

3636
X-Press[®]

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AUTOMATED, HYDRAULIC LABORATORY PRESS



The 3636 X-Press[®] is a 35-ton (31.8 metric ton) hydraulic laboratory pellet press that is ideal for accurate and repetitive pressing of sample pellets for XRF, IR and other analytical techniques.

TYPICAL SAMPLES

Cement, Rocks, Minerals, Soils, Ceramics, Glass and Pharmaceuticals

FEATURES & BENEFITS

- • Compact bench top design
- • Presses samples in minutes and accepts all standard die sets.
- • Programmable LCD touch screen interface.
- • Programmable parameters include pressure, dwell time and release time.
- • Safety features include a safety interlock that holds the door of the chamber in a locked position during operation. Also features an automatic pump shut-off safety valve.



SPEX[®] **SamplePrep** 
www.spexsampleprep.com



1. Safety door and interlock with automatic pump shut-off safety valve.
2. Adjustment screw secures the loaded sample die placed on top of the platen.
3. Platen where die with sample is placed.
4. Touch-screen display allows user to enter maximum pressure, hold time, and release time for automated runs, start and stop press, or select manual mode.
5. Handle and handwheel moves the adjustment screw to secure the sample.
6. Access panel can be removed to fill the oil reservoir or check the oil level.
7. Manual pressure relief valve used to release the hydraulic system pressure in an emergency or for system maintenance.

X-PRESS ACCESSORIES

PELLET DIE SETS



Evacuable pellet die sets are available from 10 to 40 mm diameter. Set includes evacuable die body, base, plunger, two polished steel pellets, O-ring vacuum seals, and knock-out ring for sample disk extraction.

BINDERS



Paraffin and cellulose binders are ideal for samples which crumble or ablate after pressing. They blend quickly and completely with samples at 10-20% by weight to form XRF sample disks.

SPEC-CAPS®



Shallow, thin-walled aluminum cap for reinforcing XRF pellets. Commonly used in the production of pressed power sample disks for XRF but also used for OES and other analytical techniques.

SLEEVE-AND-PLUNGER SET



Used with the **Evacuable Pellet Die Set** and any **PrepAid®** sample binder. Allows easy preparation of XRF disks with binder matrix supporting a layer of sample.

Visit www.spexsampleprep.com/xpress for the full range of accessories.

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