

INSPECTION PROCESS AT EACH LEVELS

Mechanical Department

1. Material Cutting : Steel Rule, Vernier caliper
2. Machining : Digital Vernier, Try square, Dial test indicator
Micrometer, Height gauge
3. Surface finishing : Digital Vernier, Try square
4. Anodizing : Digital Vernier

Electronics Department

Fabricated PCBs are visually inspected for quality and compared with the PCB design file.

Assembled PCBs are tested as below.

1. Visual inspection for proper soldering and cleaning.
2. Functional testing by putting the board to its actual use. For example, a motor drive is functionally tested by connecting it to a motor, providing power supply voltage and input signals and then checking the operation of the motor.

Assembled boxes are tested as below.

1. Visual inspection for proper wiring, secure fastening of boards and transport friendliness.
2. Functional testing by putting the box to its actual use. For example, a motor controller is functionally tested by connecting it to a motor, and a PC for software interface, providing power supply voltage and then checking the operation of the motor through the software.

Fabrication Department

1. Sheet Cutting : Steel Rule
2. Drilling : Steel Rule
3. Bending : Steel Rule
4. Finishing : Steel Rule