

Operating Management

Operating Group	Group President	Location
Aerospace	Stephen L. Hayes	Parker Hannifin Corporation 18321 Jamboree Road Irvine, California 92612 (949) 833-3000
Automation	John K. Oelslager	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000
	European Operations	Parker Hannifin plc Walkmill Lane Bridgtown, Cannock, Staffs WS1 13LR England (44) (1543) 456000
Climate & Industrial Controls	Lynn M. Cortright	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000
Filtration	Mark W. Walters	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000
Fluid Connectors	John D. Myslenski	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000
	European Operations	Parker Hannifin Corporation Parker House 55 Maylands Avenue Hemel Hempstead Herts, HP2 4SJ England (44) (1442) 238100
Hydraulics	Donald E. Washkewicz	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000
	European Operations	Parker Hannifin Corporation Parker House 55 Maylands Avenue Hemel Hempstead Herts, HP2 4SJ England (44) (1442) 238100
Instrumentation	Thomas W. Mackie	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000
Seal	Nickolas W. Vande Steeg	Parker Hannifin Corporation 18321 Jamboree Road Irvine, California 92612 (949) 833-3000
	European Operations	Parker Hannifin GmbH Postfach 1641 D-74306 Bietigheim-Bissingen Germany (49) (7142) 3510
Asia Pacific	Joseph J. Vivic	Parker Hannifin Hong Kong Ltd. 8/F King Yip Plaza 9 Cheung Yee Street Cheung Sha Luan Kowloon, Hong Kong (852) 2 428-8008
Latin American	Edward R. Hall	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, Ohio 44124-4141 (216) 896-3000



Pictured left to right:

- ▶ **John D. Myslenski**
President, Fluid Connectors Group
- ▶ **John K. Oelslager**
President, Automation Group
- ▶ **Joseph J. Vivic**
President, Asia Pacific Group
- ▶ **Mark W. Walters**
President, Filtration Group
- ▶ **Donald E. Washkewicz**
President, Hydraulics Group



Pictured left to right:

- ▶ **Edward R. Hall**,
President, Latin American Group
- ▶ **Nickolas W. Vande Steeg**,
President, Seal Group
- ▶ **Lynn M. Cortright**,
President, Climate & Industrial Controls Group
- ▶ **Stephen L. Hayes**,
President, Aerospace Group
- ▶ **Thomas W. Mackie**,
President, Instrumentation Group



Own a piece of everything that moves.



Parker Hannifin Corporation

6035 Parkland Boulevard
Cleveland, Ohio 44124-4141
Telephone: 216.896.3000
Web Site: www.parker.com



In Motion...





In Control.

A Summary of Parker's Operating Groups, Markets, Facilities, and Products

MARKETS

Aerospace Group



- ▶ Commercial transports
- ▶ Military aircraft and missiles
- ▶ Regional transports
- ▶ General aviation
- ▶ Business aircraft
- ▶ Helicopters
- ▶ Engines
- ▶ Power plants/power generation

Fluid Connectors Group



- ▶ Construction machinery
- ▶ Automotive
- ▶ Agriculture
- ▶ Transportation
- ▶ Military
- ▶ Mobile machinery
- ▶ Natural resources
- ▶ Machine tools

Hydraulics Group



- ▶ Construction machinery
- ▶ Aerial lift
- ▶ Mobile machinery
- ▶ Farm machinery
- ▶ Automotive
- ▶ Machine tools
- ▶ Plastic machinery
- ▶ Mining equipment
- ▶ Hoists & cranes
- ▶ Lawn & garden
- ▶ Oil & gas machinery

Automation Group



- ▶ Industrial machinery
- ▶ Machine tools
- ▶ Conveyors
- ▶ Pulp & paper
- ▶ Metalworking
- ▶ Process control
- ▶ Printing
- ▶ Medical instruments
- ▶ Semiconductor manufacturing
- ▶ Packaging

Climate & Industrial Controls Group



- ▶ Mobile air conditioning
- ▶ Mobile & industrial gerotors
- ▶ Industrial refrigeration
- ▶ Supermarket refrigeration
- ▶ Appliances (freezers & refrigerators)
- ▶ Commercial refrigeration
- ▶ Residential air conditioning
- ▶ Fuel dispensing
- ▶ Process control

Seal Group



- ▶ Automotive
- ▶ Aerospace
- ▶ Mobile equipment
- ▶ Semiconductor
- ▶ Chemical processing
- ▶ Telecommunications
- ▶ Information technology
- ▶ Industrial
- ▶ Medical

Filtration Group



- ▶ Industrial
- ▶ Process
- ▶ Mobile machinery
- ▶ Marine
- ▶ Aviation
- ▶ Environmental
- ▶ Semiconductor
- ▶ Pharmaceutical
- ▶ Pulp & paper
- ▶ Power generation

Instrumentation Group



- ▶ Power generation
- ▶ Oil & gas exploration
- ▶ Chemical and petrochemical processing
- ▶ Semiconductor manufacturing
- ▶ Process analytical applications
- ▶ Medical & bio/pharmaceutical
- ▶ Pulp & paper

FACILITIES

Operates 35 facilities worldwide, in:

- ