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The IHD Story . . .

The Integrated Hydraulics Division (IHD), headquartered in Lincolnshire, Illinois, was “born” as a Parker manufacturing division on July 1st, 2000. Through several acquisitions, Parker has assembled a line-up of respected cartridge valve manufacturers, including; Waterman Hydraulics, Fluid Power Systems (FPS), Gresen, and CEC. Parker’s Cartridge Valve Business Unit was separated from the Hydraulic Valve Division and combined with these acquired products to form the new division, IHD. Through this assembly of products, Parker’s product offering is one of the most extensive in the industry.

The objective and mission of IHD:

“The Integrated Hydraulics Division of Parker Hannifin is a world leader in the manufacture of hydraulic cartridge products and integrated systems. We will provide the best quality and value to our Customers by delivering Premier Customer Service, rapid application support, advanced technology products, and value-based engineering solutions.”

The division currently has three locations, each providing various aspects of cartridge valve manufacturing, assembly, test, as well as manifold machining and other secondary operations. Each location is supported by a local management team, along with an experienced and well-trained work force. Parker believes the best in efficient manufacturing and Premier Customer Service cannot be achieved unless the process of continuous improvement is in place. Parker Hannifin, and in particular, IHD, are continuously measuring our progress to exceed the expectation of the market through Kaizen events, Lean initiatives, 5 “S” quality programs, and other continuous improvement programs.

Lincolnshire operations . . .

The division headquarters is located in Lincolnshire, Illinois, which is approximately 15 miles north of Chicago, and a 20 minute drive north of O’Hare airport. This location houses many of the primary division functions such as Marketing, Product Management, Engineering, Customer Service, Accounting, Quality Engineering, and Research & Development. In addition to the office headquarters, the 85,000 sq. ft. building features a newly remodeled plant space for the assembly and test of cartridge valves and manifold products. With its experienced, dedicated work force, Parker is proud to present Lincolnshire as the assembly and test home for the new Winner’s Circle product line. This location serves as the primary contact point for customers, distributors, and Parker sales representatives.
Chanhassen operations . . .

The Chanhassen operation is housed in a brand new state-of-the-art, 32,000 sq. ft. facility, located 10 miles west of Minneapolis. This facility demonstrates Parker’s commitment to growth, as it is equipped with many new machining centers for the production of manifolds, line bodies, and cartridge components. Many of the new machines are connected by a common pallet system allowing for nearly unlimited machine runs, reduced set-up time, and flexible scheduling.

Chanhassen is also the home of the Parker-IHD “Speed Shop” as well as the IHC application specialist team. Although detailed later in this catalog, the “Speed Shop” is our resource to assist customers and distributors in the initial development of manifold and system solutions. A team of experienced application specialists dedicated to the specification and design of steel and aluminum Integrated Hydraulic Circuit systems (IHC’s) lead this process. At the heart of the “Speed Shop” is the machining center, assembly area, and test bench, all dedicated solely to the production of prototype manifolds.

Monterrey operations . . .

The Monterrey cartridge valve assembly and test operations are housed in a well-equipped modern manufacturing facility, just 2 hours west of McAllen, Texas. Parker began operations in this new facility in 1998, and has expanded several times to meet the increasing demand. This location focuses primarily on the assembly and test of cartridge valves. IHD actually shares this facility with other Parker divisions in order to maximize the efficiency of the assembly and support processes.

All Parker facilities are ISO 9000 registered, ensuring complete customer satisfaction.
The CVS Story . . .

With its developments in integrated hydraulic products, Parker has decided to penetrate the expanding European market by creating a focused resource with engineering and manufacturing capability for both cartridge valves and manifold systems. This business unit is named Cartridge Valve Systems and operates within the Integrated Systems Division based in Warwick - England.

This allows Parker to take advantage of its strengths in product offerings and truly provide OEM's with “one stop shopping”. With the vast resources of its many divisions available, Parker has the unique ability to adapt other Parker products within speciality manifolds, beyond just the integration of valve products.

Our objectives and development are linked directly with IHD and are in line with our Global Hydraulics Group goals. CVS have three locations, with its headquarters in Warwick, a manifold production facility in Boras - Sweden, and the volume cartridge production facility in Chomutov. - Czech Republic. The following is a brief review of each location:

Warwick operations . . .

