TECHNICAL DATA SHEET

Polytevo Series Dumbbell Specimen Cutting Machine

Dumbbell specimen cutting (milling) machine · type 1B template · 2800 rpm milling · 220 V 50 Hz



Polytevo Series Dumbbell Specimen Cutting Machine (ACS-5002) — representative configuration

The Polytevo Series Dumbbell Specimen Cutting Machine (ACS-5002) mills dumbbell and rectangular specimens along a mold. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Polytevo Series Dumbbell Specimen Cutting Machine (ACS-5002) is a dumbbell specimen cutting machine that mills standard dumbbell and rectangular specimens from semi-rigid plastics and rigid non-metallic materials at a milling speed of 2800 rpm, with a type 1B template.

The ACS-5002 prepares standard dumbbell and rectangular specimens from semi-rigid plastics and rigid non-metallic materials. The sample is pressed between the molds and a milling cutter mills the specimen shape along the molds. It is supplied with a template for type 1B dumbbell specimens (Test method reference: ISO 527-2).

SECTION II

Core Advantages

— **Milling along a template** The sample is pressed between the molds and the milling cutter cuts the shape along them.

— **Type 1B template** Supplied with a template for the type 1B dumbbell specimen.

— **Compact bench unit** 400 × 400 × 370 mm and 30 kg.

— **Dumbbell and rectangular specimens** For semi-rigid plastics and rigid non-metallic materials.

— **2800 rpm milling** Milling cutter speed of 2800 rpm.

— **Further specimen types** Other specimen types need their own mold; they are confirmed on the quotation.

SECTION III

Specifications

Technical data — ACS-5002

Specifications	
Parameter	**Specification**
Brand	Polytevo Series by ACS Material
Product Name	Polytevo Series Dumbbell Specimen Cutting Machine
Model	ACS-5002
SKU #	ERP7DSC1
Product type	Dumbbell specimen cutting (milling) machine
Usage	Standard dumbbell and rectangular specimens from semi-rigid plastics and rigid non-metallic materials
Working principle	The sample is pressed between the molds and milled along the molds with a milling cutter
Specimen type	Type 1B dumbbell specimen
Test method reference	ISO 527-2 (type 1B dumbbell specimen)
Milling speed	2800 rpm
Power supply	220 V ±10%, 50 Hz
Overall dimensions	400 × 400 × 370 mm
Weight	30 kg

Accessories — Supplied template

Accessories	
Accessory	**Description**
Type 1B specimen template	Template for the type 1B dumbbell specimen, supplied with the machine.

Scope of delivery

— **Standard configuration:** the specimen cutting machine and the type 1B template.

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

SECTION IV

Applications

For preparing dumbbell and rectangular specimens from semi-rigid plastics and rigid non-metallic materials.

Product value: milling of type 1B dumbbell specimens along a template at 2800 rpm.

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