

## Why ERIE Press Systems

More than 115 years ago, ERIE Press Systems began building a line of steam and board drop hammers. Since then, our name has come to represent the standard for quality and reliability in forging equipment. The systems we design and build today are unmatched in precision, durability and affordability.

Just as we call upon more than a century of expertise, we focus on the future for opportunities to introduce greater product performance to meet customer's changing needs. Every day, we are exploring emerging technologies, as well as working on cooperative research and development projects, analyzing how such efforts can enhance our product offerings. Our ultimate goal: delivering higher productivity and increased flexibility to customers. As you look to the future, look to ERIE Press Systems to shape the things to come.



## Our Products

- Mechanical Forging Presses
- Hydraulic Forging Presses
- Isothermal Forging Presses
- Preforming Presses
- Carbon Extrusion Presses
- Cold Extrusion Presses
- Extrusion Stretch Forming Machines
- Sheet Stretch Forming Machines
- Compacting Presses
- Composite Molding Presses
- Custom Engineered Presses
- Parts and Service
- Contract Machining



1253 West 12th Street  
Erie, Pennsylvania 16512 USA  
Phone 814 455-3941  
Fax 814 456-4819  
[www.AjaxErie.com](http://www.AjaxErie.com)

ISO 9001:2008 Certified Co.

## Presses and Products for the Forging Industry





# Mechanical Forging Presses

Scotch Yoke Mechanical Forging Presses provide greater off-center loading capability than other designs. The exclusive Scotch Yoke ram drive incorporates a square ram box with flat, sliding blocks driven by industry's widest eccentric shaft. Full width, flat, face-to-face bearing surfaces for the lowest unit bearing load makes ERIE MFP's the most reliable mechanical forging presses available today. Because the eccentric is enclosed in the ram, there are no pitman arms or connecting rods. Consequently, the frames are shorter and therefore more rigid than others. More rigid means less press stretch and more forging precision. These presses are used for hot, warm, or cold closed die precision forging applications.



4,000 ton Forging Press

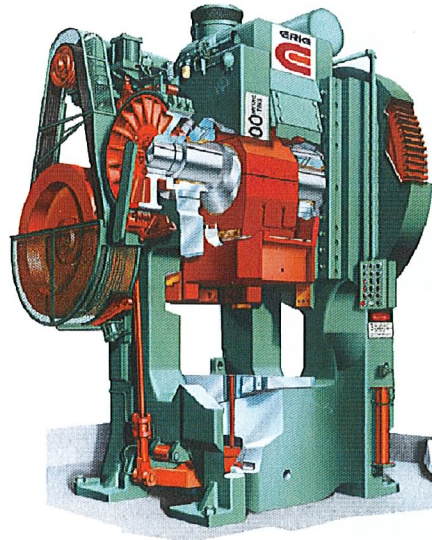


800 ton Mechanical Trim Press



6,000 ton Automated Forging Press System

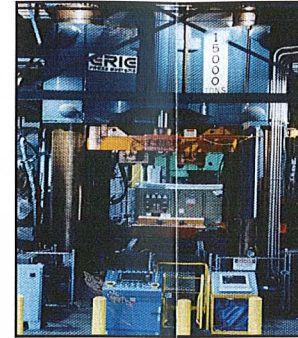
# Forging Presses Up to 15,000 tons



Mechanical Forging Press

# Hydraulic Forging Presses

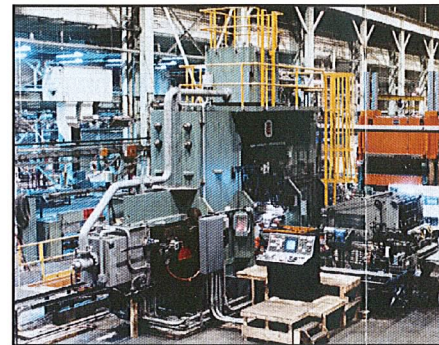
Hydraulic Forging Presses offer both productivity and flexibility. Today's hydraulic control systems operate much faster than older control systems, in some cases, approaching mechanical press speeds. Variable speed, strain rate, stroke, and tonnage achieved with hydraulic presses allow forging more part configurations in a variety of size and material specs in one, two, three or more die stations. These presses can be designed specifically for hot, warm, or cold forging, as well as upsetting and extrusion, preforming, or precision flashless forging.



