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Pressing and  
Pelletizing

# BenchPress® X-Press®

## IDEAL FOR REPETITIVE PRESSING OF SAMPLE PELLETS



Ideal for repetitive pressing of sample pellets for XRF, IR and other analytical techniques. Typical samples include: Cements, Rocks, Minerals, Soils, Ceramics, and Pharmaceuticals.

### 3628 Air-Actuated Bench-Press:

- ■ Air-actuated manually controlled laboratory press.
- ■ 25-ton (22.7 metric ton) maximum pressure is ideal for pressing sample pellets.
- ■ Compact design is ideal for laboratory bench top applications.
- ■ Patent air-actuation system combines ease of use of a motorized press with the simplicity of a manual press.
- ■ Single push-button operation.
- ■ Pressure is measured with a dial and the pressure control valve can be set to produce repetitive, reproducible pressures.
- ■ Neither hand-pumping nor electric hook-up is required.
- ■ Can be operated off an air compressor or a tank of compressed air.



### 3635 Automated X-Press:

- ■ Unique programmable laboratory press.
- ■ 35-ton (31.8 metric ton) hydraulic press ideal for repetitive pressing of sample pellets.
- ■ Automation improves sample uniformity, consistency and throughput.
- ■ Program allows the technician to enter final pressure desired, time to hold at the final pressure, and interval to return back to zero pressure.
- ■ Typical pressing is less than two minutes.
- ■ Safety interlock and automatic pump shut-off safety valve ensure safe operation.

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#### End users:

- ⋮ Users of spectroscopic techniques such as XRF instruments.
- ⋮ Universities (Geology, Material Science and Engineering Departments).
- ⋮ Industrial Laboratories (Cement, Minerals, Soils and Ceramics) requiring analysis or processing pelletizing samples.
- ⋮ Rock Labs.
- ⋮ Pharmaceutical companies.

#### Accessories:

- ⋮ Spec-Caps®: Shallow, thin-walled aluminium cups which are routinely used to produce pressed-powder sample discs for OES and XRF.
- ⋮ Pellet Die Sets
- ⋮ Sleeve and Plunger

#### Prep-Aid® Binding Agents:

Ideal for samples which crumble or ablate after pressing.

- ⋮ Cellulose Binder - (150g or 450g)
- ⋮ UltraBind - (150g or 450g)
- ⋮ Paraffin Binder - (150g or 450g)



Accessories sold separately.



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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

