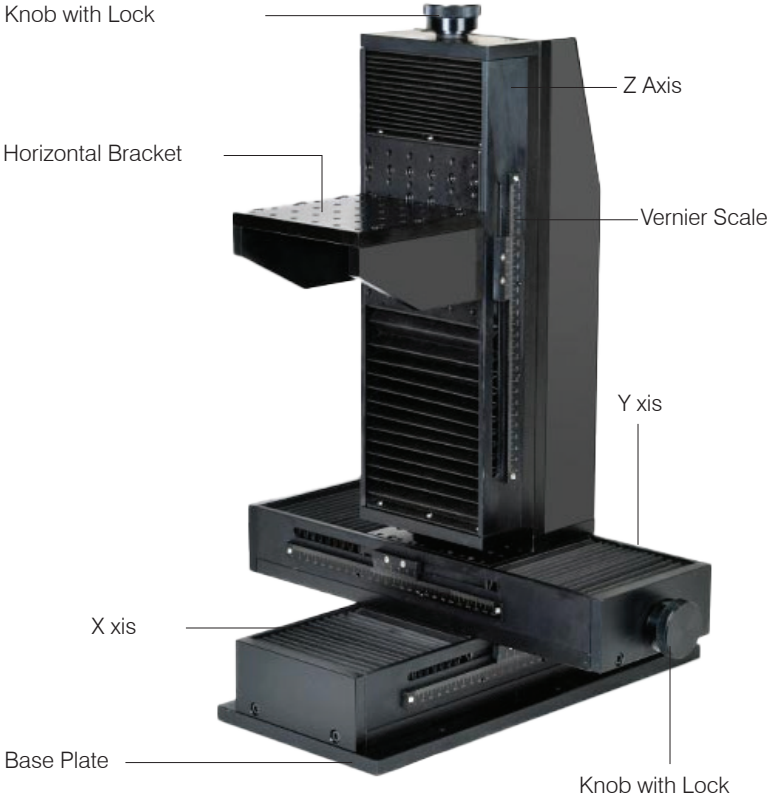


- **Precise positioning with long travel range**
- **Mounting heavy loads using tapped holes**

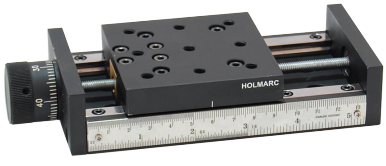
LTTS series manual translation stages provide maximum travel with minimum overall footprint. Re-circulating type ball bearing guide ways are used in all models. Drive is given by either ball screws or lead screws fixed by the side of the stage.

Travel can range from 50 mm to 500 mm. Tapped holes are provided on top and counter bored holes are provided on base for mounting purpose. For all the standard products, construction is in aluminium alloy. Circular graduations are there on driving knob. There are linear graduations by the side of the stage.



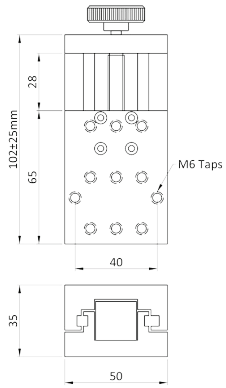


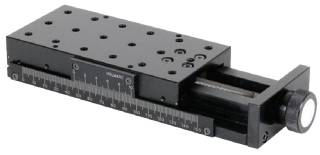




Translation Stage with Vernier readout

These stages are suitable for manual coarse positioning applications. A graduated scale with vernier readout is fixed to one side of the stage for repeated positioning. There are two choices for drive lead screws, 1 mm pitch & 9 mm pitch.





30 to 90 mm linear travel

0.1mm precision vernier read out

Specifications

Straight line accuracy	± 10 μm for total travel length
Vernier Readout	0.1 mm
Guide way	Precision ball slide
Drive	Precision lead screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M6 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Travel	30 to 90 mm
Carriage width	50 mm
Load Capacity	6 kg vertical
Leadscrew	1 mm pitch / 9 mm pitch

Accessories

Vertical Bracket	Horizontal Brackett	Base Plate
VAB-TSC5030		BP-TSC5030
VAB-TSC5050		BP-TSC5050
VAB-TSC5075	HAB-TSC-5050	BP-TSC5075
VAB-TSC5090	Size : 50 x 50 mm	BP-TSC5090
	With M6 tapped holes	



Base plates can be used for mounting translation stages to breadboards and tables conveniently.



Angle bracket can be used for assembling Z-axis stages. Horizontally fixed height platforms can be constructed by combining two angle brackets.

Drive Details

Pitch	1 mm	9 mm
Lead Screw Type	Ground	Rolled
Linear Resolution	1 mm / rotation	9 mm / rotation
Positioning Accuracy	0.1 mm	0.5 mm
Readout	0.1 mm precision vernier	0.1 mm precision vernier
Feature	Fine Movement	Course Movement



1 mm Pitch Lead Screw

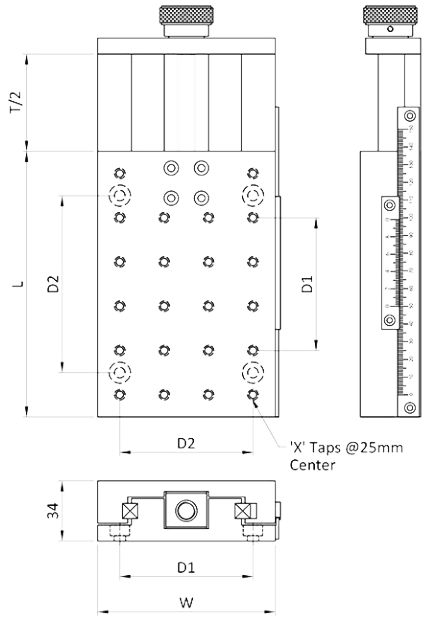
Model No:	Speed / Rotation	Positioning Accuracy	Travel range
TSC-1-5030	1 mm	0.02 mm	30 mm
TSC-1-5050	1 mm	0.02 mm	50 mm
TSC-1-5075	1 mm	0.02 mm	75 mm
TSC-1-5090	1 mm	0.02 mm	90 mm

9 mm Pitch Lead Screw

Model No:	Speed / Rotation	Positioning Accuracy	Travel range
TSC-9-5030	9 mm	0.5 mm	30 mm
TSC-9-5050	9 mm	0.5 mm	50 mm
TSC-9-5075	9 mm	0.5 mm	75 mm
TSC-9-5090	9 mm	0.5 mm	90 mm

MLS Series Translation Stages

MLS series stages are available in various sizes. The width ranges from 65 mm to 200 mm. The stage can be locked anywhere after positioning by making use of a locking nut which is provided along with the drive knob.



Specifications

Straight line accuracy	± 10 μm for total travel length
Vernier Readout	0.1 mm
Guide way	Precision ball slide
Drive	Precision lead screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M6 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis
Travel	25 to 150 mm
Carriage width	65 mm to 200 mm
Load Capacity	5 - 35 kg vertical
Leadscrew	1 mm pitch
Lock	Can be locked at desired position



Locking nut facility
Fine & Precise Movement

Drive Details

Drive Details	1 mm Pitch lead screw
Pitch	1 mm
Lead Screw Type	Ground
Linear Resolution	1 mm / rotation
Positioning Accuracy	10 μm
Repeatability	100 μm
Readout	0.1 mm precision vernier
Feature	Fine Movement



Angle Bracket :



Angle bracket can be used for assembling Z-axis stages. Horizontally fixed height platforms can be constructed by combining two angle brackets.

Base plates :

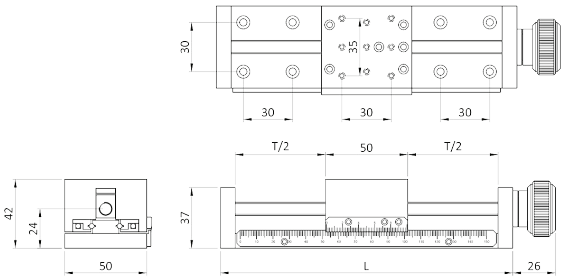


Base plates can be used for mounting translation stages to breadboards and tables conveniently.

