

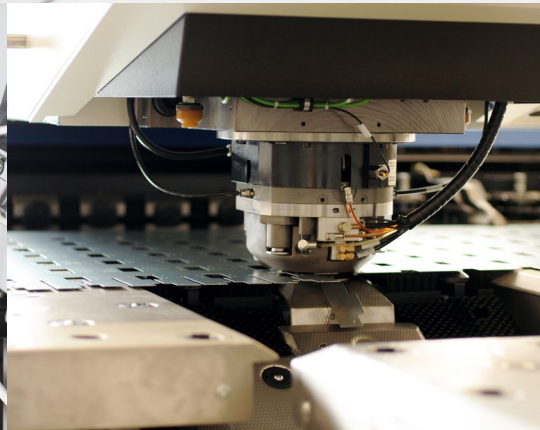
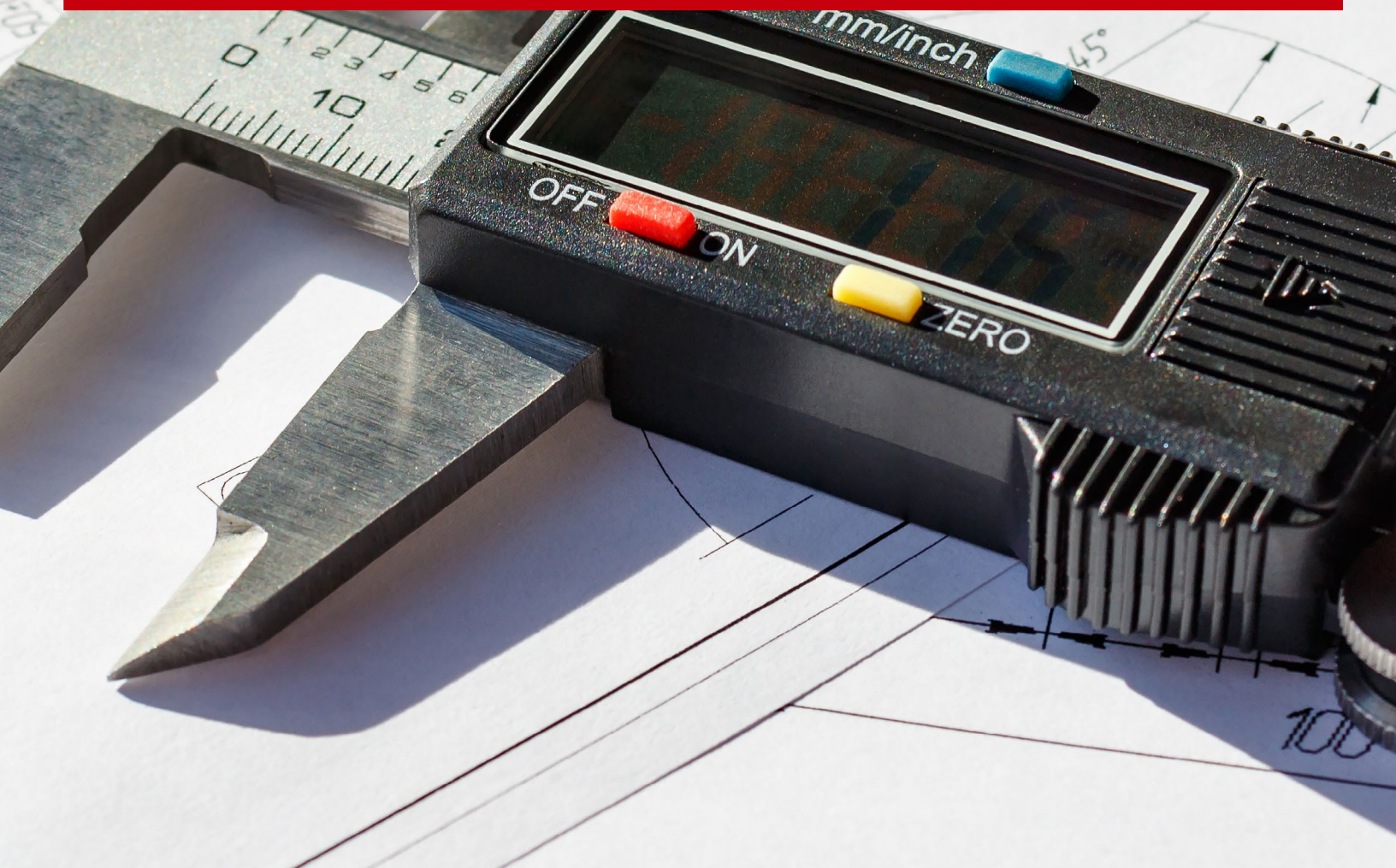
ENGINEERING  
TOMORROW



