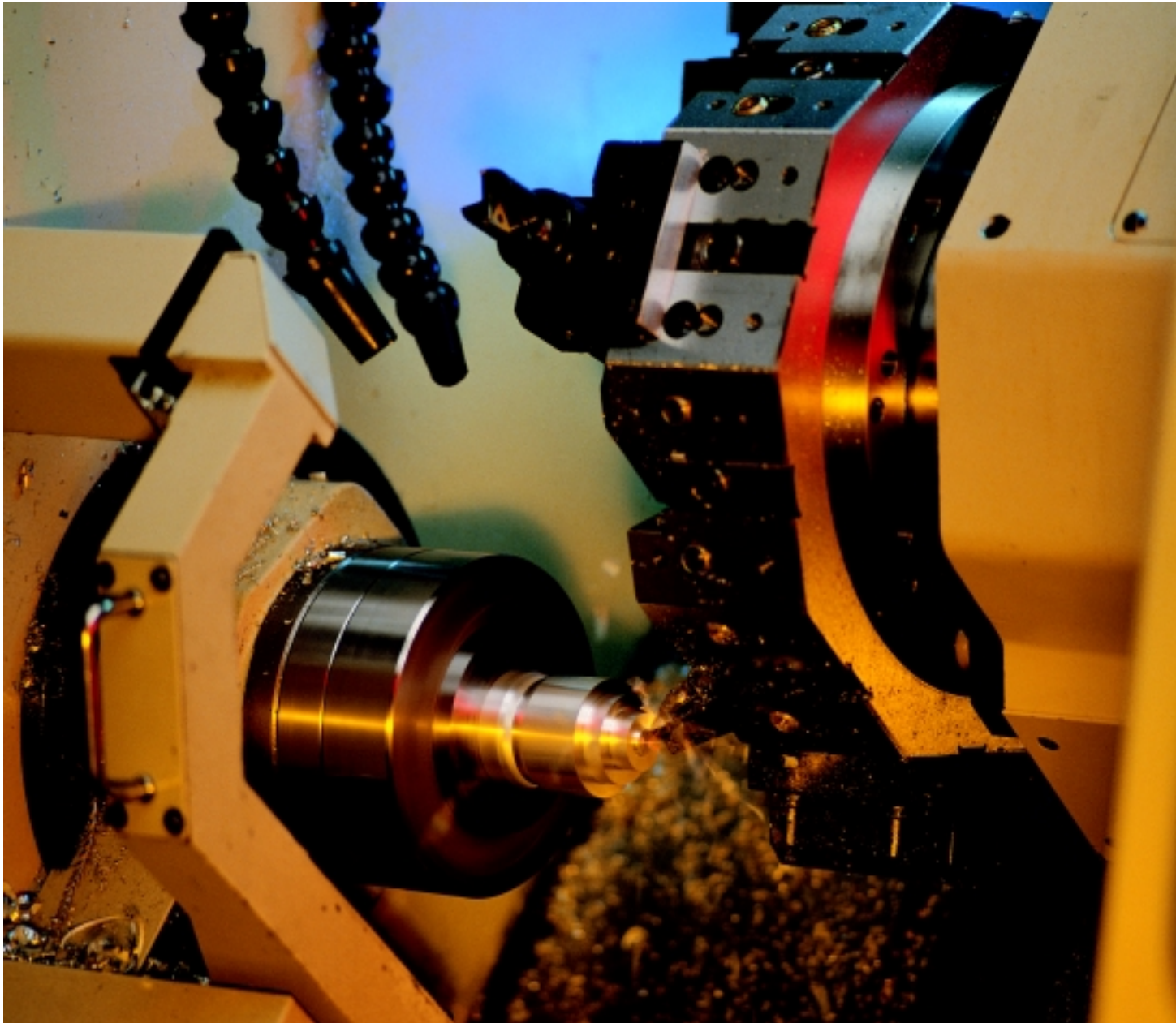




System Solutions For The Machine Tool Industry



*Your Resource For Motion Control
Components, Systems and Solutions*

The Machine Tool Industry: A Focus

Parker means components, systems and partnerships that work

Parker is committed to offering the machine tool industry the most comprehensive array of motion control products and technologies. We are continuously improving the performance and value of our products to meet the current and future needs of the global machine tool industry.