1 mm Pitch Lead Screw Model No:	Load Capacity Vertical (X Axis) Kg	Travel T	Dimensions W	L	T / 2	X
MLS-6565-1	6	25	65	65	12.5	M4
MLS-7575-1	8	35	75	75	17.5	M4
MLS-75100-1	15	50	75	100	25	M4
MLS-75150-1	25	100	75	150	50	M4
MLS-75200-1	28	150	75	200	75	M4
MLS-100100-1	20	50	100	100	25	M6
MLS-100150-1	25	100	100	150	50	M6
MLS-100200-1	28	150	100	200	75	M6
MLS-150150-1	25	100	150	150	50	M6
MLS-150200-1	35	150	150	200	75	M6
MLS-200200-1	35	150	200	200	75	M6

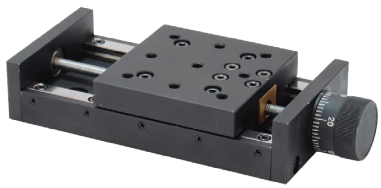
LTTS 50 Series

These stages used re-circulating type rolling contact guide ways. Drive knobs have rotary graduations in addition to the linear scale fixed to the side of the stage. Engraved vernier scales are provided for selected LTTS series translation stages



Specifications

Straight line accuracy	± 20 μm over 150mm travel
Vernier Readout	0.1 mm
Guide way	Precision re-circulating Guide way
Drive	Precision lead screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M4 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis Configuration
Travel	50 to 150 mm
Carriage Size	50 mm x 50 mm
Load Capacity	2kg vertical on X Axis
Leadscrew	1 mm pitch / 9 mm pitch

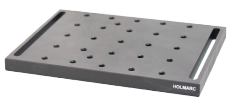


50 to 150 mm Travel

Carriage Size : 50 mm x 50 mm

Accessories

Vertical Bracket	Horizonta Bracket	Angle Bracket	Base Plate
VAB-LTTS50-50		It is used to transform horizontal translators to vertical ones. Horizontally fixed height platforms can be constructed by combining two angle brackets.	BP-LTTS50-50
VAB-LTTS50-75			BP-LTTS50-75
VAB-LTTS50-100			BP-LTTS50-100
VAB-LTTS50-150			BP-LTTS50-150
	HAB-LTTS-50 Size : 50 x 50 mm		



Drive Details

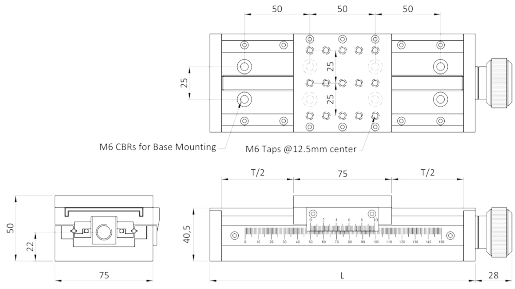
	1mm Pitch Lead screw with spring loaded nut mechanism	9mm Pitch Lead screw and resin nut
Pitch	1 mm	9 mm
Lead Screw Type	Ground	Rolled
Linear Resolution	1 mm / rotation	9 mm / rotation
Positioning Accuracy	0.1 mm	0.5 mm
Readout	0.1 mm precision vernier	0.1 mm precision vernier
Feature	Fine Movement	Course Movement



1 mm Pitch Lead Screw				
Model No:	Load Capacity Vertical (X Axis)	Load Capacity Vertical (Z Axis)	Travel (T)	Length (L)
LTTS50-50	2 Kg	1 Kg	50 mm	155 mm
LTTS50-75	2 Kg	1 Kg	75 mm	180 mm
LTTS50-100	2 Kg	1 Kg	100 mm	205 mm
LTTS50-150	2 Kg	1 Kg	150 mm	280 mm
9 mm Pitch Lead Screw				
LTTS50-50Z	2 Kg	1 Kg	50 mm	155 mm
LTTS50-75Z	2 Kg	1 Kg	75 mm	180 mm
LTTS50-100Z	2 Kg	1 Kg	100 mm	205 mm
LTTS50-150Z	2 Kg	1 Kg	150 mm	280 mm

LTTS 75 Series

These stages are similar to LTTS-50, except that width is 75mm instead of 50mm. A linear scale is fixed to the side for positioning references. For precise measurements, vernier scale is also available as an optional feature.



Specifications

Straight line accuracy	± 20 μm over 200mm travel
Vernier Readout	0.1 mm
Guide way	Precision re-circulating Guide way
Drive	Precision lead screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M4 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis Configuration
Travel	50 to 250 mm
Carriage Size	75 mm x 75 mm
Load Capacity	5kg vertical on X Axis
Leadscrew	1 mm pitch / 9 mm pitch

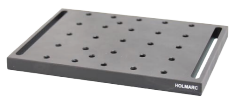


50 to 250 mm Travel

Carriage Size : 75 mm x 75 mm

Accessories

Vertical Bracket	Horizonta Bracket	Angle Bracket	Base Plate
VAB-LTTS75-50		It is used to transform horizontal translators to vertical ones. Horizontally fixed height platforms can be constructed by combining two angle brackets.	BP-LTTS75-50
VAB-LTTS75-75			BP-LTTS75-75
VAB-LTTS75-100			BP-LTTS75-100
VAB-LTTS75-150			BP-LTTS75-150
VAB-LTTS75-200			BP-LTTS75-200
VAB-LTTS75-250	HAB-LTTS-50		BP-LTTS75-250
	Size : 50 x 50 mm		



Drive Details

	1mm Pitch Lead screw with spring loaded nut mechanism	9mm Pitch Lead screw and resin nut
Pitch	1 mm	9 mm
Lead Screw Type	Ground	Rolled
Linear Resolution	1 mm / rotation	9 mm / rotation
Positioning Accuracy	0.1 mm	0.5 mm
Readout	0.1 mm precision vernier	0.1 mm precision vernier
Feature	Fine Movement	Course Movement

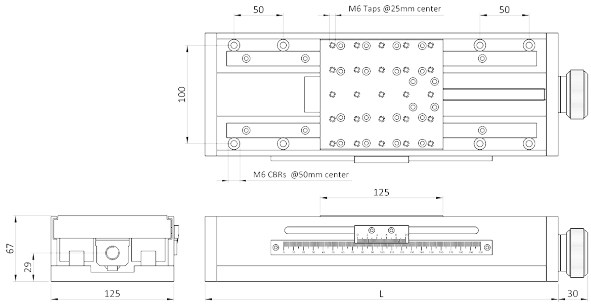


1 mm Pitch Lead Screw

Model No:	Load Capacity Vertical (X Axis)	Load Capacity Vertical (Z Axis)	Travel (T)	Length (L)
LTTS75-50	5 Kg	1 Kg	50 mm	155 mm
LTTS75-75	5 Kg	1 Kg	75 mm	205 mm
LTTS75-100	5 Kg	1 Kg	100 mm	280 mm
LTTS75-150	5 Kg	1 Kg	150 mm	280 mm
LTTS75-250	5 Kg	1 Kg	250 mm	280 mm
9 mm Pitch Lead Screw				
LTTS75-50Z	5 Kg	1 Kg	50 mm	155 mm
LTTS75-75Z	5 Kg	1 Kg	75 mm	205 mm
LTTS75-100Z	5 Kg	1 Kg	100 mm	280 mm
LTTS75-150Z	5 Kg	1 Kg	150 mm	280 mm
LTTS75-250Z	5 Kg	1 Kg	250 mm	280 mm

LTTS 125 Series

These stages feature carriages having 125mm width. Recirculating type ball bearing guide ways makes the linear motion play-less and friction free. Standard stages feature linear scale for position reference. Vernier with 0.1mm resolution is also available as an optional feature.



Specifications

Straight line accuracy	± 20 μm over 300mm travel
Vernier Readout	0.1 mm
Guide way	Precision re-circulating Guide way
Drive	Precision ball screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M6 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis Configuration
Travel	100 to 500 mm
Carriage Size	125 mm x 125 mm
Load Capacity	45 - 50 kg vertical on X axis
Ball Screw	4 mm pitch

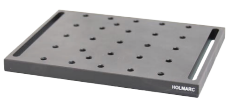


100 to 500 mm Travel

Carriage Size : 125 mm x 125 mm

Accessories

Vertical Bracket	Horizonta Bracket	Angle Bracket	Base Plate
VAB-LTTS125-100		It is used to transform horizontal translators to vertical ones. Horizontally fixed height platforms can be constructed by combining two angle brackets.	BP-LTTS125-100
VAB-LTTS125-150			BP-LTTS125-150
VAB-LTTS125-200			BP-LTTS125-200
VAB-LTTS125-350			BP-LTTS125-350
VAB-LTTS125-500			BP-LTTS125-500
	HAB-LTTS-125 Size : 125 x 125 mm		



Drive Details

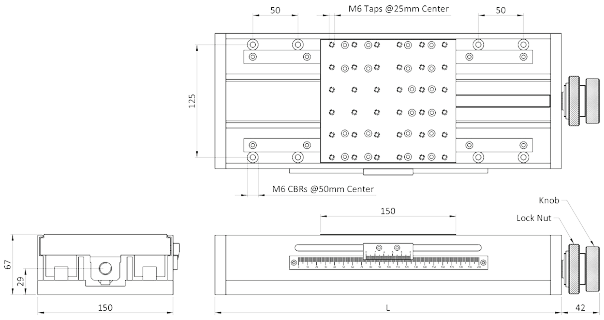
	4mm Pitch ball screw with lock
Pitch	4 mm
Lead Screw Type	Rolled
Linear Resolution	4 mm / rotation
Positioning Accuracy	0.1 mm
Readout	0.1 mm precision vernier
Feature	Precision movement



Model No:	Load Capacity Vertical (X Axis)	Load Capacity Vertical (Z Axis)	Travel (T)	Length (L)
LTTS125-100	50 Kg	10 Kg	100 mm	340 mm
LTTS125-150	50 Kg	10 Kg	200 mm	390 mm
LTTS125-200	50 Kg	10 Kg	200 mm	440 mm
LTTS125-300	45 Kg	10 Kg	300 mm	540 mm
LTTS125-500	45 Kg	10 Kg	500 mm	740 mm

LTTS 150 Series

These stages have 150mm width carriages for mounting heavy loads. Re-circulating type ball bearing guide-ways ensure stability under heavy loads.

