

Technical data sheet

Automatic Laboratory Powder Press Series

PT-PA offers programmable laboratory pressing in five nominal load configurations. Pressure application, timed holding and release are controlled as a sequence; select the load class and working space together rather than treating all variants as one configuration.

Key features

- Programmable pressing, pressure hold and timed release
- 4.3-inch LCD with pressure conversion based on die diameter
- Protective enclosure with acrylic door and travel-limit release

Technical Information

Timer setting	0-999 s			
Power supply	220 V / 50-60 Hz			
Nominal press rating	Maximum piston stroke	Working space (M × N)	Dimensions (L × W × H)	Weight
20 t	40 mm	175 × 160 mm	280 × 460 × 530 mm	140 kg
30 t	40 mm	175 × 160 mm	280 × 460 × 530 mm	140 kg
40 t	50 mm	175 × 180 mm	280 × 460 × 550 mm	150 kg
60 t	50 mm	185 × 220 mm	300 × 520 × 580 mm	180 kg
100 t	50 mm	185 × 250 mm	330 × 580 × 620 mm	240 kg

Configuration

Select one load configuration from the comparison table. The press has a protective enclosure; dies and ejection tooling must be matched to the sample and confirmed in the quotation.

Settings include upper and lower pressure limits, holding time and die diameter. During the timed hold, the system restores pressure when it falls below the lower setting and releases pressure at the end. A separate ejection function and travel-limit release are described. Confirm tooling, interface language and the operating manual for the selected configuration.

Applications

Repeatable laboratory powder compaction and pellet preparation. The nominal press load is distinct from the pressure applied to the specimen through its die area.

Selection / Ordering Information

Confirm the exact configuration, sample requirements, accessories and electrical supply in the quotation. Request the required calibration or validation documents separately.

Review the configuration with PRECETTA before ordering.