Parker's machine tool focus includes CNC turning centers, CNC machining centers and production/specialized machines.

Industry Leader

No one can match Parker's expertise in supplying motion control components and complete systems. For more than half a century, the biggest names in the business have trusted Parker with their motion control needs.

Whether you require compact hydraulic power units, hydraulic valve systems, air panel assemblies, electrohydraulic systems, leak-free sealing technologies or sophisticated electromechanical servo controls Parker has the right solution.



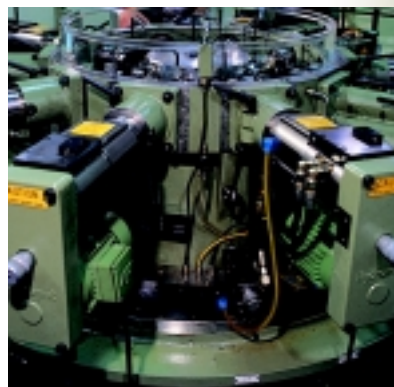
Single Sourcing and Kitting

Parker was the original "one-stop" source for motion control products and no other manufacturer has the breadth of product that can match us. The machine tool industry requires single source suppliers and Parker can tailor solutions that match your business requirements. Single point order and invoicing, Strategic Account Managers and kitting are just a few of the concepts we employ. And we can do it on a global scale!

Engineering Expertise

Parker is about more than just components. We have experienced field and application engineers who know machine tools and can help you select the proper components and offer systems solutions for superior performance at a competitive cost. Extensive product testing ensures trouble-free performance, while state-of-the-art manufacturing provides you with the best lead times in the industry.

With our expertise in the design and manufacture of power units and total systems for machine tools we take the guesswork out of design.



Premiere Customer Service

Parker employees understand that premiere customer service means doing whatever it takes to meet or exceed your expectations. We provide technical assistance, electronic ordering, customer training and extensive product information in electronic and print format. Parker's world-wide support ensures that your machine tool can be serviced and supported anywhere in the world.



Cover photo courtesy of Hardinge, Inc.

Products For Any Application

Parker makes over 500,000 parts to meet your system needs

Products	Turning Centers	Machining Centers	Production Machinery
Cylinders			
Heavy Duty Hydraulic & Pneumatic Cylinders	☐	☐	☐
2H/HMI Heavy Duty Hydraulic Cylinders	☐	☐	☐
2MA Non-Lube Aluminum Cylinders	☐	☐	☐
Low Profile Pneumatic Cylinders	☐	☐	☐



Automation Group

Air Valves and Preparation Units			
Air Preparation Units w/Modular Accessories	☐	☐	☐
B Series Lightweight, Compact Directional Valves	☐	☐	☐
F Series Plug-In Subbase Directional Valves	☐	☐	☐
Serial Addressable Manifolds	☐	☐	☐



Hydraulics Group

Filtration			
Hydraulic Filters	☐	☐	☐
Coolant Filters	☐	☐	☐



Fluid Connectors Group

Automation Components			
Rotary Actuators	☐	☐	☐
ParFrame Structural Framing and Guarding	☐	☐	☐



Instrumentation Group

Electromechanical			
ET/ER Electric Cylinders	☐	☐	☐
HLE Belt-Driven Linear Actuator & Gantry Systems	☐	☐	☐
Human-Machine Interface	☐	☐	☐
Servo and Stepper Controllers	☐	☐	☐



Seal Group

Hydraulic Power Units and Valve Systems			
Accumulators Bladder and Diaphragm	☐	☐	☐
Compact Machine Tool Power Units	☐	☐	☐
Global Standard Power Units	☐	☐	☐
Integrated Valve Control Manifolds	☐	☐	☐
Multi-Station Valve Assemblies	☐	☐	☐



Filtration Group

Hydraulic Valves			
Directional Valves	☐	☐	☐
Hydraulic Stack Valves	☐	☐	☐
Pressure Intensifiers	☐	☐	☐
Proportional Valves with On-Board Electronics	☐	☐	☐



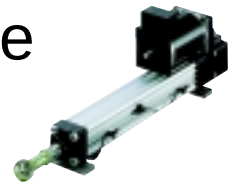
Aerospace Group

Hose, Fittings and Specialty Valves			
Fittings and Adapters	☐	☐	☐
Ball Valves	☐	☐	☐
Solenoid Valves	☐	☐	☐
Hose and Tubing	☐	☐	☐
Quick Couplings	☐	☐	☐



Climate & Industrial Controls Group

Parker — Providing The Machine Tool Industry With Complete System Solutions.