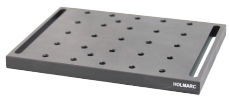


Specifications

Straight line accuracy	± 20 μm over 300mm travel
Vernier Readout	0.1 mm
Guide way	Precision re-circulating Guide way
Drive	Precision ball screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M6 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis Configuration
Travel	100 to 750 mm
Carriage Size	150 mm x 150 mm
Load Capacity	45 - 75 kg vertical on X axis
Ball Screw	4 mm pitch

Accessories

Vertical Bracket	Horizonta Bracket	Angle Bracket	Base Plate
VAB-LTTS150-100		It is used to transform horizontal translators to vertical ones. Horizontally fixed height platforms can be constructed by combining two angle brackets.	BP-LTTS150-100
VAB-LTTS150-150			BP-LTTS150-150
VAB-LTTS150-200			BP-LTTS150-200
VAB-LTTS150-300			BP-LTTS150-300
VAB-LTTS150-500			BP-LTTS150-500
VAB-LTTS150-750	HAB-LTTS-150		BP-LTTS150-750
	Size : 150 x 150 mm		



Drive Details

4mm Pitch ball screw with lock	
Pitch	4 mm
Lead Screw Type	Rolled
Linear Resolution	4 mm / rotation
Positioning Accuracy	0.1 mm
Readout	0.1 mm precision vernier
Feature	Precision movement



Model No:	Load Capacity Vertical (X Axis)	Load Capacity Vertical (Z Axis)	Travel (T)	Length (L)
LTTS150-100	75 Kg	50 Kg	100 mm	335 mm
LTTS150-150	75 Kg	50 Kg	150 mm	385 mm
LTTS150-200	75 Kg	50 Kg	200 mm	435 mm
LTTS150-300	75 Kg	50 Kg	300 mm	535 mm
LTTS150-500	75 Kg	50 Kg	500 mm	735 mm
LTTS150-750	75 Kg	50 Kg	750 mm	985 mm
LTTS150-800	75 Kg	50 Kg	750 mm	

Load Capacity

45 - 75 kg vertical on X axis

Ball Screw

4mm Pitch

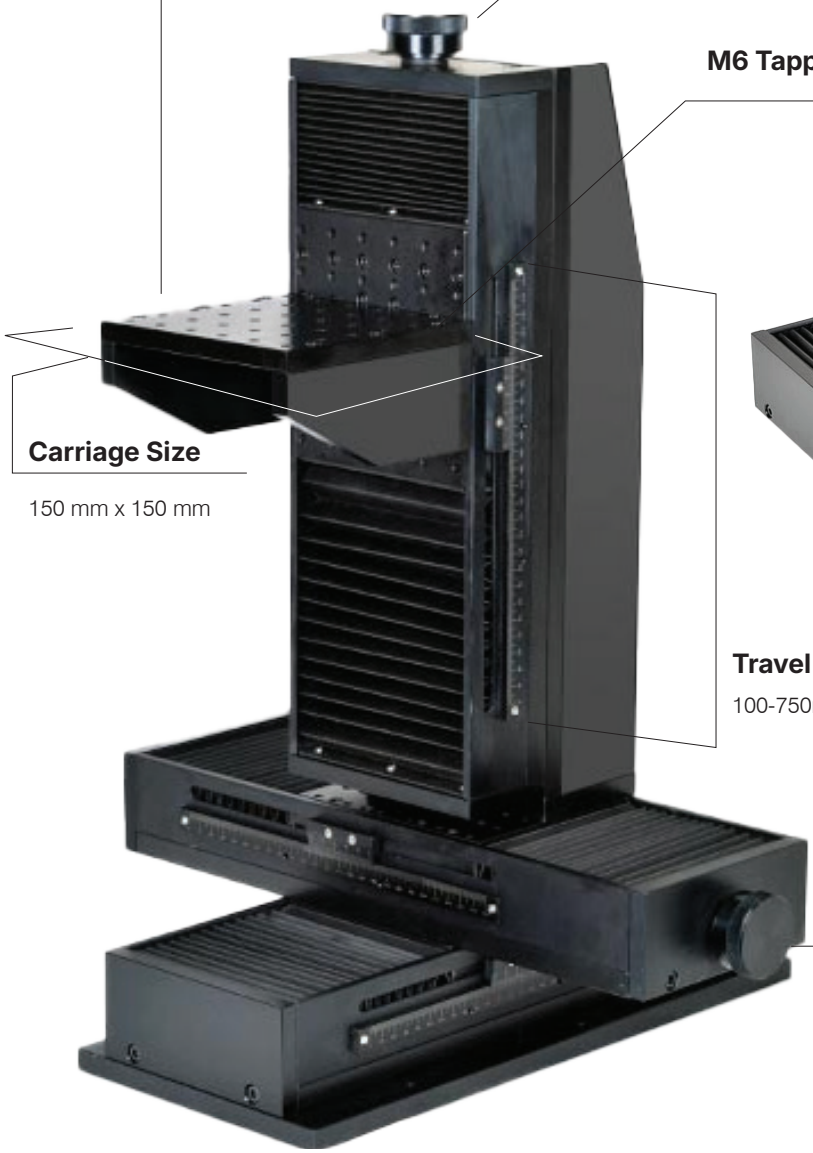
M6 Tapped Holes

Multi Axis



Carriage Size

150 mm x 150 mm

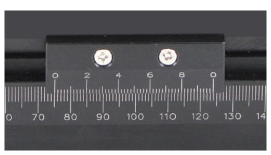


Travel

100-750mm

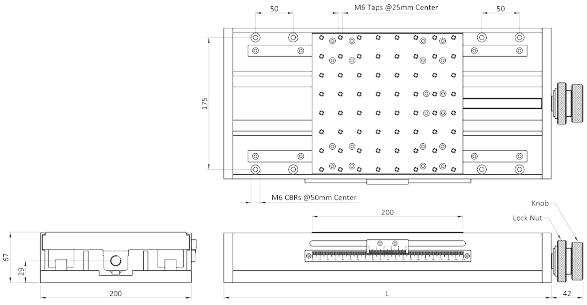
Drive

Precision ball screw
Straight line accuracy ± 20 μm over 300mm travel with 0.1 mm Vernier Readout



LTTS 200 Series

These stages can be loaded upto 90 kg vertically. Recirculating type ball bearing guide ways are used to ensure stability under load conditions.

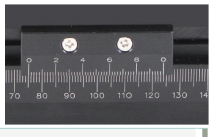


Specifications

Straight line accuracy	± 20 μm over 300mm travel
Vernier Readout	0.1 mm
Guide way	Precision re-circulating Guide way
Drive	Precision ball screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M6 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis Configuration
Travel	100 to 750 mm
Carriage Size	200 mm x 200 mm
Load Capacity	45 - 90 kg vertical on X axis
Ball Screw	4 mm pitch

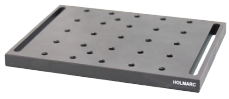


100 to 750 mm Travel
Carriage Size : 200 mm x 200 mm



Accessories

Vertical Bracket	Horizonta Bracket	Base plates	Base Plate
VAB-LTTS200-100		Base plates can be used for mounting translation stages to breadboards and tables conveniently.	BP-LTTS150-100
VAB-LTTS200-150			BP-LTTS150-150
VAB-LTTS200-200			BP-LTTS150-200
VAB-LTTS200-300			BP-LTTS150-300
VAB-LTTS200-500			BP-LTTS150-500
VAB-LTTS200-750	HAB-LTTS-150		BP-LTTS150-750
	Size : 150 x 150 mm		



Drive Details

	4mm Pitch ball screw with lock	10mm Pitch ball screw with lock
Pitch	4 mm	10 mm
Lead Screw Type	Rolled	Rolled
Linear Resolution	4 mm / rotation	10 mm / rotation
Positioning Accuracy	0.1 mm	0.5 mm
Readout	0.1 mm precision vernier	0.1 mm precision vernier
Feature	Precision movement	Precision movement



4 mm Pitch ball Screw				
Model No:	Load Capacity Vertical (X Axis)	Load Capacity Vertical (Z Axis)	Travel (T)	Length (L)
LTTS200-100	90 Kg	50 Kg	100 mm	335 mm
LTTS200-150	90 Kg	50 Kg	150 mm	385 mm
LTTS200-200	90 Kg	50 Kg	200 mm	435 mm
LTTS200-300	90 Kg	50 Kg	300 mm	535 mm
LTTS200-500	85 Kg	50 Kg	500 mm	735 mm
LTTS200-750	70 Kg	50 Kg	750 mm	985 mm
10 mm Pitch ball Screw				
LTTS200-100-10P	90 Kg	50 Kg	100 mm	335 mm
LTTS200-150-10P	90 Kg	50 Kg	150 mm	385 mm
LTTS200-200-10P	90 Kg	50 Kg	200 mm	435 mm
LTTS200-300-10P	90 Kg	50 Kg	300 mm	535 mm
LTTS200-500-10P	85 Kg	50 Kg	500 mm	735 mm
LTTS200-750-10P	70 Kg	50 Kg	750 mm	985 mm

LTTS 250 Series

These are designed for carrying heavy loads. Size of the mounting platform is made 250 x 250 mm to accommodate loads upto a size of 300 x 30 mm (length x width). Re - circulating type ball bearing guide ways are used to ensure play less and friction free movement with heavy loads.

