Product name:	Product code:
Powder Compaction Press Testing Machine with Die Set	CMI-IND-0325

Description

Hydraulic bench press with instrumented die for compaction studies of ceramic, metal and pharma powders. Measures green density versus pressure and ejection force. It is used to study how pressure affects density and strength of pressed compacts.

Technical specification

- Die set
- Punch set
- Release lubricant

Powder is filled in a die and pressed with a controlled force while the punch displacement is recorded. After compaction, ejection force and green compact dimensions are logged for powder metallurgy tests.

Features

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- Load cell and displacement logging
- Hardened steel die set 13 mm to 40 mm
- Programmed dwell
- Hand or motorised hydraulic pump
- Ejection force monitoring

Technical Specifications

Capacity	300 kN
Pressure accuracy	+/-1%
Die sizes	13, 25, 40 mm
Stroke	60 mm
Display	digital load and position
Test piece	Cylindrical compact or TRS bar
Power	230 V AC, 50 Hz
Standards	ISO 3927, ASTM B331, MPIF 45

Standard Accessories