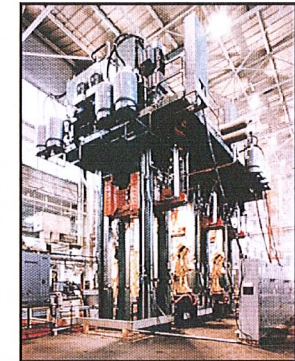
15,000 ton Isothermal Forging Press



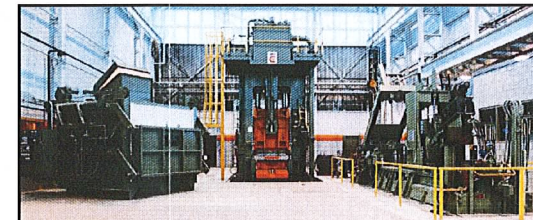
1,000 ton Cold Forging Press



1,500 / 750 / 750 Ton Triple Acting Extrusion Press



800 / 800 / 400 ton Ordnance Forging System with robotic part transfer



1,200 ton Ring Preforming Press

Mechanical

Hydraulic



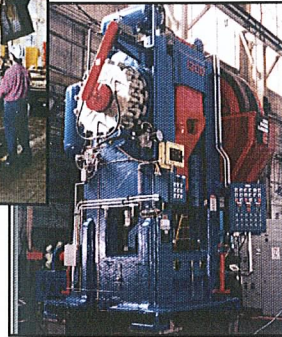
# Remanufacturing, Enhancements and Repair

Capabilities include extensive experience with hydraulic wedges, hydraulic knockout, custom controls and updated lube systems. To satisfy diverse requirements, a variety of customization and productivity enhancements options are offered. Whether it's a functionally obsolete press or one from ERIE's used inventory, it can be returned to "like new" condition.

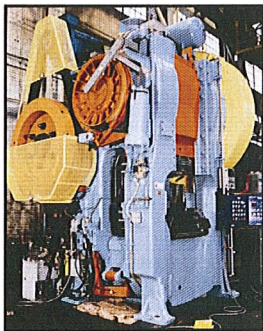
Before



After



4,000 ton Ajax retrofitted with hydraulic wedges and knockouts, controls and updated lube system.



2,500 ton ERIE press retrofitted with hydraulic wedges and knockouts, controls and updated lube system.

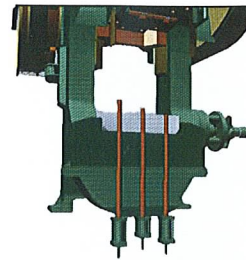
When it comes to remanufacturing or retrofitting presses, no other company has the diverse capabilities ERIE Press Systems has. ERIE is uniquely qualified to rebuild or retrofit any type of hydraulic or mechanical press, hammer or related equipment.



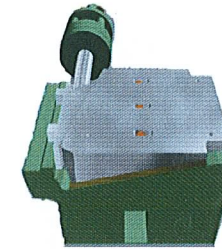
3,800 ton Bliss rebuild with robots



Updated controls, less down time and shorter trouble shooting time. Touch screen operator panel for tonnage monitoring, production data, and fault messaging, able to interface with your MRP system.



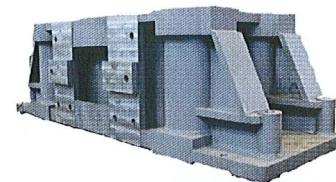
Hydraulic Knockout system with time delay



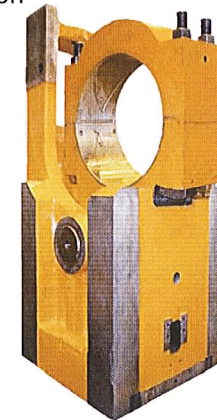
Add a Hydraulic Wedge package for faster set up times. Less down time more production



Ram for a National press



Hydraulic Press replacement base



Ram for an Ajax press

- Hydraulic speed change
- Energy efficient pumps and motors
- Robots
- Quick Die Change
- Sliding bolsters
- Upper Die rotators

