

Machine Shop Facilities

Machine Tool	Make/Manufacturer	Brief Specifications	Picture
Conventional Lathe	Geedee Weiler	Distance between centers: up to 500 mm Max. diameter: 100 mm	
Conventional Milling Machines	STM (Manford)	Table size: 254 mm x 1270 mm Longitudinal travel: 890 mm Vertical & cross travel: 406 mm	
CNC Milling	STM (Manford)	Table size: 600 mm x 320 mm Travel: 550 (X), 410 (Y), 460 (Z) Max. RPM: 8000 CNC controller: FANUC	
CNC Turning	STM (Manford)	Swing over bed diameter: 400 mm Max. processing diameter: 320 mm Max. processing length: 300 mm	

CNC EDM Wire Cut	<p>Electronica</p> <p>Model: eNOV OS Submerged Type</p>	<p>Work table size: 600 x 400 mm Max. weight of workpiece: 500 kg Max. height of the workpiece: 200 mm</p>	 <p>A compact, light-colored CNC EDM wire cut machine with a control panel on top and a work area below.</p>
Abrasive Water Jet Machine	<p>Ainnovative Pump : KTM</p>	<p>Work table size: 1.5 x 1.5 m Max. pressure : 4000 bar</p>	 <p>A large industrial machine with a wide work table, a control monitor on the left, and a high-pressure jet head assembly.</p>
Surface Grinder	<p>Guru Arjan Machine Tools</p>	<p>Magnetic bed size: 300 x 150 x 150 mm</p>	 <p>A vertical surface grinder with a rotating grinding wheel and a work table mounted on a magnetic bed.</p>
Cylindrical Grinder	<p>HR Grinders</p>	<p>Max. job diameter: 100 mm Max. job length : 500 mm</p>	 <p>A horizontal cylindrical grinder with two grinding wheels and a work table mounted on a sturdy green base.</p>

FRP, Plastics & 3D Printing Facilities

Injection Moulding Machine

Tex Shine

Type: Vertical plunger (Semi-automatic)
Capacity: 30 gm
Max. mould size: 150 mm x 150 mm
Max. mould thickness: 60-200 mm



3D Printer

Divide By Zero & Epsilon

Table size: 300 x 250 x 200 mm
Process: FDM
Materials: ABS, PLA, PP etc.



Optical Vision Measuring Machine

Sipcon Technologies Pvt. Ltd.

Max magnification up to: 225 X
Least count: 1 micron
Bed size: 250 X 200 mm



Fiber Reinforced Plastics

- Hand Layup Process (Glass Fiber, Carbon fiber etc.)
- Vacuum Moulding Process (Carbon fiber, Glass Fiber, Kevlar fiber etc.)

Welding Shop Facilities

- Arc welding
- TIG welding
- MIG welding
- Gas welding
- Brazing
- Welding Simulator

Carpentry Shop Facilities

- Miter saw
- Thickness planer
- Belt sander
- Bench circular saw
- Table zig saw
- Electric jack planer
- Carpentry power tools
- General purpose hand tools

Fitting Shop Facilities

- Precision drilling machine
- Pillar drill machine
- Band saw
- Bench grinder
- General purpose hand tools and power tools