CVS headquarters are located in Warwick, England, centrally positioned within easy access of the main airport and motorway links. The building is approximately 8,800 sq. mtrs., and is home for the three ISD business units.

- Cartridge Valve Systems
- Industrial Systems
- Defense Systems

The UK hydraulics synchronized sales management group is also now located at Warwick. The following CVS activities are supported from this location:

- Customer Service
- Product Support
- Technical Support
- Manifold Systems prototype “Speed Shop”
- Quality Assurance
- Manufacturing Support
- Finance
- Purchasing
- Marketing
- Engineering Support for Cartridge Valves
- CVDC (European Cartridge Distribution Center) Administration
**Boras operations . . .**

The manifold systems “team” is located in Boras Sweden, 30 miles East of Gothenburg. This “team” focuses on the production on integrated hydraulic circuits which are incorporated into mobile systems. By working closely with the Mobile Controls Division (M.C.D.) we are also able to take full advantage of Parker’s unique spool valve product offering, and systems engineering expertise. Boras also has a prototype Speed Shop capability, and provides local manifold design and production support for the Nordic region. Manifold system application engineering and manufacturing capability is also available at several other Parker Sales locations throughout Europe. Parker can provide both standard circuit and custom-engineered hydraulic solutions. Each facility uses compatible CAD / CAM packages to enable the resource to be shared whilst keeping the application engineering close to our customers.

**Chomutov operations . . .**

The Chomutov cartridge valve and simple Manifold system assembly and test operation is located in a brand new manufacturing facility, 50 miles north of Prague in the city of Chomutov - Czech Republic. The facility is based on LEAN manufacturing techniques Such as Value Stream Mapping, “Point-of-Use” Inventory, Kanban controls, 5S, Visual factory, Small batch flow, Balanced work flow etc. and is operated using fully equipped “cells” which are dedicated to specific product “families” with each one having a “state-of-the-art” test stand with manual or automated electronic controls and quick change-over fixtures.

Products are distributed to customers' throughout Europe via the Cartridge Valve Distribution Center (C.V.D.C) in conjunction with the United Parcel Service (U.P.S.)

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All Parker facilities are ISO 9000 registered, ensuring complete customer satisfaction.
When you need finished Integrated Hydraulic Circuits with extremely short lead times, the Parker “Speed Shop” is the place to go. Parker’s expert application engineers, along with the latest computer-aided design and manufacturing technology, can bring new and advanced custom products to market faster, keeping you way ahead of your competition.

- Expert applications assistance
- Fast and accurate quotes
- Quick Design proposal via 3D CAD
- Electronic communication and approvals
- CAD linked prototype machining
- Fully tested and documented prototypes
- Immediate release to production
**Parker Speed Shop**

**Pencil to Parts in Just Days**

**Integrated Hydraulic Circuits**

Hydraulic manifold blocks are designed to meet the many demands of mobile hydraulic equipment. Manifold blocks offer you the following benefits:

- **Minimum number of fittings, hoses and couplings**
- **Fewer components**
- **Fewer leakage points**
- **Less space required**
- **Simplified assembly and service**
- **Complete system solution with optimized functions**

Manifold blocks can be flanged to one or more directional valves as well as to pumps, cylinders, motors and filters.

Some cartridge valve products offered by Parker include:

- **Directional Control Valves**
- **Logic Elements**
- **Flow Controls**
- **Pressure Controls**
- **Proportional Valves**
- **Powershift Transmission Controls**
- **Load Holding Valves**

The solution to your problem is only minutes away with Parker's quick design proposal processes utilizing 3D CAD. Once the design is finalized, the “Speed Shop” process is further streamlined by utilizing electronic communications and approvals.

When design specifications meet customer requirements, Parker’s CAD linked prototype machining produces fully functional hydraulic integrated circuits. All prototypes are fully tested and documented before being released to production. In today’s highly competitive market, speed and quality are critical for success.

The Speed Shop is just another example of Parker’s commitment to Premier Customer Service! To learn more about the IHD “Speed Shop” advantages, call 1-847-955-5000 or e-mail us at parkerihd@parker.com