Remanufacturing

Enhancements

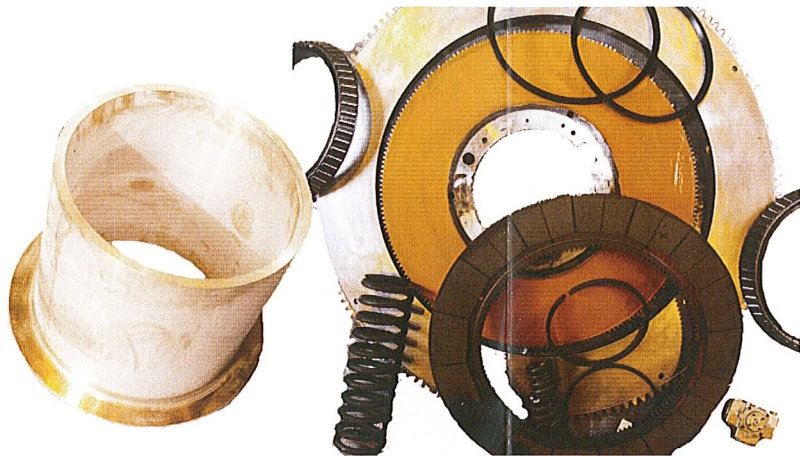


# Parts and Service

Parts and Service

- Clutch parts
- Brake parts
- Bearings
- Seals
- Crankshafts
- Gears
- Liners
- Counter balances

No matter how old the machine, ERIE has the replacement parts. From Mechanical Presses, Trim Presses, Hydraulic Presses, to Steam Hammers, Drop Hammers and KeyDrivers. Any ERIE product can be replaced or repaired. ERIE provides quality infield service and product support. Call ERIE for your O.E.M. replacement parts and service needs.

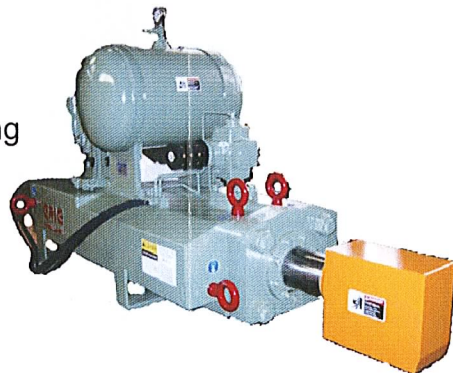


## KeyDriver

Pneumatic Hammer

Forge shop accessory for driving sow block & die keys.

- Fork Lift mounting
- Remote operation
- Ready to run on delivery
- 3,840 LBS @ 30" stoke
- 6,600 LBS @ 40" stroke
- Complete Re-Building service
- Rental / Lease programs

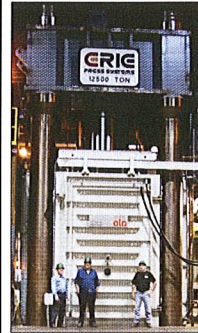


# Custom Engineered Equipment

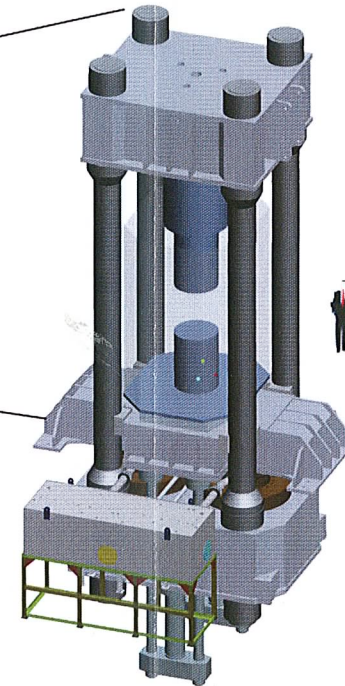
Whether you're working with metals, plastics, ceramics, composites or the newest exotic materials or processes like Vacuum Isothermal Forging. ERIE Press Systems can provide the equipment that will meet your unique needs.



1,300 ton Coining press



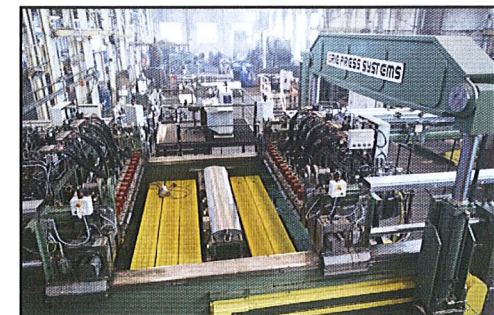
1,500 ton Powdered Metal press



12,500 ton Vacuum Isothermal Forging



Carbon Extrusion press



Stretch Forming Machine

Custom