Electro-hydraulic press PE-EL

Electro-hydraulic press for routine 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

Technical data:

| Power supply | 230 V, 50/60 Hz, 600 VA | | |
|-----------------------------------|-------------------------|--|--|
| Instrument dimensions (L x W x H) | 470 x 190 x 500 mm | | |
| Mass | approx. 50 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. 3 I | | |

^{*}For certain applications, this press is available at size 5 tonnes/10 tonnes.



Excellence through measurement



Accessories for presses and pellet production



Excellence through measurement

Die sets

Die set, stainless steel, hardened

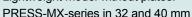
2 polished press plates (stainless steel or tungsten carbide), knock out tool

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



Die set, Stainless Steel, European made

Evacuable model with two plates Lightweight model without plates.





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 q-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 |



For more information or to view our reference materials visit www.lgcstandards.com