

Electronics R&D Division

Holmarc's Electronics R&D division has 12 engineers having expertise in power electronics, opto-electronics, embedded systems and software development. The average experience level for these engineers is 8 years with some of them having almost two decades of experience in the design of different types of instruments.

The Electronics R&D division is involved in the custom product design right from the customer enquiry stage. The customer requirements are analyzed and preliminary product design and costing is done without any delay, which enhances the customer experience. After receiving the purchase order from the customer, a detailed design is prepared and the purchase of raw materials is initiated. After the assembling part of the production process is completed, the engineers in the R&D division is entrusted with the comprehensive testing of the product, before dispatch to the customer.

This division is also responsible for the design and testing for the improvement of the existing products and the development of new products, which does not have a customer order, as the part of the company strategy.

The facilities available in this division are given below.

Measurement devices: Multimeter, oscilloscope, logic analyzer, temperature sensor, magnetic field sensor, optical power meter, vibration sensor, high voltage probe, radiation tester and advanced source measurement unit.

Programming and other embedded system development support devices: Microcontroller programmer, emulator, debugger, evaluation boards for different makes of micro-controllers and motor drives and single board computer.

Production tools: Hand soldering station and reflow oven.

Software tools: PCB design software, Integrated development environment (IDE) and debuggers for various microcontrollers, single board computer application development tools and desktop PC (Windows) application development tools.