

Model : SC-3415

AUTOMATIC PRESS CUTTING MACHINE



Outline

This device automatically punches five dumbbell No. 3 (JIS K6301 / JIS K 6251) test pieces from a slab sheet measuring 150 mm x 150 mm and having a thickness of 2 mm. By replacing the cutter unit, various types of test pieces can be punched out such as different types of dumbbell-shaped and crescent-shaped ones. It is a compact size desktop automatic sample cutting machine.

Features

- Slab sheets can be set on the stocker for fully automatic conveying and punching.
- Various dumbbell and crescent-shaped samples can be punched by replacing the cutter unit.

Specifications

MODEL		SC-3415
Sheet Size		150 mm x 150 mm x 2 mm thick
Cutter Unit		Dumbbell-shaped No. 3 (replaceable blade type, other shapes can be made by order)
Punching Blade Drive System		Air cylinder (inner diameter 160 mm, stroke 20 mm)
Sample Stand Drive System		Sample transfer by an electric slider, maximum stroke 300 mm, lateral movement pitch 28 mm, maximum 5 punches
Operation		Operation by touch panel screen
Touch Panel (setting)		▪ START/STOP ▪ Select the number of samples (1, 2, 3, 4, 5) ▪ After punching is completed, it returns to the origin position (start position). ▪ When the air pressure drops, an error message will be displayed on the touch panel screen.
Safety Device		Emergency stop switch, door switch, leakage breaker, pressure switch, sample stand handle position sensor
Pressure Adjustment (0.2-0.6MPa)		Mist separator regulator (set to approx. 0.4MPa) * Alarm occurs when the air pressure is less than 0.2MPa or more than 0.6MPa
Utility	Power Supply	Single-phase AC100V 5A 50 / 60Hz
	Compression Air	Dry clean air, 0.3MPa or more, 8- mm dia. one-touch joint
	Usage Environment	▪ Indoor (contamination degree 2) ▪ Altitude 1,000m or less ▪ Ambient temperature 5-40 °C ▪ Ambient humidity 35-80% RH (no condensation) ▪ Overvoltage category II
Outer Dimensions		Approximately 580 (W) x 440 (D) x 450 (H) mm (excluding protrusions)
Weight		Approximately 65kg
Accessories		1) 1 power cable (2m) 2) 1 air tube (8-mm dia.) 3m 3) 1 set hexagon bar wrench set (GXBL-9S) 1 set 4) 4 each of spare blades (short blade, long blade) 5) 1 punching blade mounting jig 6) 1 resin base 7) 3 blade protection sheets (blue)



~ Simulate product testing in the lab ~

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