



PELLET PRESS PP 40

Solid, high-quality pellets are an important precondition for reliable and meaningful XRF analysis. With the PP 40, RETSCH offers a pellet press which produces strong **pellets with a smooth surface**.

The PP 40 features an **individual pressure force regulation in the range of 0 to 40 t**. The PP 40 combines the advantage of a **small benchtop model** with high press forces, which are built automatically in **up to three steps**, ensuring that **even difficult materials are pressed perfectly**.

PRODUCT ADVANTAGES

- | benchtop model with small footprint
- | individual pressure force adjustment up to 40 tons
- | pressing in steel rings, aluminium cups and free
- | pressing tools for various diameters
- | 10 SOPs can be defined and stored for routine applications
- | comfortable parameter setting via display
- | automatic pressure force control

APPLICATION EXAMPLES

cement, minerales, ores, raw materials, slag, ...

FUNCTIONAL PRINCIPLE

The steel ring or aluminium cup is inserted in the pressing tool of the PP 40 and filled with the sample material via a hopper. The complete slide is then pushed beneath the pressure plate and the pressing is started.

During pressure build-up the density of the powder increases. The maximum pressure force must be held over a certain period of time to allow full development of the interparticulate adhesive forces thus guaranteeing maximum stability. Pressing in up to three steps with e.g. increasing pressure force results in stable pellets.

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TECHNICAL DATA

Applications	preparation of pellets for spectral analyses
Field of application	chemistry / plastics, construction materials, environment / recycling, geology / metallurgy, glass / ceramics
Max. pressure	40 t, automatic press
Pressure force	0 - 40 t (0 - 343 kN)
Pressure force increase / holding / decrease time	fix ramp / 1 - 99 s / fix ramp
Parameter combinations	10
Steel rings (external Ø / internal Ø)	40 mm / 32 mm (max. pressure force 15 t) 40 mm / 35 mm (max. pressure force 15 t) 51.5 mm / 35 mm (max. pressure force 30 t)
Aluminium cup (external Ø)	32 mm (max. pressure force 25 t) / 40 mm (max. pressure force 40 t)
Electrical supply data	100-120 V, 50/60 Hz; 220-240 V, 50/60Hz
Power connection	1-phase
W x H x D	335 x 495 x 570 mm
Net weight	120 kg
Standards	CE

www.retsch.com/pp40