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Product Name :

Single Disc Polishing Machine

Product Code :

SLE/MCE/19



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Description :

Single Disc Polishing Machine (Product Code: SLE/MCE/19) is a motorised grinding and polishing machine used to prepare metallographic specimens for microscopic examination in materials and metallurgy laboratories. Research institutions, college labs and industrial quality labs rely on its single 203 mm disc, which runs at 150 or 300 rpm, and on a cooling system that stops the specimen overheating during pre-grinding. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Grinding / polishing disc diameter	203 mm
Disc control	Single disc
Rotation speed	150 rpm and 300 rpm
Input power	370 W
Input voltage	AC 380 V, 50 Hz, 3 phase (confirm your site supply with us)
Cooling	Built-in cooling system to protect the metallographicstructure during pre-grinding
Operation	Easy to operate, reliable performance
Dimensions	740 x 400 x 310 mm
Weight	30 kg
Product code	SLE/MCE/19
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Single Disc Polishing Machine Used For?

After a specimen has been mounted, it is wet ground to reveal the true metal surface and then taken through finer and finer abrasive media until it can be polished and etched. Silicon carbide abrasive paper was the first grinding medium used this way and remains common today, fixed to the rotating disc. The two speeds give the operator a choice: the slower setting is easier to control on delicate final steps, while the faster one removes material more quickly during early grinding.

Keep the coolant running whenever you grind so the specimen stays cool and its microstructure is not changed by heat. Hold the sample flat with steady, light pressure, clean it between abrasive steps and change the paper or cloth as soon as it loads up. For institutions equipping a metallography room, it pairs naturally with other laboratory equipment from a single supplier in India, which simplifies ordering and follow-up.

Wha

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