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Product Name :

CNC Lathe Machine

Product Code :

SLE/MCE/01



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Description :

CNC Lathe Machine (Product Code: SLE/MCE/01) is a compact slant-bed CNC lathe used to teach and practise programmed turning of small components in engineering college workshops, polytechnics and technical training centres. Its design replicates industrial machine features — cast iron bed, precision-grade ground ball screws, LM guideways and servo motors — around an 8-station programmable turret and a 100 mm chuck. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Machine type	Compact industrial slant bed lathe with programmable turret
Construction features	Cast iron bed, precision-grade ground ball screws, LM guideways, servo motors, coolant system, AC panel cooler for the control box, full machine guard
Chuck capacity	100 mm
Maximum turning diameter	80 mm
Maximum turning length	190 mm
Positioning accuracy	0.01 mm
Hole through spindle	20 mm
Spindle speed range	150–4000 RPM
Spindle motor	3.7 kW
Turret stations	8
X/Z axis travel	95 / 210 mm
Rapid traverse X/Z	5000 mm/min
Feed rate	0–5000 mm/min
Tailstock	Base stroke 170 mm; stroke 40 mm; diameter 35 mm
Product code	SLE/MCE/01
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the CNC Lathe Used For?

A CNC lathe turns a rotating workpiece against cutting tools that move under program control, so students learn to write part programs, set tool offsets and run jobs rather than turn handwheels. On this machine the 8-station turret indexes between tools automatically, allowing a sequence of operations such as facing, turning and grooving on bar stock held in the 100 mm chuck. Work

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