

# Automatic Sample Notcher

## ASN



Sample air cooling

### Features

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

### Description

The Dynisco 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.



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## Procedure

A sample is placed in the vice and secured. The vice will accommodate 16 standard (0.3175cm/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.

Used in conjunction with impact testing, the notcher prepares samples for the Dynisco Pendulum Impact Tester.

## Specifications

### Physical Specifications

<b>Dimensions</b>	22"L x 15"W x 10"H (56cm x 38cm x 26cm)
<b>electrical</b>	115/220V, 50/60Hz, 1 PH, 4A
<b>cutter Speed</b>	0 to 450 ft/min (0 to 137m/min)
<b>cutter</b>	Single or multi-tooth 45° cutter with 0.010" (0.25mm) radius
<b>Weight</b>	120 lbs. (55kg)
<b>Depth of Material Under notch</b>	0.4" (1.106cm)
<b>Sample table Speed</b>	0 to 63"/min (0 to 16cm/min)

### Reference Specifications

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

All dimensions are in inches (millimeters).

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Refer to [www.dynisco.com](http://www.dynisco.com) for access to Operator Manual and other support documentation.

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