Brochure

# Count on superior precision to keep your line **operating efficiently**

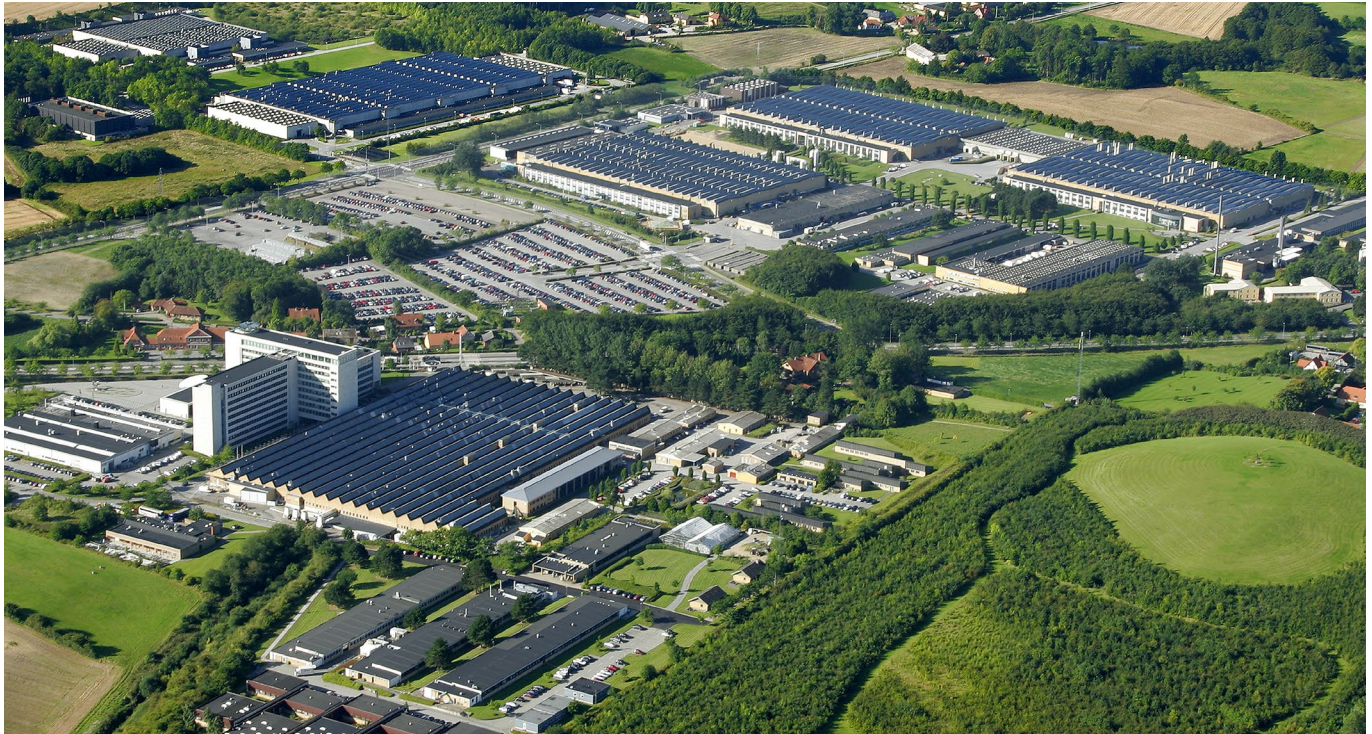
Market: Discrete Manufacturing



**VICKERS**  
by Danfoss

## Performance. Productivity. **Profitability.**

Danfoss hydraulic components provide the precise control and consistent operation required for virtually every step in your manufacturing operation. Whether your primary business is mass production or mass customization, you can count on superior efficiency, reliability, and repeatability for increased uptime, year after year.



## Danfoss is in the **details.**

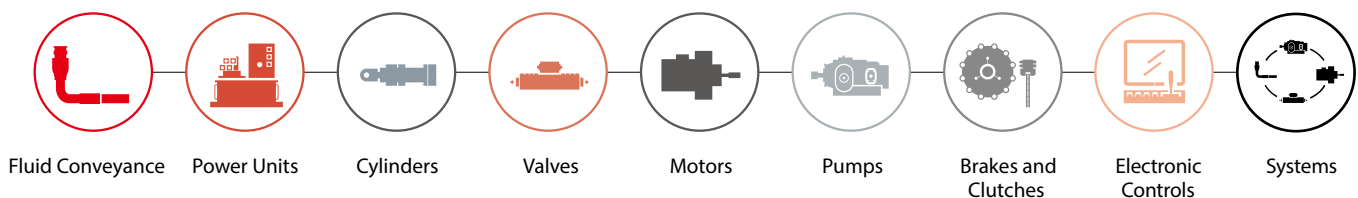
Vickers by Danfoss components are inside the most reliable machines for metal cutting, metal forming, and rubber/plastic molding. You will find Danfoss products at every point in the production process.

