

Automatic Hydraulic Press 40 tons

BENCH MOUNTED ELECTRO-HYDRAULIC PRESS FOR PREPARING POWDER SAMPLES FOR X-RAY FLUORESCENCE ANALYSIS.



Power: 240V, 50Hz single phase 400W

Bench:

Area: 760mm wide by 600mm deep.

Construction: to support 150kg.

Depth =352mm

Width =500mm

Height =706mm

Designed with operator safety in mind. Downward movement of the hydraulic ram is initiated by two push buttons, one on each side of the press unit. These have to be actuated in unison thereby requiring both hands of the operator to be occupied out of the harms way.

The Automatic Hydraulic Press 40 tons is a bench mounted, two piece, high pressure, electro-hydraulic actuated press for laboratory use in the preparation of the pressed powder samples for X-Ray fluorescence analysis. It is made up as a press unit and a separate 240 volt, single phase, electro-hydraulic powder pack. The press unit is designed for free standing on the customer's bench top with the separate power pack placed within a 3 metre hose length of the press unit. The most frequently used location for the power pack is in the bench area beneath the press unit. These have to be actuated in unison thereby requiring both hands of the operator to be occupied out of harms way. The unit moves in to "automatic" mode once the press has closed, allowing the unit to run unattended to complete its cycle automatically. The automatic cycle assures each sample is subjected to the same pre-set pressure for the same time span...giving optimum repeatability, automatically.

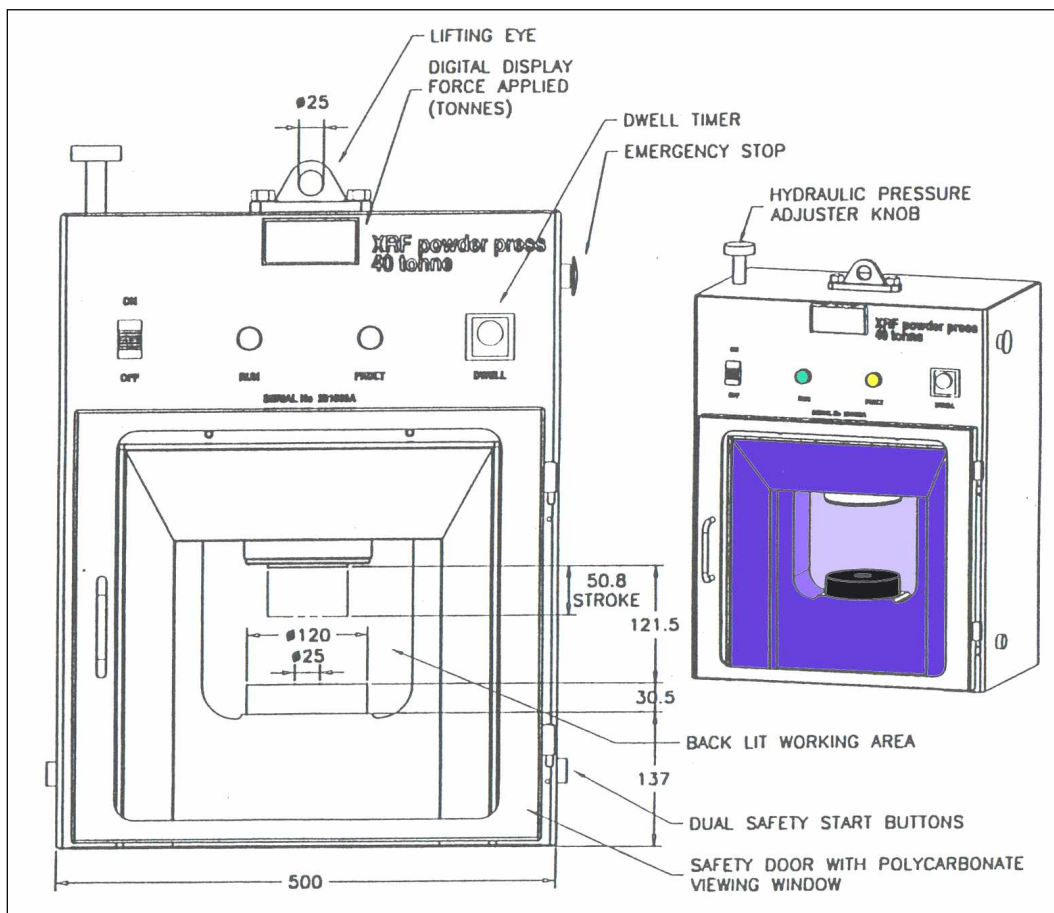


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This adjustable to 40 tonne model is also provided with a see-through polycarbonate safety door to the pressing area which is interlocked to prevent the press from operating while the door is open.



Evacuatable Pellet Die Complete 13, 20, 32 or 40mm dia.

We provide a wide range of 440C hardened stainless steel Evacuatable Pellet Dies, used for compacting powdered samples into disks or briquettes.

The dies are designed for use with the 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 an evacuation port to allow for the removal of moisture, if desired, during the pressing process.



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