Electric Cylinders

Electric cylinders and rodless actuators for packaged single-axis solutions and engineered multi-axis systems.

Everyone knows Parker is the leading motion control component supplier to the machine tool industry. Now we're going one step further ...by putting our 70 years of application engineering expertise

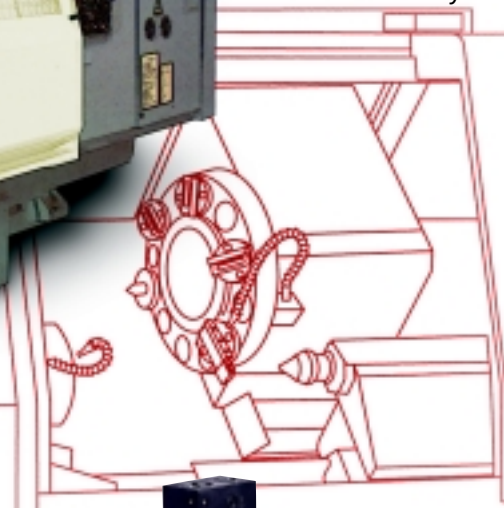
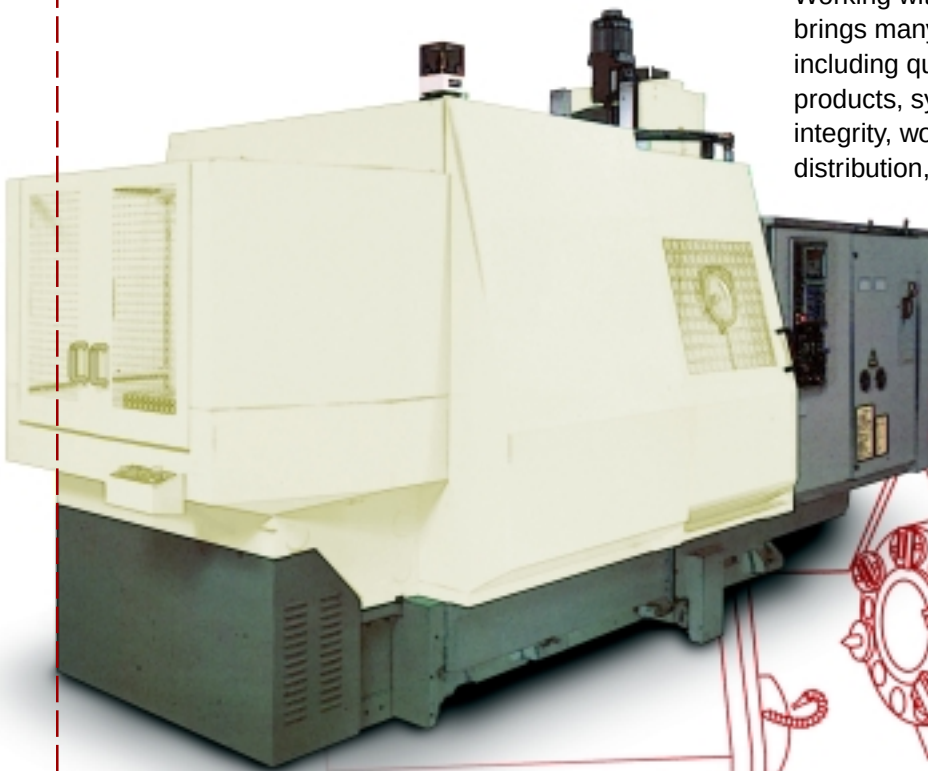
to work for you as the single source solution for your entire machine tool motion control system.

You know the 'Machine Tool Industry', and we know 'Motion Control'. Our sales engineers

will work with your designers to bring together all of the electromechanical, pneumatic and hydraulic components necessary to make the ideal system for you.

