



Die Doors



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Designed for Stampers by Stampers

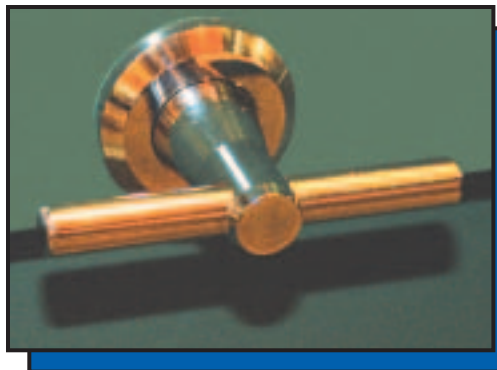
Are you concerned with the overall safety aspect of your press room? Are you having problems with containing and controlling die lubricant around your press? Then consider PAX Die Doors as a part of the solution. Like other PAX products, the PAX Die Door was developed by our own stamping company. The doors are also designed to satisfy many aspects of press room efficiency . . . **Press Operators** ~ simple to operate, well balanced doors made for easy opening and closing. **Die Maintenance & Set-up** ~ doors install close to the press to allow personnel easy access for maintenance and set-up of dies. **Facility Maintenance** ~ doors have no lubrication requirements and are designed to be easily removed in the event that the press requires repair or maintenance. **Company** ~ doors are designed for quick and simple installation. They also assist in controlling die lubricants and provide a point-of-operation barrier.

Lightweight, durable nylon pulleys are provided with steel roller bearings. No lubrication is required. Pulleys work in conjunction with heavy-duty cables and enclosed counter balance weights.

Mounting plates include a machined channel that guides the Delrin® rollers. Holes are located within the channel providing a means for the safety pins to positively lock the door in place.



The manually operated door is equipped with an ergonomically-designed, low tension, spring-loaded T-handle for easy opening. The handle works in conjunction with a cable and pin that provides additional safety in the unlikely event of a counter balance cable break.



A state-of-the-art safety interlock switch is provided to interface the doors with the press control circuit.



The door's mounting plates are designed for a quick and simple bolt-on installation. A template is provided to easily locate the mounting holes.



Equipped with die lubricant troughs to provide a means to reclaim excess lubricant captured in the base of the door.

Patent Pending

Note: Die doors are designed to be a point-of-operation barrier and are not intended to stop projectiles.

Large, sealed polycarbonate windows for easy viewing of the die area. Window mount design allows for quick and simple window replacement.



MANUAL OPERATION



By first turning the T-handle 90 degrees to unlock, the manually-operated door can then be raised and lowered. When the door is at or near the desired height, release the T-handle and continue moving the door until it locks into position.

Die Door shown on a 1200 ton press with a 204" bed width.

The Pax Die Door can be designed to stop at a specified distance above the bolster to allow for the removal of scrap and parts.

Sheet metal may be cut to size and installed in the open areas between the bolster and the bottom of the door.



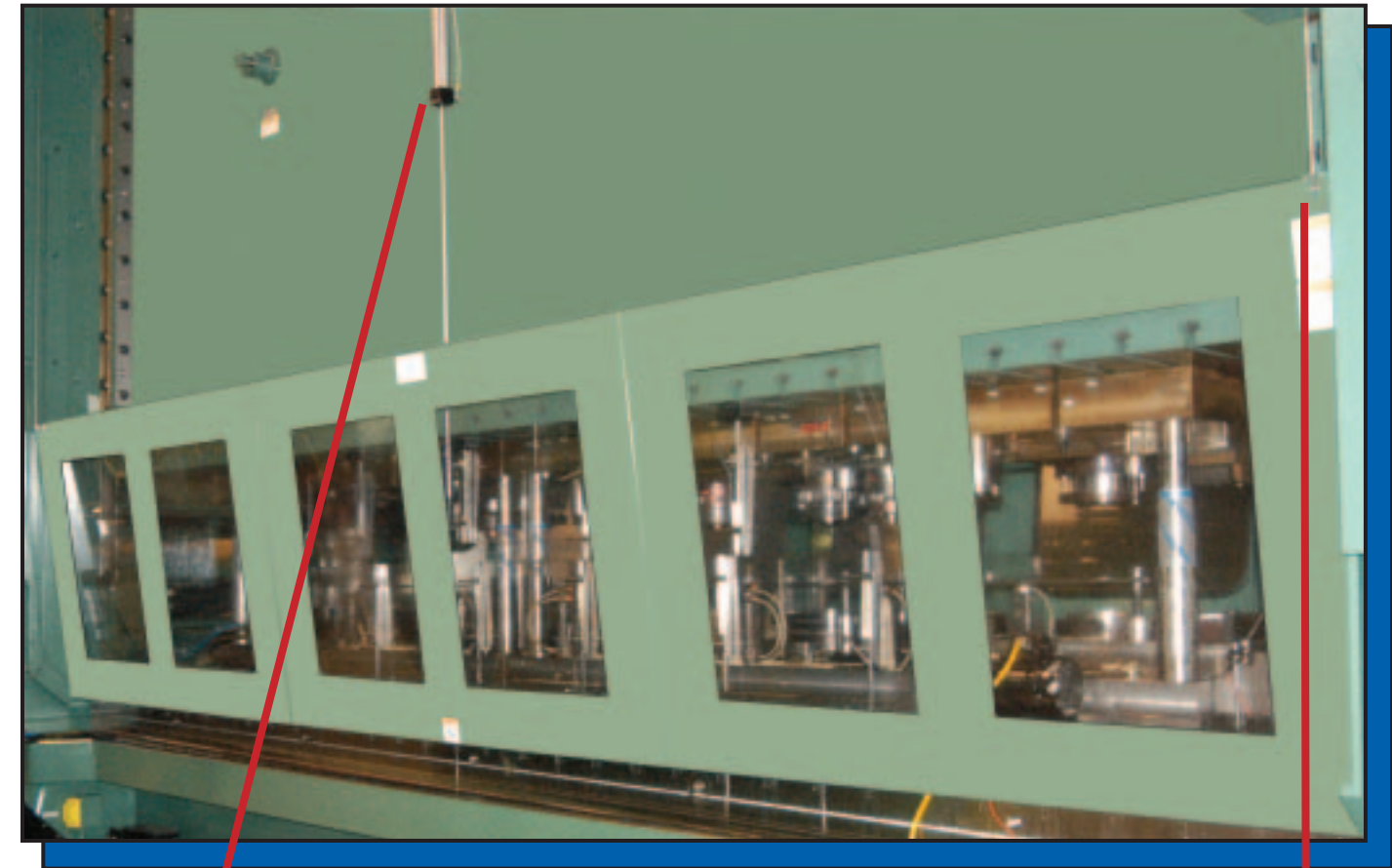
Note: *The area between the bolster and the bottom of the closed die door must be enclosed to meet proper safety guidelines. Failure to do so could result in serious injury to personnel.*



The Pax T-Slot Clamp is used to secure the sheet metal in place.



OPTIONAL "AIR ASSIST" OPERATION



The Pax Die Door Air Assist Option includes a single air cylinder which is operated by a selector switch to raise and lower the door. By utilizing the counter balance weights in conjunction with the air cylinder, minimal air pressure is required to operate the door. This translates into a safer and less complicated design. The Air Assist Option may be required for larger presses or applications that have a reach height that prevents the door from being completely opened manually.

Pax Air Assist Die Doors are equipped with an emergency door stop feature that provides additional safety in the unlikely event of a counter balance cable failure.