- Using metal cutting and forming machines with 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 Danfoss systems in their production equipment

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

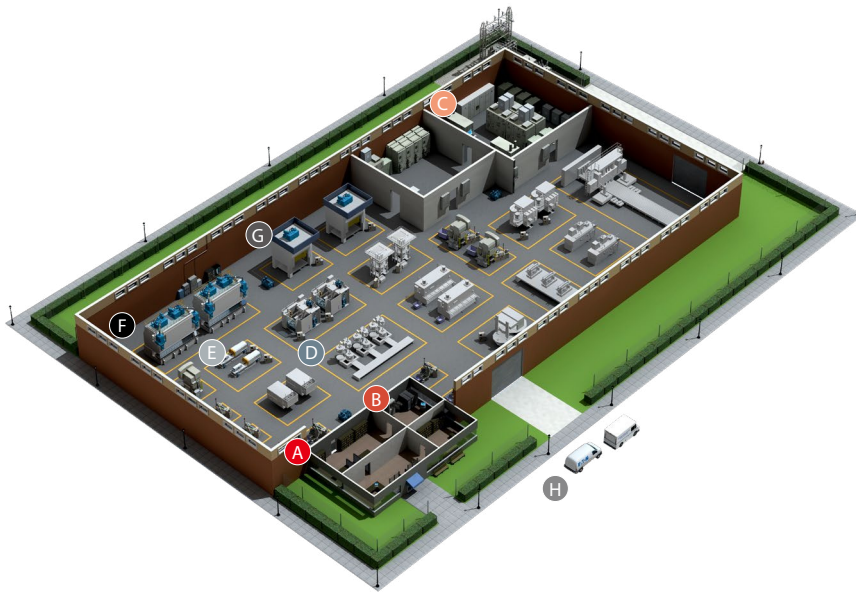
Danfoss has a comprehensive portfolio of hydraulics to meet your needs



# Danfoss is in the **details**

## Manufacturing Facility

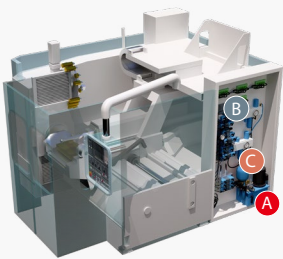
Whether it is inside your plant or inside your equipment, Danfoss has the industrial experience to power your operation. Danfoss provides forming/trim hydraulic solutions that enable the accuracy and reliability required to keep you manufacturing at peak levels.



### Hydraulic Machinery Plant

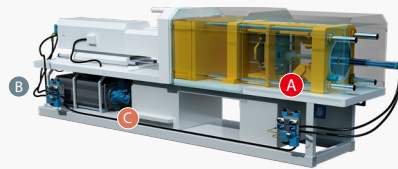
- A** Office areas
- B** HVAC system
- C** Electrical infrastructure
- D** CNC machine tools
- E** Injection molding
- F** Press brake
- G** Stamping press machine
- H** Service

## Platform Spotlight: where we **excel**



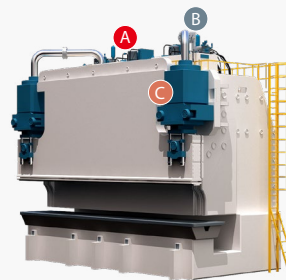
### CNC Machine Tools

- A** Hydraulic power unit
- B** Manifold/valve assembly
- C** Accumulator



### Injection Molding

- A** Clamping system
- B** Injection system
- C** Servo pump systems



### Press Brake

- A** Power unit
- B** Manifold assembly
- C** Custom cylinders



### Stamping Press

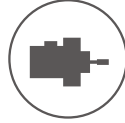
- A** Power unit
- B** Mode switching cylinders
- C** Shock dampening cylinders

## Portfolio Spotlight: just a few examples where **we excel**



### Open circuit piston pumps

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



### Motors

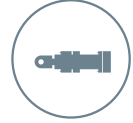
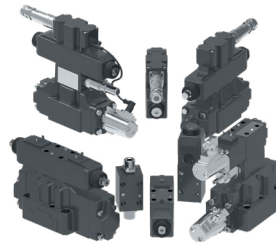
Danfoss has a full line of gerotor/geroler, gear, piston, and vane motors from low speed high torque to high speed, high power to meet your needs

Associated Brands: Char-Lynn<sup>®</sup>, Vickers<sup>®</sup> by Danfoss



### Proportional valves

Vickers by Danfoss' industrial proportional valves offer precise control every time in plastic injection molding and endless other manufacturing applications