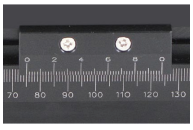
Specifications

Straight line accuracy	± 20 μm over 300mm travel
Vernier Readout	0.1 mm
Guide way	Precision re-circulating Guide way
Drive	Precision ball screw
Construction	Aluminium alloy B51S
Finish	Black anodized
Tapped Holes on Carrriage	M6 tapped holes
Mounting Holes on the base	M6 Tap and M4 CBR
Design	Modular type
Configuration	Multi Axis Configuration
Travel	100 to 1000 mm
Carriage Size	250 mm x 250 mm
Load Capacity	75 - 120 kg vertical on X axis
Ball Screw	4 mm / 10mm pitch



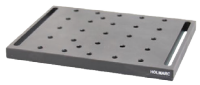
100 to 1000 mm Travel

Carriage Size : 250 mm x 250 mm



Accessories

Vertical Bracket	Horizonta Bracket	Base plates	Base Plate
VAB-LTTS250-100		Base plates can be used for mounting translation stages to breadboards and tables conveniently.	BP-LTTS250-100
VAB-LTTS250-150			BP-LTTS250-150
VAB-LTTS250-200			BP-LTTS250-200
VAB-LTTS250-300			BP-LTTS250-300
VAB-LTTS250-500			BP-LTTS250-500
VAB-LTTS250-750	HAB-LTTS-250		BP-LTTS250-750
VAB-LTTS250-1000	Size :250 x 250 mm		BP-LTTS250-1000



Drive Details

	4mm Pitch ball screw with lock	10 mm Pitch ball screw with lock
Pitch	4 mm	10 mm
Lead Screw Type	Rolled	Rolled
Linear Resolution	4 mm / rotation	10 mm / rotation
Positioning Accuracy	0.1 mm	0.5 mm
Readout	0.1 mm precision vernier	0.1 mm precision vernie
Feature	Precision movement	Precision movement



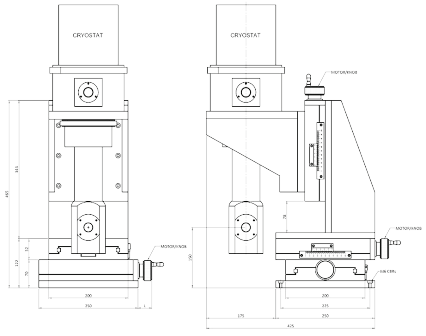
Model No:	Load Capacity Vertical (X Axis)	Load Capacity Vertical (Z Axis)	Travel (T)	Length (L)
4 mm Pitch ball Screw				
LTTS250-100	120 Kg	65 Kg	100 mm	440 mm
LTTS250-150	120 Kg	65 Kg	150 mm	490 mm
LTTS250-200	120 Kg	65 Kg	200 mm	540 mm
LTTS250-300	120 Kg	65 Kg	300 mm	640 mm
LTTS250-500	105 Kg	65 Kg	500 mm	840 mm
LTTS250-750	100 Kg	65 Kg	750 mm	1090 mm
LTTS250-1000	100 Kg	65 Kg	1000 mm	1340 mm
10 mm Pitch ball Screw				
LTTS250-100-10P	120 Kg	65 Kg	100 mm	440 mm
LTTS250-150-10P	120 Kg	65 Kg	150 mm	490 mm
LTTS250-200-10P	120 Kg	65 Kg	200 mm	540 mm
LTTS250-300-10P	120 Kg	65 Kg	300 mm	640 mm
LTTS250-500-10P	105 Kg	65 Kg	500 mm	840 mm
LTTS250-750-10P	100 Kg	65 Kg	750 mm	1090 mm
LTTS250-1000-10P	100 Kg	65 Kg	1000 mm	1340 mm

Cryostat Positioner



- **Mounting cryostats with optical windows**
- **Precise XYZ positioning of heavy loads**
- **Effortless vertical movement using worm gear drive**

Model No : HO-CRYO-50



When cryostats with optical windows need to be mounted and positioned, Holmarc's cryostat positioners can be considered. These XYZ three axis positioners are made for smooth and precise movements with heavy loads. Rolling contact bearings are used for all the three axis for play less and wobble free movements and positioning with rigidity and stability. A bracket having mounting holes for cryostat can be fixed to the Z axis as shown in the figure. Z-axis is driven by worm gear assembly for effortless vertical positioning. These positioners are available in motorized and manual versions.

Specifications

X travel	50 mm
Y travel	50 mm
Z travel	50 mm
Positioning accuracy	0.01 mm



Cryostat Positioner

Model No : HO-CRYO-50H

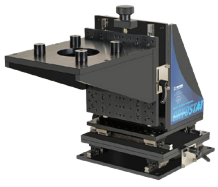


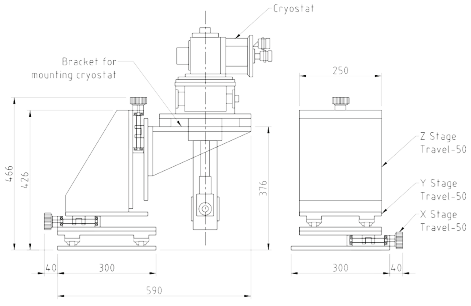
Specifications

X travel	50 mm
Y travel	50 mm
Z travel	50 mm
Positioning accuracy	0.01 mm

Cryostat Positioner

Model No : HO-CRYO-50HA





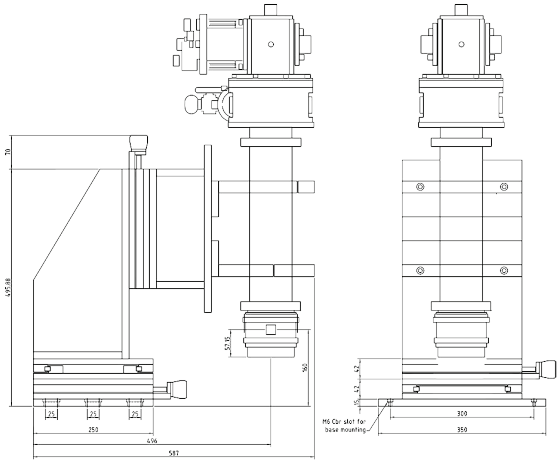
Specifications

X travel	50 mm
Y travel	50 mm
Z travel	50 mm
Positioning accuracy	0.01 mm

Cryostat Positioner

Model No : HO-CRYO-50S

When cryostats with optical windows need to be mounted and positioned, Holmarc's cryostat positioners can be considered. These XYZ three axis positioners are made for smooth and precise movements with heavy loads. Rolling contact bearings are used for all the three axis for play less and wobble free movements and positioning with rigidity and stability. A bracket having mounting holes for cryostat can be fixed to the Z axis as shown in the figure. Z-axis is driven by worm gear assembly for effortless vertical positioning. These positioners are available in motorized and manual versions.



Specifications

Travel	50 mm
Positioning accuracy	0.1 mm
Leadscrew pitch	2 mm
Load capacity	25 Kg
# Support stand with caster wheel is sold separately	

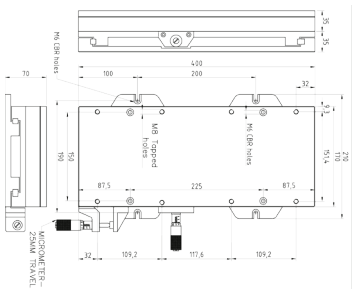


Microscope Translation Stage -
Please Refer Imaging Instruments Chapter

Microscope Translation Stage

- **Precise XY positioning of upright and inverted microscopes**
- **Mounting microscope slides, petri dishes, chambers, samples**
- **Smooth friction-free movement with ball bearing guides**
- **Computer-controlled motorized positioning via motion controller**

Microscope Translation Stage



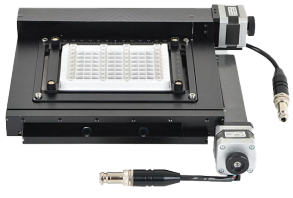
Manual Microscope Translation Stage

This microscope translation stage precisely move upright and inverted microscopes with 25 mm travel in X and Y direction. The translation stage accepts all types of instruments thanks to its large load carrying capacity. The microscope stage can be used with almost any Zeiss, Leica, Nikon or Olympus inverted or upright microscopes in addition to Holmarc's.



