

DEEP DRAWING TEST SAMPLE PREPARATION MACHINE



TT-CTD-D60-SPM Deep Drawing Test Sample Preparation Machine is engineered for efficient and precise preparation of deep-drawn cup round samples.

Equipped with a pneumatic die feeder, it conforms to ISO 11531 : 2015, "Metallic Materials - Sheet and Strip - Earing Test, " enabling the production of 60mm diameter round discs from materials with thicknesses ranging from 0.15mm to 3mm.

Utilizing a single drive source, this machine delivers synchronized processing for high accuracy and productivity.

APPLICATIONS

Structural Features

The machine consists of the base, drive components, guide systems, pneumatic and electric control systems, and both upper and lower mold components. A pneumatic hydraulic booster cylinder powers the machine, with the lower mold positioned atop the base. Support parts extend from both sides, featuring guide grooves beneath. The upper mold component, which slides along guide columns, includes a foot switch to control the air path for the reversing valve. During operation, users can insert a 100mm-wide strip sample through the die and activate the blanking process with a simple foot switch.

TECHNICAL SPECIFICATIONS

Model	TT-CTD-D60-SPM
Working Pressure	250 KN (56202 lb.f)
Fast Forward Force	8.5 KN (1911 lb.f)
Return Force	6.6 KN (1484 lb.f)

Model	TT-CTD-D60-SPM
Piston Stroke (Total)	200 mm
Force Stroke	35 mm
Working Cycle	3.2 seconds per cycle
Downward Speed	100 mm/s
Pressure Holding Time	Adjustable
Operation Mode	Foot switch
Air Consumption	11 L per cycle
Air Source Pressure	0.7 MPa
Column Spacing	480 mm
Closing Height	380 mm
Dimensions (L x W x H)	950 x 400 x 1280 mm
Voltage	AC220V, 50Hz (110V also available upon request)
Net Weight	340 kg (749.5 lbs)



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