

Eaton Discrete Manufacturing

Count on superior
precision to keep your
line operating efficiently



EATON

Powering Business Worldwide

Performance. Productivity. Profitability.

In a world of increasing pressure for “better, faster, cheaper,” manufacturers face more significant challenges than ever before. Whether making automobiles, clothing, computer chips, plastic bottles, or anything in between, you need every cell in your fine-tuned operation working at its optimal state. When Eaton is on the inside, you can experience the assurance of tireless production.

Produce at peak efficiency with the superior precision and repeatability of Eaton products. Eaton hydraulic components provide the precise control and consistent operation required for virtually every step in your manufacturing operation. With Eaton, we'll help you redefine the meaning of raw productivity.

Whether your primary business is mass production or mass customization, you can count on superior inner precision and repeatability for increased uptime, year after year.



Eaton is in the details.

Eaton components are inside the most reliable machines for metal cutting, metal forming, and rubber/plastic molding. You'll find Eaton products at every point in the production process.

- Using metal cutting and forming machines with Eaton products, auto makers and construction material manufacturers produce high volumes of heavy materials with greater consistency and less waste.
- Precision manufacturers, from aerospace companies to medical device makers, trust the reliable accuracy and control of Eaton systems in their production equipment.

- Consumer product and packaging makers get accurate results with minimal scrap and rework by using molding machines equipped with Eaton components.

With Eaton on the inside, you'll get the consistent performance that you need. And, wherever reliable, precise hydraulic components are required, you'll find Eaton products.

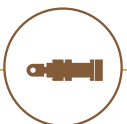
Eaton has a comprehensive portfolio of hydraulics to meet your needs



Fluid Conveyance



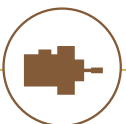
Power Units



Cylinders



Valves



Motors



Pumps



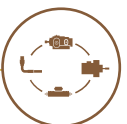
Filtration



Brakes & Clutches



Electronic Controls



Systems



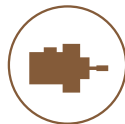
Portfolio Spotlight: just a few examples where we excel



Pumps

Open Circuit Piston Pumps

Eaton delivers longer life and reliable operation for punch presses and metal forming applications with medium duty PVM pumps featuring robust bearing designs.



Motors

Motors

Eaton has a full line of Gerotor/Geroler, Gear, Piston and Vane motors from Low Speed High Torque to High Speed, High Power to meet your needs.

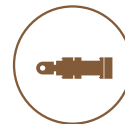
Associated Brands: Char-Lynn®, Eaton®, Vickers®



Valves

Proportional Valves

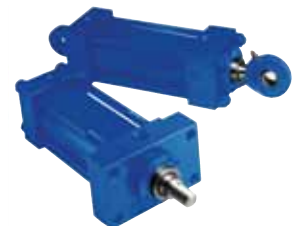
Eaton's industrial proportional valves offer precise control every time in plastic injection molding and endless other manufacturing applications.