Working with Parker brings many benefits, including quality products, system integrity, worldwide distribution, extensive

field support, unequalled customer service, as well as shortened product lead times, simplified ordering and more efficient shipping. But most importantly, with the assistance of Parker's application engineers, you can be sure that the 'Motion Control' capability of your new system will meet *and* exceed both your specifications... and your expectations.



Directional Valves

Direct and pilot-operated hydraulic valves with a variety of electrical and connector options. Soft-shift models also available.



Hydraulic Stack Valves

Modular steel and aluminum sandwich valves for controlling flow, pressure and load-holding.



Pressure Intensifiers

Manifold mounted hydraulic intensifier increases work-holding pressure up to 500 bar without an additional hydraulic power unit.



Proportional Control Valves

Proportional directional valves with on-board electronics increase productivity and decrease system shock.



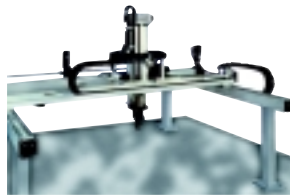
Human-Machine Interface

Complete range of flat panel, touch interfaces available, bundled with Interact, the #1 rated HMI software and MachineLogic™, a low risk alternative to the traditional PLC.



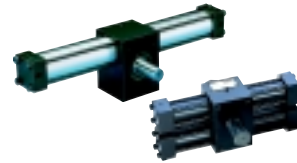
Servo and Stepper Controllers

Scalable multi-axis servo and stepper motor controller with high speed serial bus communication and expandable I/O.



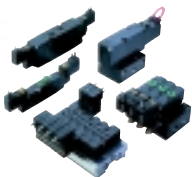
Belt-Driven Linear Actuators & Gantries

Modular or custom, high speed systems with repeatable positioning. Horizontal and vertical units available.



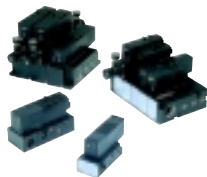
Rack & Pinion Rotary Actuators

Rugged, reliable rotary motion with the broadest torque range in the industry. Hydraulic and pneumatic styles available.



Lightweight, Compact Air Valves

Compact, high performance valves utilizing Parker's **Wear Compensating System (WCS)** for non-lube service through millions of cycles.



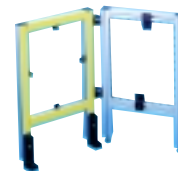
Plug-In Subbase Directional Valves

High flow, fast response air valves with **WCS** feature ISO standard plug-in style mounting for simplified installation and reduced wear.



Air Preparation Units w/Accessories

Filters, Regulators & Lubricators with modular accessories including: lock-out valves, pressure switches, soft-start/quick-dump valves and mounting kits.



Structural Framing and Guarding

Metric aluminum profiles with connecting hardware in inch or metric standards provide an economical, easy to assemble, modular structure that eliminates the need to weld or paint.



Bladder/Diaphragm Accumulators

Bladder and diaphragm accumulators to supplement flow and maintain clamp pressure.



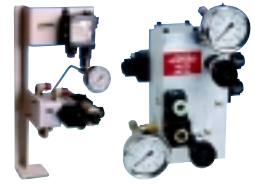
Compact Machine Tool Power Units

Compact, quiet, and leak-free power units for lathes and machining centers.