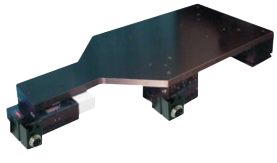
- 25mm travel range
- Micrometer drive
- 30 Kg load capacity
- Precise smooth movement
- 0.01 mm readout
- M6 mounting holes

Model No	Item	Travel Range
HO-LS-MIC-XY-25	Manual Microscope translation Stage	25 mm



Motorized Microscope Translation Stage

With complete hand free remote control, Holmarc's universal motorised stage allows translation of any upright or inverted microscopes. Motorized control allows programmed movements in X and Y directions using suitable control electronics. Microscope stage can be used with almost any Zeiss, Leica, Nikon or Olympus inverted or upright microscopes in addition to Holmarc's.



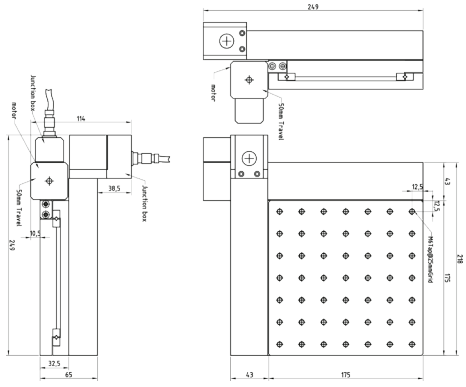
- Operates standalone or using a computer
- 25mm travel Leadscrew drive
- 30 Kg load capacity
- M6 mounting holes

Model No	Item	Travel Range
HO-LS-MIC-XY-25M	Motorized Microscope translation Stage	25 mm

Motorized Microscope Translation Stage



These stages are meant for positioning the entire microscope in an XY plane. Manual and motorized versions are available. It features an M6-tapped hole matrix.
Operates standalone or using a computer
25mm travel Leadscrew drive
30 Kg load capacity, M6 mounting holes



Model : HO-MMTS-XY50

- xy axis integrated design, compact structure
- High precision lead screw, better repeatability
- Stepper motor drive
- Hand wheel for manual drive
- Standard holes pitch for easy installation

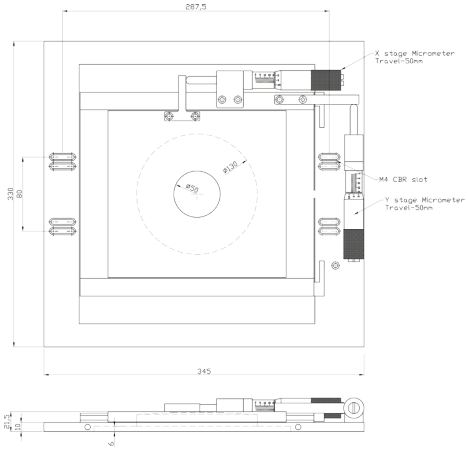
Travel Range	50 mm x 50 mm
XY Positioning Accuracy	± 3 microns
Step Size Resolution	0.625μm
Load Capacity	Up to 50 kg

Microscope XY Sample stages



Precision XY Manual Sample stage
Model : HO-XY-S25

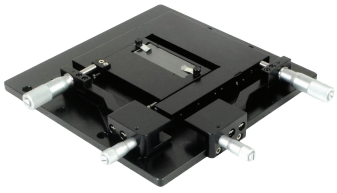
These stages are designed, specific models of microscope to make sure of the compatibility. There are micrometer and rack and pinion driven stages. Both the axes are fitted with ball bearing guides for smooth and friction free movements. There are manual as well as motorized models to fit various microscopes.



- X Axis Travel : 25 mm
- Y Axis Travel : 25 mm
- Drive : Micrometer drive
- Least Count : 0.01 mm
- Load Capacity : 2 Kg load
- M6 mounting holes
- Precise smooth movement
- Suitable for inverted microscope

High Resolution XY Manual Sample stage
Model : HO-XY-S25

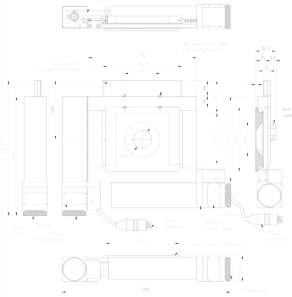
These stages are fitted with two micrometer drives for each axis, coarse and fine. Fine drive which is based on a spring loaded lever drive mechanism can achieve sub-micron resolution and sensitivity.

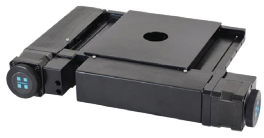


- Sample Size : 25 mm x 75 mm
- Travel Range : 10 mm Continuous
- Coarse travel resolution : 10 Micrometer
- Fine travel resolution : 0.1 Micrometer
- Suitable for inverted microscope

XY Motorised sample stage for small microscopes
MODEL HO-XY-MS50

This motorized XY translation stage is an integrated motorized stage with compact structure. It's usually used to automatically move the small object under the microscope. The aperture size is 50mm x 50mm, microscope slides can be mounted and clamped on it. Hand wheels are provided for manual positioning. This stage is connected with Holmarc's motion controller interface and it can be controlled by our computer software via RS232 interface on controller.





Model : HO-XY-MS50



Model : HO-XY-MS50SQ



Model : HO-XY-MS50SQ

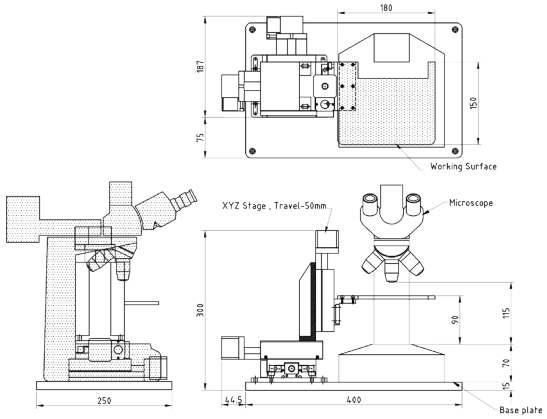
X Travel	50 mm
Y Travel	50 mm
Actuator	Stepper Motor
Resolution	0.625 micron
Positioning Accuracy	5 Micron
Controller	Holmarc M Torque
Interface	PC Based via RS 232
Construction	Aluminium
Finish	Black Anodized

Model No	Item
HO-XY-MS50	Circle
HO-XY-MS50-SQ	Square
# Dual axis controller (sold separately)	

Microscopy External Positioning Systems

External XYZ Tilt sample Holder with Rigid
Model : HO-MEPS-105P

Microscopy External Positioning System (MEPS) are designed to be used with standard microscopes for custom microscopic works. It support slide holders, petri dishes, chambers and other samples. MEPS can be easily inserted in to other microscope's optical path. The stage mounts to the bottom of the compact rigid stand and can be mounted directly on to a optical breadboard. These positioner can translate a sample load up to 5kg.

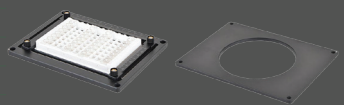


X Travel	10 mm
Y Travel	10 mm
Z Travel	
Resolution	5 Microns
Positioning Accuracy	+/-2 Degree

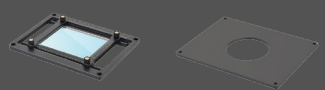
Adapter for Petridish / Petri dish Holder for XY Scanning Stage

MA-PD35	35 mm
MA-PD40	40 mm
MA-PD60	60 mm
MA-PD80	80 mm
MA-PD94	94 mm
MA-PD100	100 mm
MA-PD145	145 mm
MA-PD150	150 mm

Adapter for 96 well plate and various size glass slides for XY Scanning Stage



AD-SQ-96W

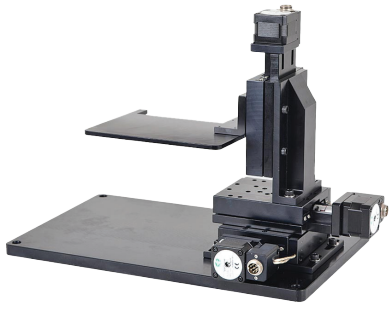


AD-SQ-96G



External Motorized XYZ sample holder with Rigid Stand
Model No : HO-MEPS-5020M

his Microscopy External Positioning System (MEPS) is based on stepper motor translation stages and are designed to be used with standard microscopes. It can support slide holders, petri dishes, chambers and other samples. MEPS can be easily inserted in to other microscope's optical path for custom microscopic works. It can translate a load up to 20kg.



X Travel	50 mm
Y Travel	50 mm
Z Travel	50 mm
Resolution	0.625 Microns
Positioning Accuracy	+/-2 Degree

Microscopy External Positioning Systems

Holmarc's motorized XY scanning stages are designed for the replacements of manual stages found on certain microscopes and provide programable XY positioning of microscopy samples. Trapezoidal lead screw and resign nuts are used for high resolution and positioning accuracy. We can design XY scanning stages for inverted and upright microscopes from Nikon and Olympus. Adapter brackets will be provided for the XY stage that enable the stage to be fitted to a particular microscope.

Tabletop mounting brackets are also available that enable the stage to be bolted to an optical table or breadboard as part of a custom built microscope setup or for use in typical photonics applications.