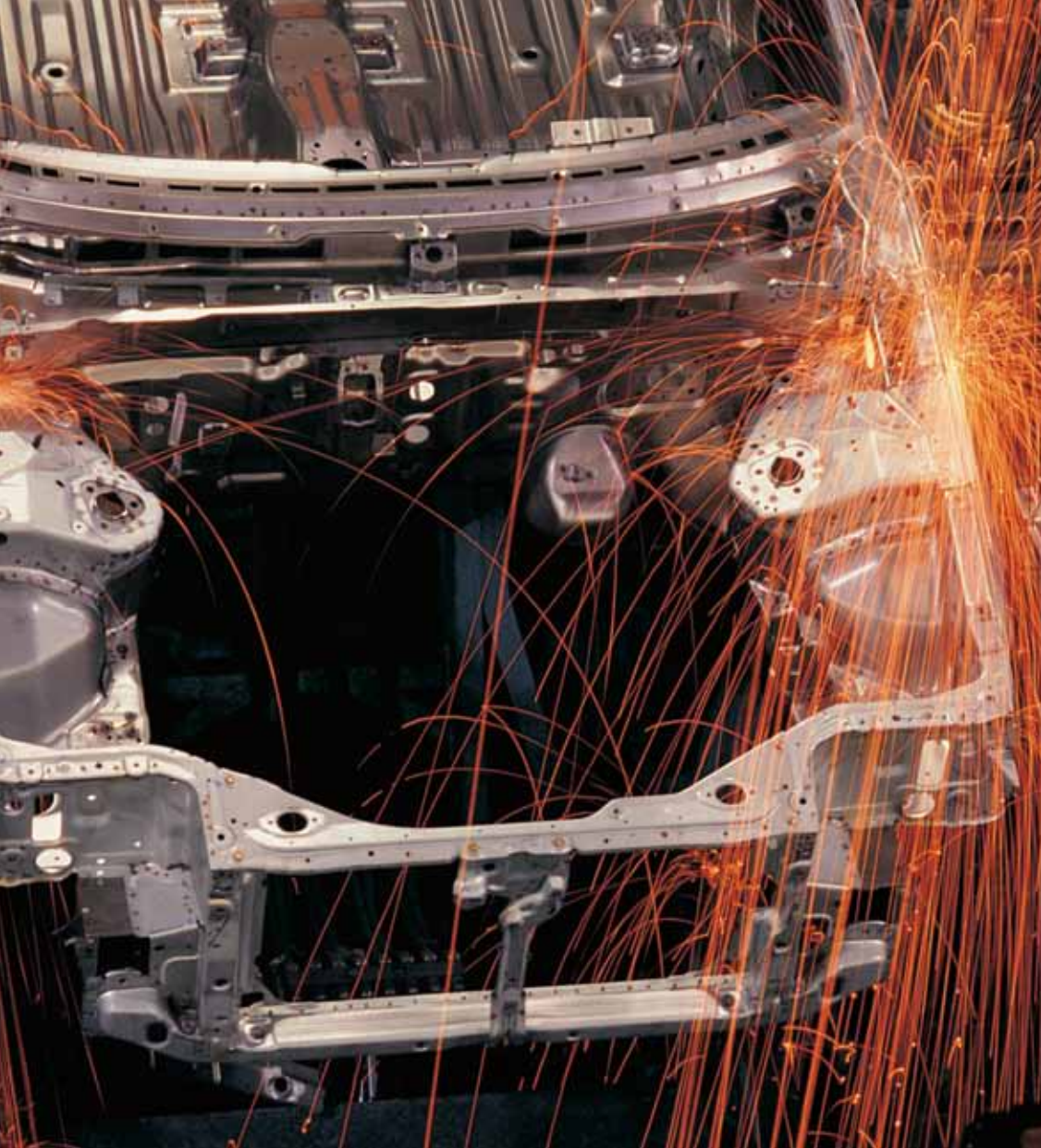


Cylinders

Custom Cylinders

Custom designed cylinders featuring highly specialized sealing systems provide the ultimate performance in high velocity applications.





Problem Solver

Challenge

Fabriweld Corporation was faced with reliability issues in the press' command signal and acceleration/ deceleration rates.

Solution

A key distributor worked with Eaton to provide a load-sensing hydraulic system including piston pumps, vane pumps, cartridge valves, and proportional valves to enable a consistent speed in the pressing cycle.

Why Eaton

The Eaton solution provided a packaged solution that resulted in a more energy efficient, more consistent system that was quieter than previous systems. And, because of the creative design, the new solution was 15% more cost-effective than previous solutions.

Count on Eaton for:

- Reliable operation that maximizes output and uptime
- Precise control and consistent performance for reduced waste
- Higher torque and power density controls for improved efficiency
- Greater operator comfort, safety, and productivity



Eaton is in the details.

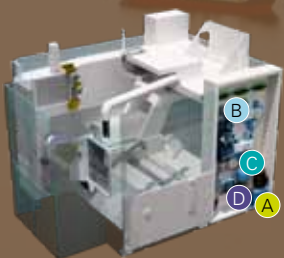
Whether it's inside your plant, or inside your equipment, Eaton has the industrial experience to power your operation.

Manufacturing Facility

Whether it's inside your plant, or inside your equipment. Eaton has the industrial experience to power your operation. When accuracy matters most, press brake operators rely on Eaton. Eaton provide forming/trim hydraulic solutions that enable the repeatability and reliability required to keep you manufacturing at peak levels.

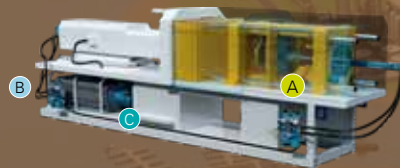


- Hydraulic Machinery Plant
- A** Office Areas
 - B** HVAC System
 - C** Electrical Infrastructure
 - D** CNC Machine Tools
 - E** Injection Molding
 - F** Press Brake
 - G** Stamping Press Machine
 - H** Service



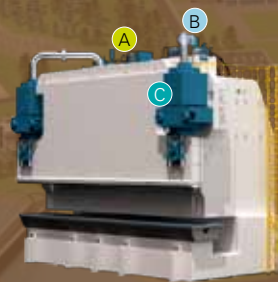
CNC Machine Tools

- A** Hydraulic Power Unit
- B** Manifold/Valve Assembly
- C** Accumulator
- D** Filtration



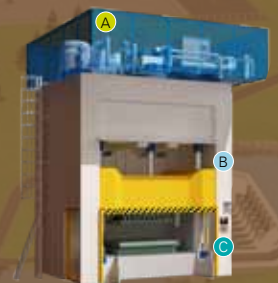
Injection Molding

- A** Clamping System
- B** Injection System
- C** Servo Pump Systems



Press Brake

- A** Power Unit
- B** Manifold Assembly
- C** Eaton Custom Cylinders



Stamping Press

- A** Power Unit
- B** Mode Switching Cylinders
- C** Shock Dampening Cylinders

Platform Spotlight: an example where we excel



EATON

Powering Business Worldwide

The Power of Eaton



There's a certain energy at Eaton. It's the power of integrating the competencies of some of the world's most respected names to build a brand you can trust to meet every power management need. The energy created supports our commitment to powering business worldwide.

As the world's demand for high-efficiency hydraulic systems for mobile and stationary applications increase, Eaton is helping to solve these challenges more reliably, efficiently, and sustainably. Our goal is simple; to provide unique solutions across a wide range of markets that keep businesses on the leading edge of change. Visit Eaton.com/hydraulics/fusion.

That's the power of Eaton.

Eaton
 Hydraulics Group USA
 14615 Lone Oak Road
 Eden Prairie, MN 55344
 USA
 Tel: 952-937-9800
 Fax: 952-294-7722
www.eaton.com/hydraulics

Eaton
 Hydraulics Group Europe
 Route de la Longeraie 7
 1110 Morges
 Switzerland
 Tel: +41 (0) 21 811 4600
 Fax: +41 (0) 21 811 4601

Eaton
 Hydraulics Group Asia Pacific
 Eaton Building
 4th Floor, No.7 Lane280 Linhong Rd.
 Changning District
 Shanghai 200335
 China
 Tel: (+86 21) 5200 0099
 Fax: (+86 21) 5200 0400