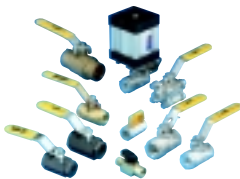
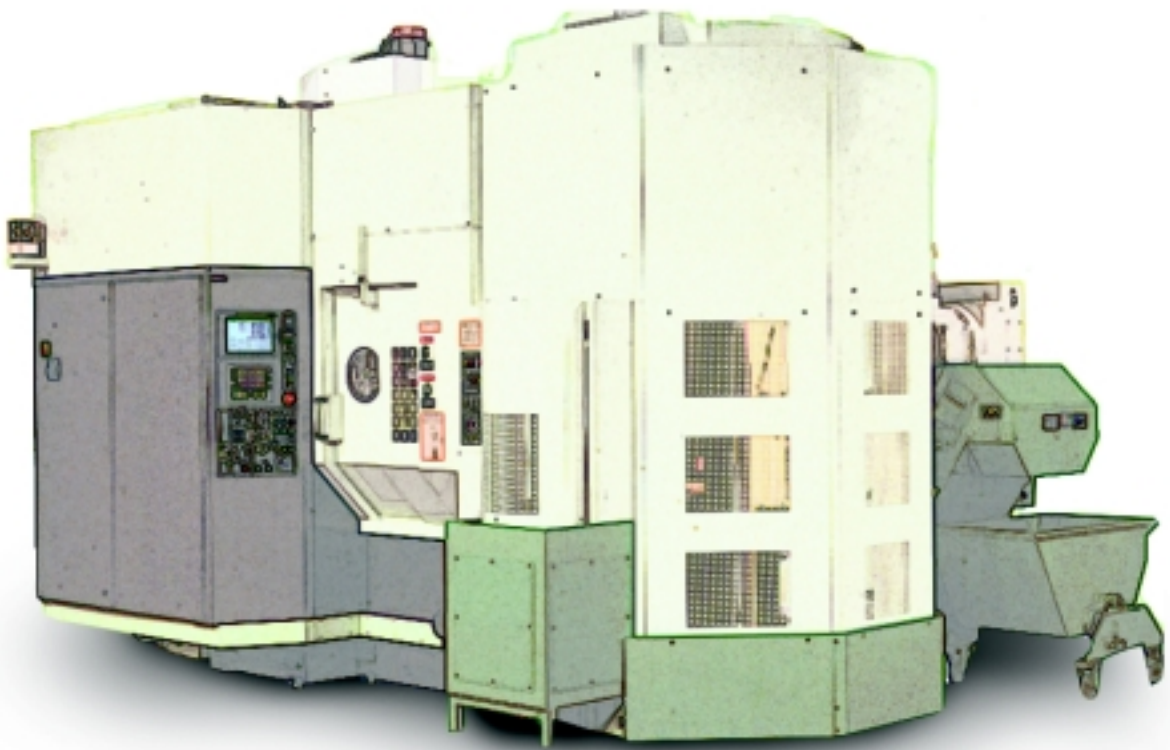
Global Standard Power Units

Engineered to be rugged yet quiet. Features extensive vibration isolation, leak-free connections and filtration.



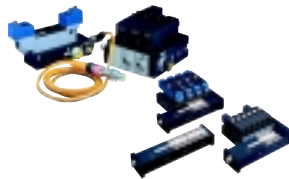
Integrated Valve Controls

Engineered, fully assembled and tested hydraulic valve systems.



Ball Valves

Low and high pressure, in brass, stainless steel, and carbon steel. Sizes from 1/4" through 2" and pressures up to 6000 psi. A variety of port configurations available.



Serial Addressable Manifolds

Serial interface communications that allow banks of directional control valves to be driven from a PC or PLC. Hydraulic and pneumatic styles available.



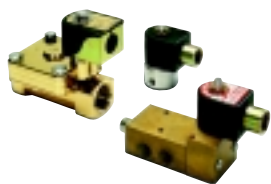
Hydraulic Filters

A complete range of hydraulic filters engineered to meet global standards. Wide variety of mounting styles and pressure ranges are available to meet application demands.



Coolant Filters

Bag and cartridge style filters for removing chips and tramp oils from cooling fluid.



Solenoid Valves

Skinner, Lucifer and Gold Ring™ solenoid valves control fluids and gases in numerous applications.



Heavy Duty Cylinders

Heavy-duty, tie-rod style, hydraulic and pneumatic cylinders available in both NFPA and metric sizes for global acceptance.