Specimen Holders and Accessories : We offer a range of adapters to allow the positioning of standard microscope slides, multiwell plates petri dishes, and mounted metallurgical specimens.



Motorized Microscope XY Scanning Stage for Nikon TI-U Series



Motorized Microscope XY Scanning Stage for Olympus IX71 Series

X & Y axis Travel (XY-MR-100)	100 mm
X & Y axis Travel (XY-MR-50-150)	150 & 50 mm
Lead screw pitch	1 mm
Resolution	0.3125 microns
Positioning accuracy	< 3 micron
Speed	4 mm / sec

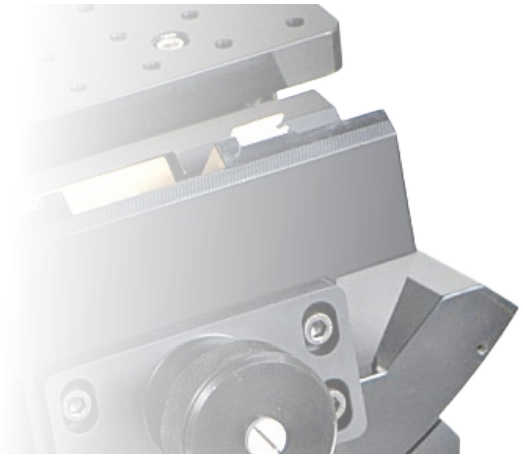
Specimen Holders and Accessories
Multiwell Plate Adapter
Petri Dish Holder
Slide / Multi Slide Holder
M4 / M6 Tapped Breadboard Plate
2 - Axis Joystick Controller
Optical Encode

Model No:	XY-MR-100	XY-MR-50-150
Travel	X: 100mm Y: 100mm	X: 50mm Y: 150mm
Resolution	0.325 microns	0.325 microns
Accuracy	<3 μm	<3 μm
Speed	8 mm / sec	8 mm / sec
Item	Motorized XY Sample stage	Motorized XY Sample stage
Suitable microscope	Nikon Ti-u	Olympus I x 71

- Optical limit switch for home sensing
- Hand wheel for manual movement
- Optional handheld unit & joystick
- Optical Encoder integration on request
- High Position Accuracy (<3 μm)
- Range of Standard and Custom Sample Holders
- Can be integrates with Nikon, Olympus & Zeiss Upright - Inverted Microscopes

Goniometer- Worm Gear Drive

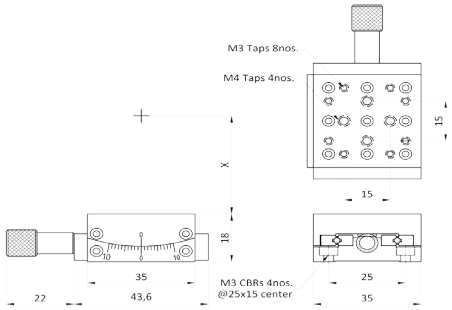
- **Rotating objects around a defined optical axis**
- **Precise pitch and roll positioning of samples**
- **Building modular multi-axis configurations**



Goniometer - Single Axis

GM Series

Goniometers are used to rotate an object or sample about a point in space. Holmarc's GM series goniometer allows adjustment of ±10° around a defined optical axis by means of a precision worm gear drive and V grooved guide ways. These GM series goniometers are modular for building multi axis configurations.



Travel	± 10°. Readout 1°
Guide way	Precision ball guide way
Construction	Aluminium alloy B51S / SS
Finish	Black anodized (aluminium)
Tapped holes on carriage	M3 / M4 / M6 tapped holes
Mounting holes on base	M3 / M4 / M6 CBR
Design	Modular type, Multi axis configurable
Carriage Sizes	35 x 35 mm, 50 x 50 mm & 65 x 65 mm
Load Capacity	1 - 5 kg vertical on X axis
Drive	Precision worm gear

Alluminum alloy or SS made

Engraved Scale for Accurate Adjustments



Material : Aluminium

Model No.	Center Height	Load Capacity
GM-35-37	37 mm	1 Kg
GM-35-55	55 mm	1 Kg
GM-50-43	43 mm	1 Kg
GM-50-63	63 mm	2 Kg
GM-65-50	50 mm	6 Kg
GM-65-75	75 mm	6 Kg

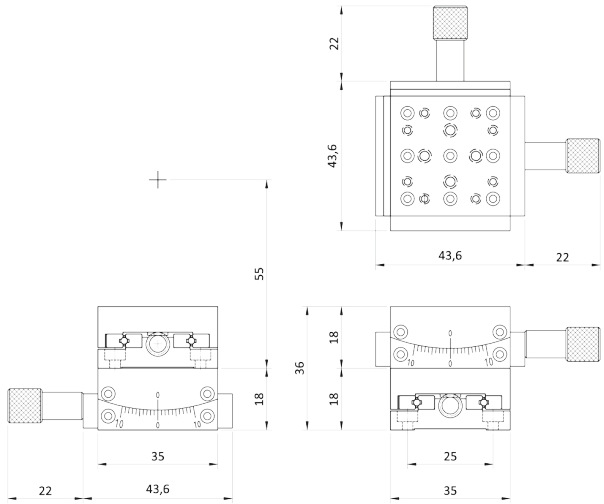
Material : Stainless Steel

Model No.	Travel	Carriage Size
SSGM-35-37	37 mm	1 Kg
SSGM-35-55	55 mm	1 Kg
SSGM-50-43	43 mm	1 Kg
SSGM-50-63	63 mm	2 Kg
SSGM-65-50	50 mm	6 Kg
SSGM-65-75	75 mm	6 Kg

Combi Goniometer - Worm Gear Drive
GM Series Goniometers - Dual Axis

The CGM series Combi-Goniometer is a two axis positioner. It enables precise positioning along pitch and roll direction with the help of a precision worm gear drive and V grooved guide ways. It has ± 10° positioning range around a defined optical point as it provides adjustment around an axis with defined optical height.





Specifications

Travel	± 10°
Readout	1°
Guide way	Precision ball guide way
Construction	Aluminium alloy B51S / SS
Finish	Black anodized (aluminium)
Tapped holes on carriage	M3 / M4 / M6 tapped holes
Mounting holes on the base	M3 / M4 / M6 CBR
Design	Modular type
Configuration	Multi axis configurable
Feature	Common axial point in XY configuration
Carriage Sizes	35 x 35 mm, 50 x 50 mm & 65 x 65 mm
Load Capacity	1 - 5 kg vertical on X axis
Drive	Precision worm gear

Material : Aluminium

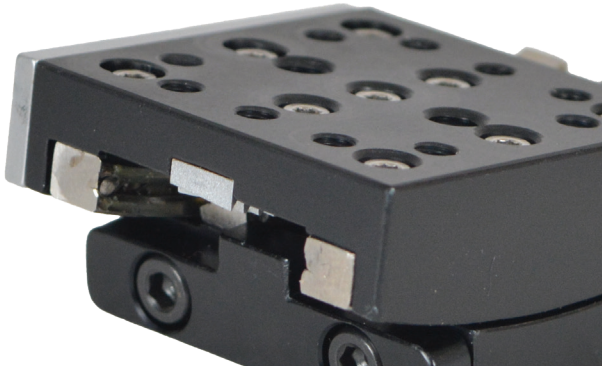
Model No.	Center Height	Load Capacity
CGM-35-37	37 mm	1 Kg
CGM-50-43	43 mm	1 Kg
CGM-65-50	50 mm	6 Kg

Material : Stainless Steel

Model No.	Travel	Carriage Size
SSCGM-35-37	37 mm	1 Kg
SSCGM-50-43	43 mm	1 Kg
SSCGM-65-50	50 mm	6 Kg

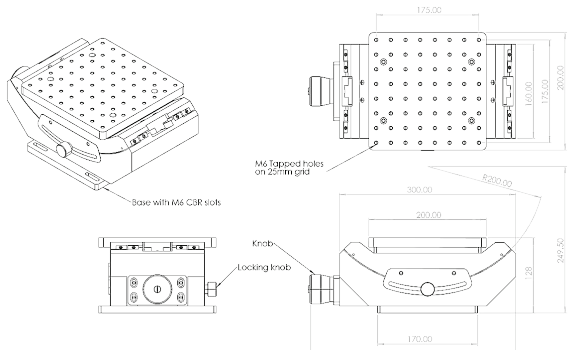
Heavy Duty Goniometer

- **Precise angular positioning along Rx, Ry, Rz axes**
- **Handling heavy loads up to 100 kg**
- **Secure object alignment using locking knobs**



Heavy Duty Goniometers
Single & Dual Axis

This goniometer system features two axes for angular movement, providing flexibility in positioning and alignment of objects or components. With a carriage size of 200 x 200 mm, it offers ample space for accommodating various payloads. The manual worm gear drive mechanism allows for precise control over angular adjustments. Additionally, it boasts a robust load capacity of up to 100 kg, making it suitable for handling heavy loads. The presence of M6 mounting holes ensures compatibility with standard mounting configurations, facilitating easy integration into existing setups or equipment.



