

FLUXANA

Your supplier for
XRF Application Solutions

HD ELEKTRONIK

Fusion machines

Pressed Powder Technique

We supply you with
every tool you need:

- Press
- Die
- Filling tool boric acid
- Alu cups
- Pelletfilms
- Binder



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Official agent



The Press

- Max pressure 15 / 25 tons, electrical 25 / 40 tons
- Pressure display 0-20t / 0-30t / 0-40t
- Piston 108mm
- Bolster Screw diameter 30mm
- Bolster Screw Travel max 90mm
- Minimum distance between pressing faces 35mm
- Maximum distance between pressing faces 125mm
- Area size D310 x W290mm
- Weight 50,5kg, electrical 60kg

The Die

The Dies are designed for use with our Hydraulic Presses.

Halide disks for infrared analysis are usually produced with the smaller size dies.

The larger size dies are commonly used in briquetting samples for XRF and XRD analysis and many other industrial applications.

All of the dies are equipped with nitrile O-ring seals and 2 pellets in between the sample is pressed.



Filling tool for boric acid pellets

Especially for low quantities of samples a boric acid backing might be a solution.

To place the sample in the center we offer a special tool to pour the sample into the die.

A piston helps to press before filling the boric acid on top.

Part No.	Description	
PR-15*	Hydraulic press 15t	manual
PR-25*	Hydraulic press 25t	manual
PR-25a*	Hydraulic press 25t	electric
PR-40	Hydraulic press 40t	electric

* for pelletizing a die is required additionally

Part No.	Description
PR-CD-6008	Die with 2 pellets and piston 8
PR-CD-6012	Die with 2 pellets and piston 12
PR-CD-6016	Die with 2 pellets and piston 16
PR-CD-6020	Die with 2 pellets and piston 20
PR-CD-6024	Die with 2 pellets and piston 24
PR-CD-6027	Die with 2 pellets and piston 27
PR-CD-6032	Die with 2 pellets and piston 32
PR-CD-6040	Die with 2 pellets and piston 40
PR-SSP-61xx*	Spare pellets xx

other diameters on request

* Please choose the needed size.

Part No.	Description
PR-CD-BA32	Filling tool boric acid 32
PR-CD-BA40	Filling tool boric acid 40



Alu Cups

Alu cups are used to stabilize your sample from 2 sides. However for a succesful use the sample must show at least some binding properties. Another advantage of this method is the possibility of labeling and sucking with autosamplers.



Part No.	Description	Quantity
AC-530-1	Alu cups straight wall 30mm x 8mm for 31mm pellets	1.000 pcs
AC-538-6	Alu cups straight wall 38,5mm x 9,5mm for 40mm pellets	600 pcs
AC-532-1	Alu cups taper wall 31mm x 7,9mm for 32mm pellets	1.000 pcs
AC-540-6	Alu cups taper wall 39,8mm x 9,2mm for 40mm pellets	600 pcs
AC-550-6	Alu cups taper wall for 40mm x 7mm for 40mm pellets	600 pcs

Pelletfilm

The use of the new pelletfilm allows also to press polymers using a standard die and press. It is not necessary to buy a hot press.

Please ask for more details.

Part No.	Description	Diameter mm
PF-32500	Pelletfilm 500 pieces	32
PF-40500	Pelletfilm 500 pieces	40



Binder

Wax is good for the preparation of reference samples or calibration standards. Important is a good homogeneous mixture between wax and your sample.

Multimix is good for the preperation of cement, raw meal, clinker, sand, etc. You just add 2-3 pellets before milling your sample and you will get a nice stable dustfree pellet.

Part No.	Description	Quantity
BM-0001-1	Boric acid p.A. powder	1 kg
BM-0001-5	Boric acid p.A. powder	5 kg
BM-0002-1	Hoechstwax powder for XRF	250 g
BM-0003-1	Cellulose C20 tablettts a 0,33g	1 kg
BM-0003-5	Cellulose C20 tablettts a 0,33g	5 kg
PXR-225	Multimix tablettts a 0,25g	125 g
PXR-225-1k	Multimix tablettts a 0,25g	1 kg

