

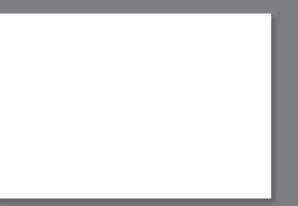
Your supplier for **XRF Application Solutions**

Pressed Powder Technique

We supply you with every tool you need:

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

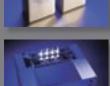




Official agent

FLUXANA GmbH & Co. KG

HD Elektronik und Elekt









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 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.



| 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.

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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 | Diame 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 | Quan |
|------------|--------------------------------|------|
| BM-0001-1 | Boric acid p.A. powder | 1 |
| BM-0001-5 | Boric acid p.A. powder | 5 |
| BM-0002-1 | Hoechstwax powder for XRF | 25 |
| BM-0003-1 | Cellulose C20 tabletts a 0,33g | 1 |
| BM-0003-5 | Cellulose C20 tabletts a 0,33g | 5 |
| PXR-225 | Multimix tabletts a 0,25g | 12 |
| PXR-225-1k | Multimix tabletts a 0,25g | 1 |

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-CD-BA32 | Filling tool boric acid 32 |
| PR-CD-BA40 | Filling tool boric acid 40 |
| | |









ntity

1 kg 5 kg 50 g 1 kg 5 kg 25 g 1 kg

