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Product Name :

Cut Off Wheel Machine

Product Code :

SLE/MCE/22



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Description :

Cut Off Wheel Machine (Product Code: SLE/MCE/22) is an abrasive cutting machine used to section metal samples for metallographic testing in college, university and industrial laboratories. Sample-preparation staff choose it because it cuts round workpieces up to 80 mm in diameterand rectangular specimens up to 70 mm high and 100 mm deep, with coolant to prevent burningof the cut face. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, alongside its other engineering lab equipment in India.

Specifications

Parameter	Detail
Round workpiece capacity	Up to 80 mm diameter
Rectangular specimen capacity	Up to 70 mm height and 100 mm depth
Main parts	Main unit, electric control box, cutting chamber, motor, cooling system and abrasive cutting wheel
Cooling	Cooling system to prevent overheating and burning while cutting
Cutting speed	Adjustable to suit different specimens
Cutting mode	Manual or automatic, selected by the operator
Cutting chamber	Large chamber for convenient loading
Product code	SLE/MCE/22
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Cut Off Wheel Machine Used For?

Every metallographic examination starts with a clean, representative cross-section, and this machine produces it. A rod, bar, weld or casting is clamped in the cutting chamber and parted with the abrasive wheel while coolant floods the cut, so the heat that would otherwise temper or burn the edge is carried away. Being able to set the cutting speed for each material improves the quality of the cut sample, and automatic mode gives a steadier feed than cutting by hand.

Clamp the workpiece firmly so it cannot twist, let the wheel cut without forcing it, and check that coolant is reaching the cut before starting. For engineering colleges building up engineering lab equipment in India, this machine is the natural first station in a line that continues with grinding, polishing and hardness testing.

What to Specify When Ordering

- The largest section you need to cut, compared with the 80 mm round and 70 x 100 mm rectangular capacities
- The electrical supply in your laboratory, so we can confirm the matching machine
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Man