



ATLAS TECHNOLOGIES

Atlas Technologies proven in-press die change products help you move, position and secure dies faster and more efficiently.



Quick Die Change Accessories

Products

Lif-T-Rol Die Lifters

These die lifters are designed to fit in T-slots (standard 1" ASA and DIN metric 22 mm) milled in a press bolster and will raise the die's subplate just enough to allow it to roll off the bolster with only minimal effort. Lifting capacity is 2000 lbs/ft (29.167 N/M). Non-powered rollers are mounted to a sturdy frame (one piece construction) with various lengths available.

Max-Rol Die Lifters

The heavy-duty brother of Lif-T-Rol, Max-Rol die lifters provide greater roller area for applications requiring up to 8,000 lbs/ft (116,668 N/M) lifting force. Max-Rols have minimal fittings and are easy to install.

Ledge Clamps

Atlas Ledge Clamps are designed to secure and position the bottom die subplate during press operation, with fast release of the subplate during die removal/changeover. The clamp unit is also a guide rail, ensuring accurate alignment of the subplate and die.

Bolster Extensions

Bolster Extensions act as a bridge to support the die and subplate as they are pulled out of the press and onto a die cart or other die transfer device. Three models designed for light, medium and heavy duty applications are available in fixed arm, removable arm or swivel mounted arm styles. Bolster Extensions can also be used to hold small dies (smaller tonnage presses) for pick up by fork trucks.

Dual Station Die Change Turntable



Atlas dual station die change turntables are ideal for low cost, light weight applications. The ability to pre-stage the incoming die on the portion of the turntable positioned to the outside of the press while the press is in production, allows for the fastest changeover permissible within a manual die change operation.

When die exchange is scheduled and unclamping of the outbound die has transpired, the operator will activate the air operated die lifters, raising the subplate mounted die into position for removal. The operator will then push the exiting die onto the empty station of the die turntable and lock the safety latch to hold die in position during rotation.

The operator will rotate the die turntable 180 degrees, bringing the new subplate mounted die into position at the press, remove the safety latch and roll the new die into the press.

The outbound die may be removed by crane or remain on the die change turntable as desired. As an added feature, the die change turntable may also be locked into position at 90 degrees to free up space for access to the press.

Atlas Dual Station Die Change Turntables have been designed to effectively manage two subplate mounted dies weighing up to 5,000 pounds combined. For larger applications, please consult the factory.

Clamp-N-Stamp

Atlas Technologies is pleased to announce the addition of Clamp-N-Stamp, our full line of magnetic die clamping systems. Unlike traditional traveling, hydraulic powered mechanical clamps, Clamp-N-Stamp requires no machining for T-Slots and will accommodate virtually any incoming die without modification.

Additional Clamp-N-Stamp features are:

Immune to Power Failures

- The magnetic clamps do not require a maintained power source during operation.
- No back-up system is required

Easy to Install

- Mechanically attach magnetic clamps to ram
- Install wire runs from ram to magnet controller
- Wire interlocks from magnet controller to press controller
- Provide raw power to the magnet controller

Improved Safety

- Interface with the press assures that the press is at BDC (bottom dead center) and the press is in die change mode before magnets can change state
- Unintended separation of the ram from the upper die is detected at .007" from ram, providing an E-stop condition to the press
- There are no mechanical devices that can break during an over load condition

Quick Attachment

- One to three second die clamping

