



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, ...

FEATURES

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

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.

www.retsch.com/pp40

ORDER DATA

(please order pressing tool separately)




20.757.0001



















PP 40

220-240 V, 50/60 Hz

EVACUABLE PRESSING TOOLS FOR PELLET PRESS PP 40

22.458.0018		Pressing tool for steel rings 40 mm outer Ø, 32 mm inner Ø
22.458.0019		Pressing tool for steel rings 40 mm outer Ø, 35 mm inner Ø
22.458.0028		Pressing tool for steel rings 51.5 mm outer Ø, 35 mm inner Ø
22.458.0020		Pressing tool for aluminum cups Ø 32 mm (also suitable for free pressing)
22.458.0021		Pressing tool for aluminum cups Ø 40 mm (also suitable for free pressing)

ACCESSORIES PP 40

22.458.0003			Steel ring 40 mm outer Ø, 32 mm inner Ø, 1 piece
22.458.0004			Steel ring 40 mm outer Ø, 35 mm inner Ø, 1 piece
22.458.0004			Steel ring 51.5 mm outer Ø, 35 mm inner Ø, 1 piece
22.005.0001			Aluminum cups, sloping walls, for pellets with 32 mm diameter, 1000 pieces
22.005.0002			Aluminum cups, sloping walls, for pellets with 40 mm diameter, 600 pieces
22.458.0006			Aluminum cups, straight walls, for pellets with 40 mm diameter, 1000 pieces
22.868.0003			Funnel tube with tamper for aluminum cups Ø 32 mm and Ø 40 mm
22.458.0025			Extraction tool 56 x 32 mm
22.440.0001			Licowax [®] C micropowder, 250 g (not for steel rings)
22.440.0003			Spektromelt [®] C20, cellulose tablets, 1 kg