Specifications

Travel	Up to ± 15°
Readout	1°
Guide way	Precision ball guide way
Construction	Aluminium alloy B51S / SS
Finish	Black anodized (aluminium)
Tapped holes on carriage	M3 / M4 / M6 tapped holes
Mounting holes on the base	M3 / M4 / M6 CBR
Design	Modular type
Configuration	Multi axis configurable
Feature	Common axial point in XY configuration
Load Capacity	Up 100 Kg vertical on X axis
Drive	Precision worm gear



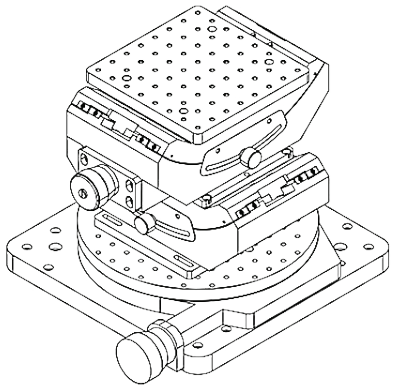




Model No	Carriage size	Configu ration	Tilting range	Load Capacity
GM-200	200 x 200 mm	Single axis	± 15°	100 Kg
CGM-200	200 x 200 mm	Dual axis	± 15°	100 Kg

Heavy Duty Goniometer
Rx Ry Rz

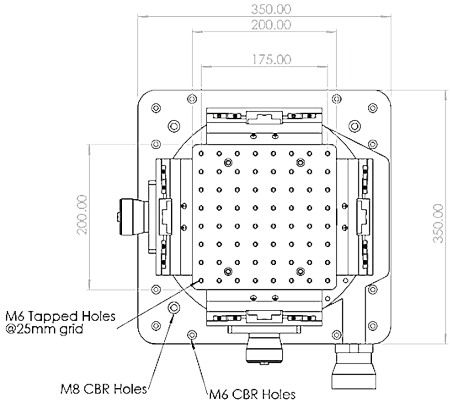
Model : CGMRZ-300-200

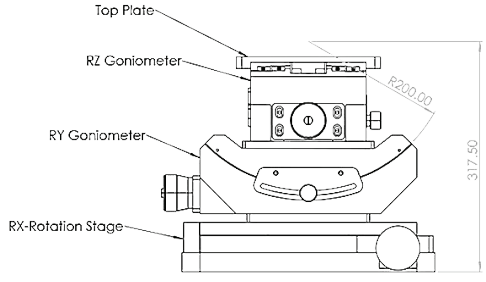


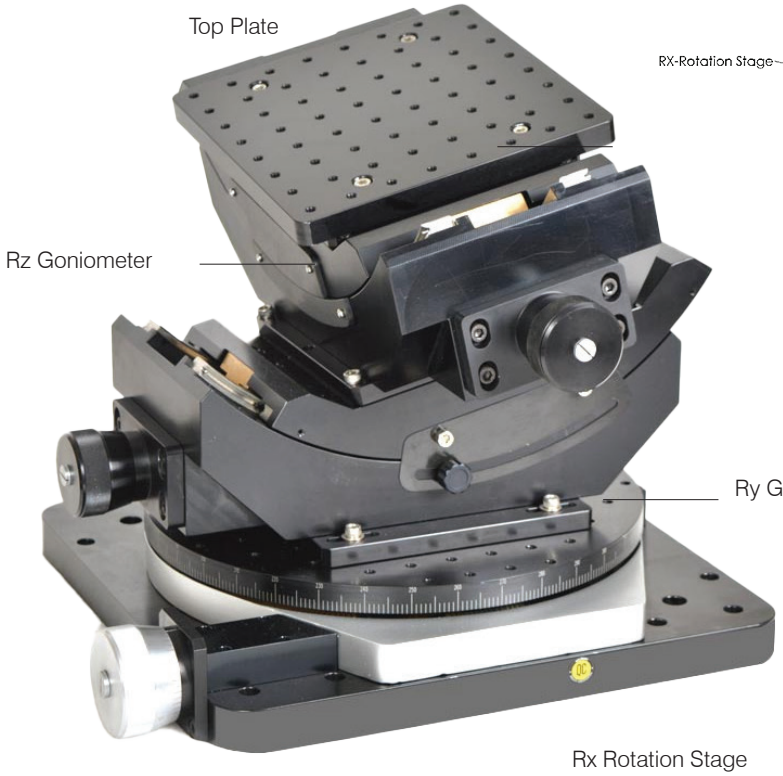
This goniometer system offers precise angular positioning and manipulation along three axes (Rx, Ry and Rz), providing versatility and control over object orientation in laboratory or experimental setups. With its sturdy construction and high load carrying capacity, it is suitable for a wide range of applications requiring accurate angular adjustments and stability. The inclusion of locking knobs ensures secure positioning once the desired orientation is achieved. Its compact size and manual drive mechanism make it convenient for use in various research and industrial environments.

Specifications

Top Platform Size	200 x 200 mm ^2
Angular Travel	Rx : > = ± 15 degrees, Ry : > = ± 15 degrees, Rz : 360 degrees
Locking Mechanism	Provided with locking knobs
Load Carrying Capacity	Up to 100 Kg
Tapped Holes for Payload Mounting	M6 tapped
Mounting Holes on Base	M6 counterbore
Position Accuracy	≤ 0.5 degrees
Drive Mechanism	Manual
Overall Size	350 mm x 350 mm x 278 mm
Overall Weight	Approximately 65 kg
Material	Aluminium black anodised







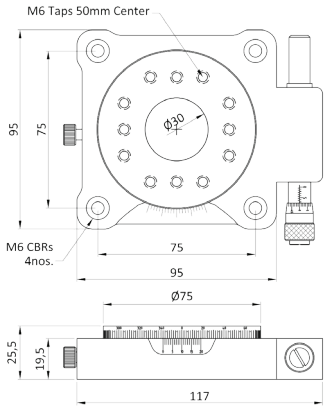
⩽ 0.5° Position Accuracy

Dual Axis goniometer with Rotation Stage

Rotation Stage

RS Series

This RS Series precision rotary stage allows unlimited coarse movement and a limited +/- 4 degree azimuth at resolutions of 0.1 degree. It is suitable for horizontal and vertical rotary axes. Pre-loaded rolling contact bearings are used to minimize friction and to eliminate play. M6 clearance holes are provided at four corners to mount the stage directly to breadboards. For mounting to linear stages and other systems, adapter plates with sufficient tapped holes and C bored holes are used.



Specifications

Readout	0.1°
Construction	Aluminium Alloy B51S / Stainless Steel
Finish	Black anodized (Al) / Ground finish (SS)
Tapped holes on top disc	M4 / M6 tapped holes
Mounting holes on the base	M4 / M6 CBR
Design	Modular
Coarse travel	360°
Fine travel	± 4°
Top disc size	Diameter 25 mm - 150 mm
Load capacity	45 kg vertical
Drive	Micrometer



Aperture platform

Engraved Scale for Accurate Adjustments

Material : Aluminium

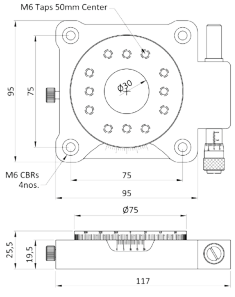
Model No.	Load Capacity
RS-25	1 Kg
RS-35	1 Kg
RS-50	3 Kg
RS-75	8 Kg
RS-100	15 Kg
RS-125	35 Kg
RS-150	45 Kg

Material : Stainless Steel

Model No.	Load Capacity
SS-RS-25	1 Kg
SS-RS-35	1 Kg
SS-RS-50	3 Kg
SS-RS-75	8 Kg
SS-RS-100	15 Kg
SS-RS-125	35 Kg
SS-RS- 150	45 Kg

Rotation Stage with through hole at the center RSC Series Rotation Stages

This RSC Series precision rotary stage allows unlimited coarse movement and limited +/- 4 degree azimuth at resolutions of 0.1 degree. It is suitable for horizontal and vertical rotary axes. Preloaded rolling contact bearings are used to minimize friction and to eliminate play. M6 clearance holes are provided at four corners to mount the stage directly to breadboards. For mounting to linear stages and other systems, adapter plates with sufficient M6 tapped holes and C'bored holes can be used. The stage is constructed out of aluminium alloy with black anodized finish.



Through-hole or M16x1 threaded hole in the center allows the stage to be used in an imaging application that requires illumination from underneath the sample. Holmarc provides custom mounting pattern as well possible for easy integration with other devices.



