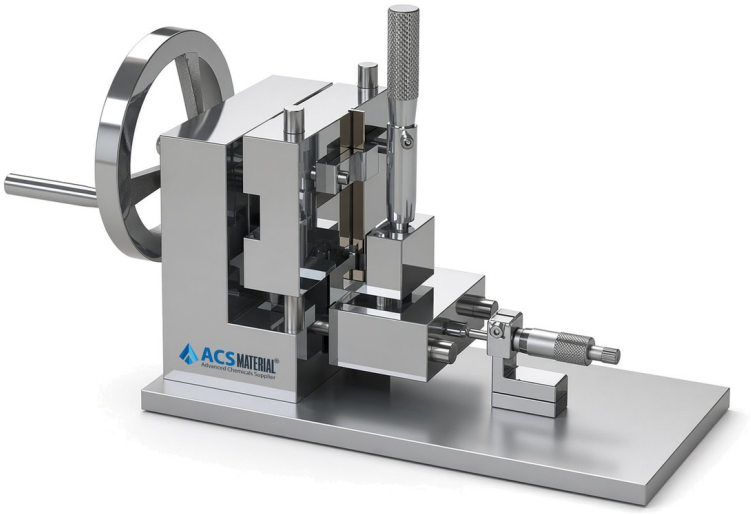
TECHNICAL DATA SHEET

Polytevo Series Notching Machine

Izod and Charpy specimen preparation · ACS-5001: up to 8 mm thick · ACS-5001A: 0–30 mm/min adjustable feed



Polytevo Series Notching Machine (ACS-5001 and ACS-5001A) — representative configuration

The Polytevo Series Notching Machine (ACS-5001 manual, ACS-5001A automatic) prepares notched specimens for pendulum impact testing. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Polytevo Series Notching Machine (ACS-5001 manual and ACS-5001A automatic) are notching machines that cut the notch in plastic impact test specimens for Izod and Charpy pendulum testing, cutting one specimen at a time up to 8 mm thick (ACS-5001).

The ACS-5001 (manual) and ACS-5001A (automatic) prepare notched specimens for pendulum impact testing of plastics and other non-metallic materials. The ACS-5001A is used with Izod and Charpy impact testers and has an adjustable feed speed of 0–30 mm/min; the ACS-5001 is operated by hand. They suit the sample-preparation work of research institutions, universities and material laboratories.

SECTION II

Core Advantages

— **Manual or automatic** Choose the hand-operated ACS-5001 or the ACS-5001A with an adjustable automatic feed.

— **Adjustable feed speed** ACS-5001A: feed speed 0–30 mm/min, adjustable; worktable travel over 160 mm.

— **Up to 8 mm specimen thickness** ACS-5001: maximum specimen thickness 8 mm, one specimen cut at a time.

— **Notched specimens for impact tests** Prepares notched specimens for pendulum impact testing with Izod and Charpy impact testers.

— **Type A notch cutter as standard** ACS-5001A is configured with a Type A notch cutter (45°±1°, r = 0.25±0.025 mm); Type B and C cutters are optional.

— **Compact bench unit** ACS-5001: 300 × 206 × 250 mm, about 20 kg.

SECTION III

Specifications

Technical data — ACS-5001 and ACS-5001A

Specifications	
Parameter	**Specification**
Brand	Polytevo Series by ACS Material
Product Name	Polytevo Series Notching Machine
Models	ACS-5001 (manual) / ACS-5001A (automatic)
SKU #	ERP7NTM1 / ERP7NTM2
Product type	Notching machine for impact test specimens
Use	Notching of plastic pendulum impact test specimens (Izod and Charpy)

Model comparison — ACS-5001 / ACS-5001A

Model comparison		
Parameter	**ACS-5001 (manual)**	**ACS-5001A (automatic)**
SKU #	ERP7NTM1	ERP7NTM2
Operation	Manual	Automatic feed
Specimens cut per operation	1	Confirmed on quotation
Maximum specimen thickness	8 mm	Confirmed on quotation
Worktable travel	Confirmed on quotation	>160 mm
Feed speed	Confirmed on quotation	0–30 mm/min (adjustable)
Notch cutters	Confirmed on quotation	Type A cutter (45°±1°, r = 0.25±0.025 mm) as standard; Type B and Type C cutters optional
Overall dimensions	300 × 206 × 250 mm	Confirmed on quotation
Weight	About 20 kg	Confirmed on quotation
Test method reference	ISO 179; ISO 180; ASTM D256	ISO 179; ISO 180; ASTM D256

Accessories — Optional notch cutters

Accessories	
Accessory	**Description**
Notch cutters (Type B / Type C)	Optional cutters for the ACS-5001A. The standard configuration includes the Type A cutter (45°±1°, r = 0.25±0.025 mm).

Scope of delivery

— **Standard configuration:** the notching machine and its notch cutter(s) for the selected model.

— **Scope of supply** — final accessories and scope of supply are confirmed in the quotation.

SECTION IV

Applications

For preparing notched plastic and non-metallic impact specimens for Izod and Charpy testing.

Product value: notched impact specimens prepared by hand (ACS-5001) or with an adjustable automatic feed (ACS-5001A).

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