### Custom cylinders

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



## Problem **Solver**

### Challenge

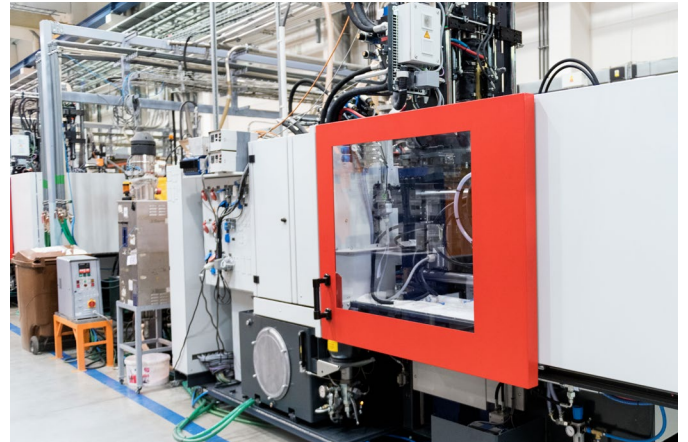
Fabriweld Corporation was faced with reliability issues in the press' command signal and acceleration/deceleration rates.

### Solution

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

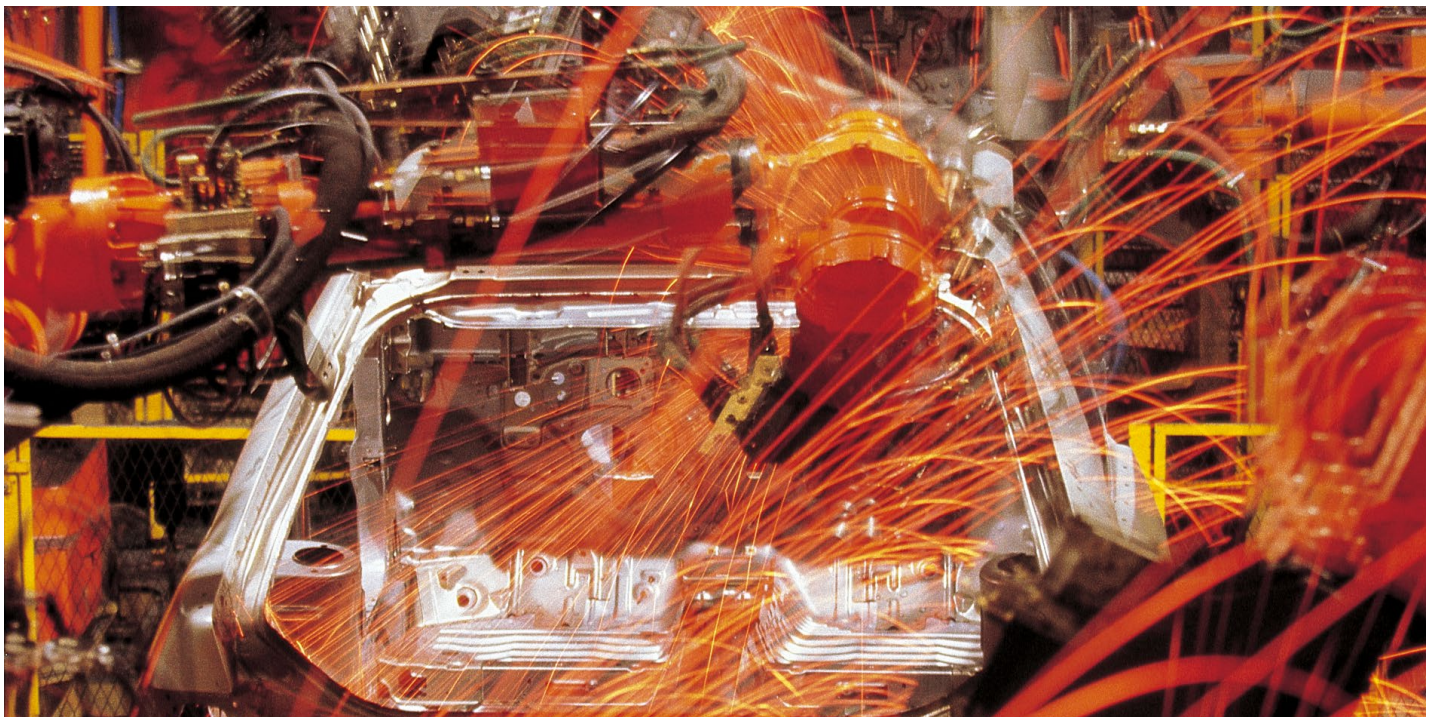
### Why Danfoss

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



## Count on **Danfoss** 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



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