Specifications

Readout	0.1°
Construction	Aluminium Alloy B51S / Stainless Steel
Finish	Black anodized (Al) / Ground finish (SS)
Tapped holes on top disc	M4 / M6 tapped holes
Mounting holes on the base	M4 / M6 CBR
Design	Modular
Fine travel	± 4°
Bore Type	M16 x 1 thread or 25 - 100 mm through Bore
Top Disc Sizes	50 mm - 150 mm Dia.
Load Capacity	25 kg vertical
Drive	Micrometer
Course Travel	360^0

Material : Aluminium

Model No.	Load Capacity	Bore Type
RSC-50	2 Kg	Dia - 25 mm
RSC-50T	2 Kg	M16 x 1 thread
RSC-75	5 Kg	Dia - 30 mm
RSC-75T	5 Kg	M16 x 1 thread
RSC-100	8 Kg	Dia - 50 mm
RSC-125	25 Kg	Dia - 75 mm
RSC-150	25 Kg	Dia - 100 mm

Material : Stainless Steel

Model No.	Load Capacity	
SS-RSC-50	2 Kg	Dia - 25 mm
SS-RSC-50T	2 Kg	M16 x 1 thread
SS-RSC-75	5 Kg	Dia - 30 mm
SS-RSC-75T	5 Kg	M16 x 1 thread
SS-RSC-100	8 Kg	Dia - 50 mm
SS-RSC-125	25 Kg	Dia - 75 mm
SS-RSC-150	25 Kg	Dia - 100 mm

Angle Display Unit

Holmarc's Angle display unit (Angular Rotary stage with Led display) Model : HO-ADU-01 is a rotary stage which denotes precise angle which indicates in display unit. It's a vital unit in monochromatic design; which grating mounted on the angle rotary unit. The encoder attached to the rotary unit which helps the customer to note the exact position of the goniometric stage; thereby one can easily arrange monochromatic design & calibrate the monochromator / spectrophotometer. Micrometer attached to the stage is provided for fine alignment in the rotary stage. It's a flexible model which students get better understanding of the working principles of monochromatic / spectrometer design. All functions are deliberately made open and easy to understand. Students gain better advantage by calibrate the devices by their own.



Experiments Included

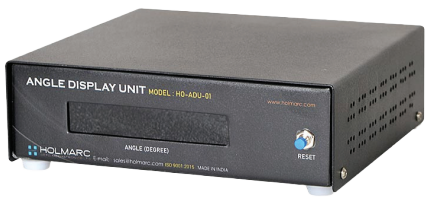
- Works with a standard Monochromator / Spectrophotometer
- Students can work on lab view by controlling angle display unit encoder

Model No.	HO-ADU-01	HO-ADU-02
Angular resolution	0.009 degree resolution	0.001125 degree resolution
Fine Movement	Micrometer controlled	Micrometer controlled
Resolution of micrometer	10 micron	10 micron
Display	LED display	LED display
Mounting table size	Options for different grating size mounting	Options for different grating size mountings

Angular grating mount with display unit
Micrometer controlled fine movement
Fine Fixing Knobs
Fine Tilting long rod

Scope of Supply

- Angular grating mount with display unit
- Micrometer controlled fine movement
- Fine Tilting long rod
- Fine Fixing Knobs



Features

- Compact & user friendly design
- Works with standard monochromator / spectrophotometer
- Micrometer based precision movement
- Mounting table for different grating size

Rotation Stages - Continuous Rotation - 360°

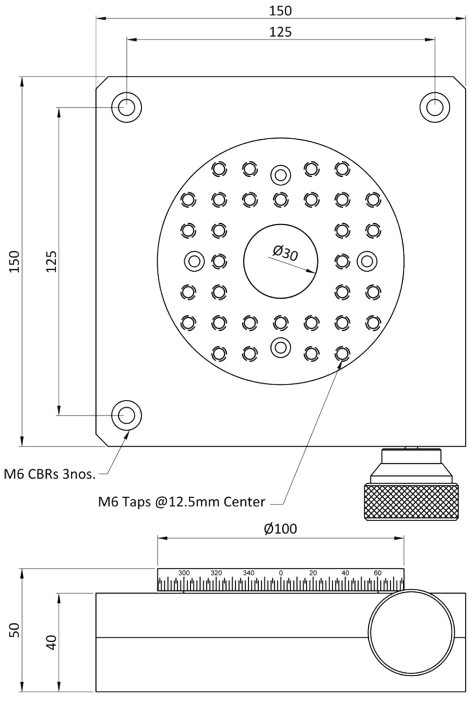
- **Mounting components through central hole**
- **Routing cables via center through hole**
- **Fixing devices using tapped holes on surface**



WRSC series Rotation Stages

In these rotation stages, a through hole is provided at the center . This through hole can be utilized for mounting components or taking out cables through the center. These stages are available in aluminium alloy and stainless steel. Please refer to table describing models for details.

- M6 tapped holes
- Precision worm gear drive
- Minimum back lash
- Angular resolution - 0.1°
- 360° continous motion
- Black anodized finish



Material : Aluminium

Model No.	Load Capacity
WRSC-100	30 Kg
WRSC-150	80 Kg
WRSC-200	150 Kg
WRSC-300	300 Kg

Material : Stainless Steel

Model No.	Load Capacity
SS-WRSC-50	
SS-WRSC-75	
SS-WRSC-100	30 Kg
SS-WRSC-150	80 Kg
SS-WRSC-200	150 Kg
SS-WRSC-300	300 Kg

Aperture platform Engraved Scale for Accurate Adjustments

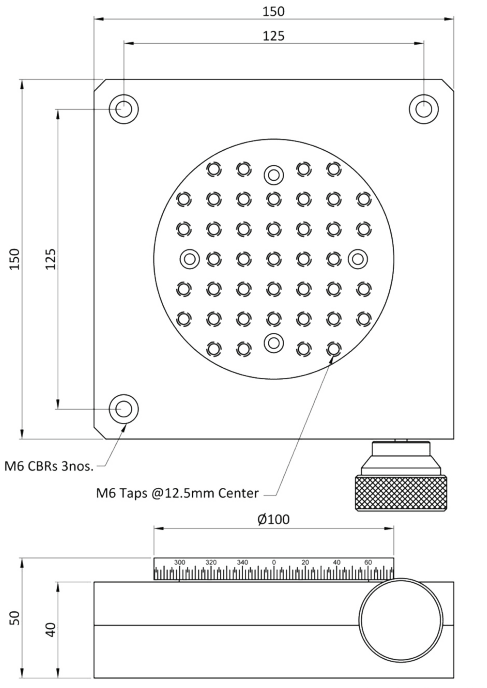


WRS series Rotation Stages

In these stages, top rotating surface is plain without any center through hole. There are tapped holes provided on this top surface for mounting components and devices. These stages are also available either in aluminium alloy or stainless steel.

M6 tapped holes
Precision worm gear drive
Minimum back lash
Angular resolution - 0.1°
360° continous motion
Black anodized finish





Material : Aluminium

Model No.	Load Capacity
WRS-50	12 Kg
WRS-75	25 Kg
WRS-100	80 Kg
WRS-150	125 Kg
WRS-200	150 Kg
WRS-300	180 Kg

Material : Stainless Steel

Model No.	Load Capacity
SS-WRS-50	12 Kg
SS-WRS-75	25 Kg
SS-WRS-100	80 Kg
SS-WRS-150	125 Kg
SS-WRS-200	150 Kg
SS-WRS-300	180 Kg

Designed @ HOLMARC Design LAB
Cochin, May 2026

Solutions **I**dea Innovations
Research & Development **D**esign
Prototyping
Automation Volume **P**roduction OEM Solutions
Testing Quality Controls
Marketing **D**elivery

State of the art manufacturing
Quick turn customization

Holmarc is unique in its ability to design, prototype, and manufacture under one roof .
We have well-developed optic, mechanical & electronics fabrication facilities and thin film coating unit.
Contact us for assistance with your manufacturing needs.

5000+

With more than 5000 products, Holmarc Opto-Mechatronics Ltd. stands at the forefront of scientific and engineering innovation. Our comprehensive range—from precision optics to advanced laboratory instruments—empowers research, education, and industry. With 150–200 new products introduced annually, our commitment to innovation and quality ensures reliable performance and long-term value.

Product Group

Optical Tables, Breadboards & Enclosures | Rail carriers & Accessories | Optomechanics
Positioning Devices | Optics | Analytic Instruments | Imaging Devices
Optical Fibers, Positioners & Accessories | Optical Sources & Detectors | Spectroscopy
Bio-Lab Instruments | Life Science | Thin Film Lab Equipments | Holography | Physics Instruments

GET A FREE CATALOG
Need another catalog for yourself or a colleague? Scan @ QR Code

Catalog Request

ADD TO CONTACT QR CODE

HOLMARC

HOLMARC
OPTO-MECHATRONICS PVT.LTD

FACTORY ADDRESS
B.7, H.M.T. INDUSTRIAL ESTATE,
H.M.T. P.O, KALAMASSERY,
KOCHI - 683 503, KERALA,INDIA

PHONE CONTACTS
Tel: 91-484-2540075 (Off)
91-484-3266603 (Factory)
Fax: 91-484-2540882

visit us @
www.holmarc.com
E-mail: sales@holmarc.com / mail@holmarc.com

Follow us on

All Products are manufactured and marketed by
HOLMARC Opto-Mechatronics Ltd

Because of continuous product improvement, the various data listed are subject to change without notice.
Please confirm before ordering.

For more products and informations, log on to **www.holmarc.com** or contact us at sales@holmarc.com