

Laboratory press PE-MAN

Manual hydraulic press for sample preparation

- Compact benchtop machine for X-ray and IR sample pelletising
- Simple, one-button operation and maintenance free
- Convenient wide space for die set positioning and removal
- Custom designed with adjustable pressure up to 200 kN
- Robust construction and solid steel housing
- Secure working chamber with removable safety windows
- Working angle of lever arm adjustable to suit individual users

Technical specifications:

Instrument dimensions (L x W x H)	375 x 190 x 500 mm
Mass	approx. 36 kg
Available pressure	200 kN (20 t, metric)
Height between spindle and piston	max. 175 mm
Width between supporting columns	130 mm
Spindle adjusting range	120 mm
Available piston stroke	20 mm
Volume of hydraulic oil	approx. 2 l



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Accessories for presses and pellet production

Die sets

Die set, stainless steel, hardened

2 polished press plates (stainless steel or tungsten carbide), knock out tool

CHX 4030	32 mm
CHX 4038	35 mm
CHX 4040	40 mm
CHX 4047	45 mm



Die set, Stainless Steel, European made

Evacuatable model with two plates

Lightweight model without plates.

PRESS-MX-series in 32 and 40 mm



Die set, tool steel, hardened

4 polished press plates, funnel, knock out tool in plastic tool carrier

PRESS-HKPW32	32 mm
PRESS-HKPW40	40 mm



Protective die pellet film

- Protect die pellet surface
- Minimize sample particle adhesion
- Avoid cross contamination
- Reduce time-consuming clean-up

CHX-7032	32 mm
CHX-7040	40 mm



Grinding and pressing additives

CHX 600	X-Ray Mix, powder, 454 g-btl., briquetting additive, plasticising.
CHX 625	X-Ray Mix, 0.25 g-tabl., 500 tabl./btl., briquetting additive, plasticising.
CHX 650	X-Ray Mix, 0.5 g-tabl., 500 tabl./btl., briquetting additive, plasticising.
CHX 660	SpectroBlend, 44 µm powder, 454 g-btl., grinding additive preventing caking slightly plasticising.
CHX 9000	SpectroMix, Pulver, 454 g-btl., combines the properties of SpectroBlend and X-Ray Mix.
PRESS-HWC	Wax-micro powder (Hoechstwachs C or Licowax), packing unit 1 kg bottle or 20 kg bag.
PRESS-SPECTAB	Grinding and pressing additive, 0.3 g tablets, smallest packing unit 1,000 tablets/btl., cellulose basis, bonding properties.

Compressible sample cups (aluminium)

Tapered for improved stability, handling and labelling

	Description	Height	Packing unit
CHX 505	32 mm aluminium cups	7.6 mm	1,000 pieces
CHX 535	35 mm aluminium cups	8.9 mm	600 pieces
CHX 545	40 mm aluminium cups	9.1 mm	600 pieces
CHX 547	45 mm aluminium cups	9.1 mm	500 pieces
CHX 513	NEW 13 mm aluminium cups	8.7 mm	250 pieces
BL 40	40 mm aluminium cups	11.7 mm	1,000 pieces



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