TECHNICAL DATA SHEET

Polytevo Series Pneumatic Punching Machine

Pneumatic punching machines · ACS-4025P: 28 kN at 0.7 MPa · ACS-4025D: 5.3 t at 0.6 MPa



Polytevo Series Pneumatic Punching Machine (ACS-4025P and ACS-4025D) — representative configuration

The Polytevo Series Pneumatic Punching Machine is available in ACS-4025P and ACS-4025D configurations. Image shown for reference; final configuration is confirmed in the quotation.

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ACS MATERIAL, LLC

959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone +1 (866) 227-0656

Fax +1 (781) 518-0284

contact@acsmaterial.com

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SECTION I

Product Overview

Polytevo Series Pneumatic Punching Machine (ACS-4025P and ACS-4025D) are pneumatic punching machines for standard test pieces, with a maximum force of 28 kN at 0.7 MPa (ACS-4025P) or 5.3 t at 0.6 MPa (ACS-4025D); the ACS-4025P punches rubber, plastic, films, leather and other special materials.

The ACS-4025P and ACS-4025D use compressed air to punch standard test pieces for material testing machines; the ACS-4025P punches rubber, plastic, films, leather and other special materials. The ACS-4025P offers a 100 mm stroke and a parallelism adjustment device; the ACS-4025D is the higher-force configuration with precision guide pillars, a pressure-holding cylinder and a safety light curtain.

SECTION II

Core Advantages

— **Pneumatic punching force** ACS-4025P: 28 kN on a 0.7 MPa air source; ACS-4025D: 5.3 t at 0.6 MPa.

— **100 mm stroke (ACS-4025P)** Press plate Ø150 mm over a 300 × 200 mm workbench with a 150 × 200 mm nylon board.

— **Pressure hold and light curtain (ACS-4025D)** Cylinder pressure-hold and a safety light curtain.

— **Parallelism adjustment (ACS-4025P)** A parallelism adjustment device allows a surface flatness deviation of ±2 mm.

— **Precision guidance (ACS-4025D)** Precision guide pillars with self-lubricating copper bushings, and hard-chrome upper and lower platens.

— **Materials (ACS-4025P)** The ACS-4025P punches rubber, plastic, films, leather and other special materials into standard test pieces.

SECTION III

Specifications

Technical data — ACS-4025P and ACS-4025D

Specifications	
Parameter	**Specification**
Brand	Polytevo Series by ACS Material
Product Name	Polytevo Series Pneumatic Punching Machine
Models	ACS-4025P (28 kN at 0.7 MPa) / ACS-4025D (5.3 t at 0.6 MPa)
SKU #	ERP7PPC1 / ERP7PPC2
Product type	Pneumatic specimen punching machine
Materials (ACS-4025P)	Rubber, plastic, films, leather and other special materials
Use	Punching standard test pieces for material testing machines

Model comparison — ACS-4025P / ACS-4025D

Model comparison		
Parameter	**ACS-4025P**	**ACS-4025D**
SKU #	ERP7PPC1	ERP7PPC2
Maximum force	28 kN (0.7 MPa air source)	5.3 t (0.6 MPa)
Stroke	100 mm	Confirmed on quotation
Workbench size	300 × 200 mm	320 × 420 mm
Press plate / platens	Ø150 mm press plate	Upper and lower platens, hard chrome
Nylon board size	150 × 200 mm	Confirmed on quotation
Air source	0.4–0.7 MPa	0.6–0.8 MPa
Guidance and safety	Parallelism adjustment device (±2 mm surface flatness deviation allowed)	Precision guide pillars with self-lubricating copper bushings; cylinder pressure-hold; safety light curtain
Overall dimensions	H757 × D431 × W363 mm	About 550 × 680 × 980 mm
Weight	Confirmed on quotation	About 255 kg
Configuration	Main frame; nylon base board	Confirmed on quotation

ACS-4025D force and utilities

ACS-4025D force and utilities	
Parameter	**Specification**
Force at 0.6 MPa	5.3 t
Force at 0.5 MPa	4.5 t
Force at 0.4 MPa	3.5 t
Force at 0.3 MPa	2.6 t
Force at 0.2 MPa	1.7 t
Power supply	AC 220 V ±15%, 20 W
Air-hose port	Ø12 mm
Installation	Single-phase AC 220 V, reliable grounding; level floor with caster brakes locked; at least 60 cm clearance around the machine

Scope of delivery

— **Standard configuration:** the punching machine (main frame) and the supplied board or platens for the selected model.

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

SECTION IV

Applications

For punching standard test pieces for material testing; the ACS-4025P punches rubber, plastic, films, leather and other special materials.

Product value: compressed-air punching of test pieces at up to 28 kN at 0.7 MPa (ACS-4025P) or 5.3 t at 0.6 MPa (ACS-4025D).

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