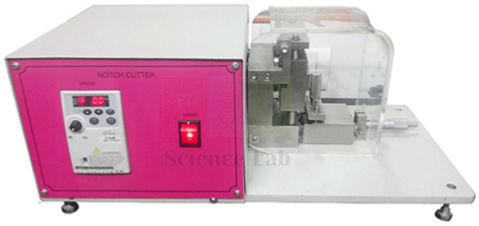
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Motorized Notch Cutter (Variable Speed)

Product Code :

SLE/ET/04



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Description :

Motorized Notch Cutter (Variable Speed) (Product Code: SLE/ET/04) is a specimen-preparation machine used to cut a precise notch into test bars before pendulum impact testing in plastics and materials laboratories. Its 45° cutter is driven by a 1440 rpm motor through a vector-controlled variable speed drive, its 0–25 mm range reads to 0.01 mm, and an acrylic safety jacket guards the cutting area. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** , Ambala, India, a laboratory equipment supplier in India for materials testing rooms.

Specifications

Parameter	Detail
Cutting angle	45°
Range	0–25 mm
Least count	0.01 mm
Operation	Motorized, with a 1440 rpm motor
Drive	Vector-controlled variable speed drive for adjusting the cutting speed
Safety	Acrylic safety jacket
Power supply	230 V, 50 Hz, single phase
Product code	SLE/ET/04
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Notch Cutter Used For?

Impact results can only be compared when every specimen carries the same notch, and hand-filed notches rarely match. This machine cuts the notch with a motor-driven 45° cutter, and its 0–25 mm range is read to a least count of 0.01 mm, so each bar in a batch can be given the same setting.

The vector-controlled drive lets the operator lower the cutting speed for heat-sensitive thermoplastics, which can smear or melt at the notch root if cut too fast, and raise it for tougher materials. Clamp each bar firmly, keep the acrylic jacket closed while the motor runs, clear chips between cuts and inspect the notch before the specimen goes to the impact tester. It is a sensible addition to engineering lab equipment in India wherever Izod or similar impact tests are taught.

What to Specify When Ordering

- Confirmation that the 45° cutting angle matches the notch your test method calls for
- Your specimen sizes, so fit within the 0–25 mm range can be checked with us
- Site supply (listed: 230 V, 50 Hz, single phase)
- Whether an impact tester should be quoted with it
- Quantity and delivery location

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