



AUTOMATIC PELLET PRESS BP40

A stable and high-quality tablet is a crucial prerequisite for XRF analysis. Pellet press instruments are also widely used in the pretreatment of samples for NIR and ICP analysis.

The automatic pellet press BP40 produces robust tablets with a smooth surface. You can adjust the pressure, and various sizes of steel rings are available depending on the application.

APPLICATIONS

Application

1. Minerals
2. Cements
3. Residuals
4. Glass, and
5. Ceramics.

Working principle

To create the tablet, first, place the finely ground powder samples into the designated stainless steel ring. Then, move the ring with the samples underneath the press plunger and initiate the pressing process. As pressure gradually builds up, the powder's density increases. The maximum pressure is maintained for a specific duration to enhance the adhesive forces between particles, ensuring the tablet's maximum stability.

FEATURES

1. Touchscreen display
2. User-friendly and safe operation
3. 10 Standard Operating Procedures (SOPs) available
4. Capable of pressing extremely hard samples
5. Maximum press capacity of 400 kN (equivalent to 40 tons)
6. Compact benchtop size, saving workspace
7. Digital display for easy control, including pressure, pressing time, and releasing time settings
8. Suitable for various pellet sizes, with stainless steel rings available in inner diameters of 32mm/35mm and outer diameters of 40mm/51.5mm

TECHNICAL SPECIFICATIONS

Electrical Parameters	
Rated voltage	220VAC, 50/60Hz (110V is also available)
Rated power	490W
Maximum current	2.4A
Pressure force range	0.3-40T
Instrument Dimensions	
Height	575mm
Width	380mm
Depth	550mm
Weight	120kg



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