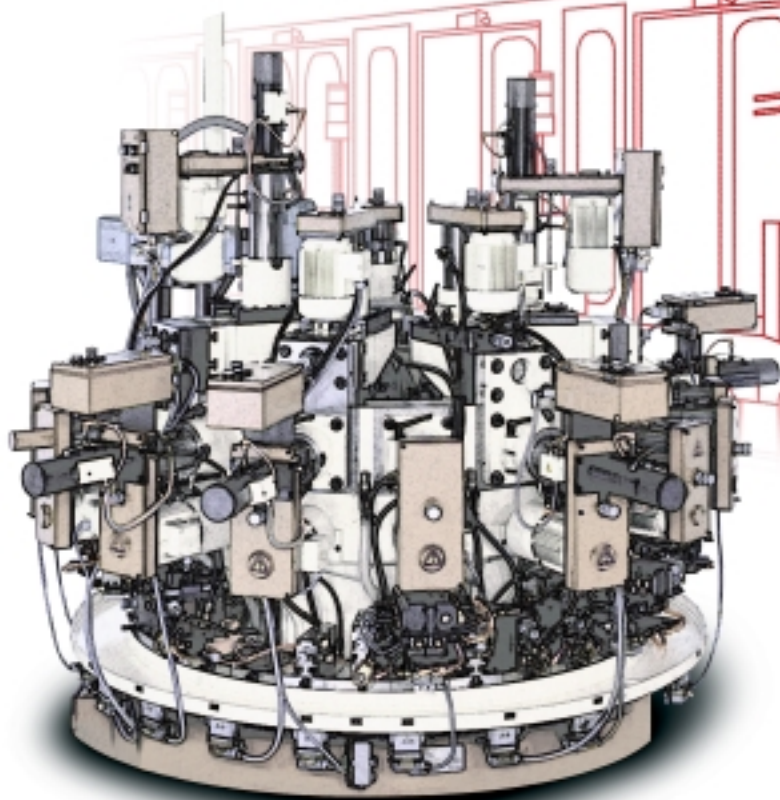
Non-Lube Aluminum Cylinders

Economical, lightweight aluminum cylinders are NFPA or metric interchangeable.

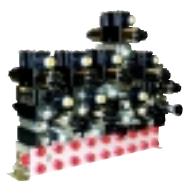


Low Profile Cylinders

Low profile, lightweight aluminum cylinders fit tight space requirements.



For additional information, contact Parker's Machine Tool Market Manager at 1-888-771-6886, e-mail to machinetool@parker.com or visit us on the web at www.parker.com



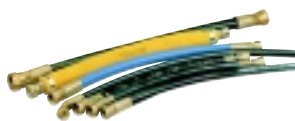
Multi-Station Valve Assemblies

Hydraulic valving circuits utilize multi-station parallel manifolds. Available with either aluminum or steel manifolds and a variety of port options. Completely assembled and functionally tested prior to shipping.



Hydraulic Fittings and Adapters

Wide variety of tube and hose fittings and adapters are available, including flare, bite-type and O-ring face seal fittings. Materials include steel, stainless steel and brass.



Hose & Tubing

Hose available in sizes from 1/8" to 2" I.D. Braided or spiral reinforcements in steel or textile materials. Tubing in a variety of materials and colors.



Quick Couplings

1/8" through 3/4" pneumatic quick couplings are available valved or unvalved. Exhaust-style, thermoplastic, and NoMar couplings are also available.

Premier Customer Service Initiatives...

Field Sales Team

Parker's highly trained field sales force provides expert assistance in your product selection, working hand-in-hand with your local Parker distributor. These experts are strategically located throughout the world to work with you on product application issues.

Single Source

Total system capabilities enable our customers to reduce their number of vendors, saving both time and money through reduced paperwork, simplified ordering and more efficient shipping.

Printed and Electronic Sales Literature

Parker offers the most comprehensive selection of product and technical information in printed form, as well as electronic versions on CD-ROM and our web page.

inPHorm

'inPHorm' is Parker's product selection software that helps you choose the correct components for your application, saving you time and making selecting, specifying and ordering easier.

Industry-Leading Technical Support and Training

The Parker network of application specialists, support professionals and distributor personnel will provide expert technical assistance where and when you need it, as well as training in motion control technology.

Worldwide Distribution Network

With over 7,500 distributors, our distribution network is the strongest in the industry, providing comprehensive technical support and after-the-sale service.

*We're Where You Are
...Worldwide.*

- To order products, CD's and other product information call 1-800-C-PARKER.
- To contact Parker's Machine Tool Market Manager, call 1-888-771-6886 or e-mail to machinetool@parker.com
- Visit us on the web at www.parker.com



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