

AUTOMATIC SAMPLE NOTCHER ASN

**SERIES
ASN**

The Polymer Test Sample Notcher offers a safe, easy means of specimen preparation for impact testing of plastics and related materials. The compact, easy to operate notcher meets the broad range of test specifications including, ASTM D256, ISO 180, DIN 53753, BS 2782, JIS K 6871, and UNI 6323.

The ASN is a sophisticated, fully automatic notcher. Adjusting all feed rates and cutter speed

avoids stress to the sample during its preparation for testing. This permits fine adjustment when working with materials of varying hardness and softness. The ability to vary cutter speed and table speed makes the ASN a valuable research and development tool. A notch verification tester is provided for easy and convenient checking of notched specimens. The tester allows for easy readability of notch size, and overall better

testing. This is standard equipment, available in either English or SI units.

Operator safety has been ensured with the ASN. A transparent safety cover shields the working area while allowing unimpaired viewing of samples. If the cover is lifted during operation, an emergency shut-off is activated.



SERIES ASN

PROCEDURE

A sample is placed in the vice and secured. The vice will accommodate 16 standard (0.3175 cm/1/8" thick) Izod samples. The protective cover is then positioned over the sample area. The table feed rate and the cutter speed is adjusted and the switch is turned on to begin notching.

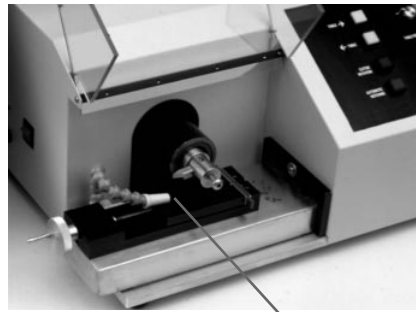
When notching is complete, the table automatically resets to the proper loading position. Specimens are ready to be removed. The user should periodically check the cutter clearance.

testing, the notcher prepares samples for the Pendulum Impact Tester.

Used in conjunction with impact

TECHNICAL FEATURES

- Automatic notching up to 16 (0.3175 cm/0.125 in) samples
- Variable cutter/table speeds
- Air sample cooling
- Safety shut-off
- 45° single carbide tooth cutter
- Special cutters available
- Notch verification tester in either English or SI units



Sample air cooling

SPECIFICATIONS

DIMENSIONS

56 cm x 38 cm x 26 cm
(22 in L x 15 in W x 10 in H)

ELECTRICAL

115/220V, 50/60 Hz, 1 ph, 4A

CUTTER SPEED

0-137 m/min (0-45000000 ft/min)

CUTTER

Single or multi-tooth 45° cutter
with 0.25 mm (0.010 in) radius

WEIGHT

55 kg (120 lbs)

DEPTH OF MATERIAL UNDER NOTCH

1.106 cm (.4 in)

SAMPLE TABLE SPEED

0-16 cm/min (0-63 in/min)

REFERENCE SPECIFICATIONS

- ASTM D256
- ISO 180
- DIN 53753
- BS 2782
- JIS K 6871
- UNI 6323

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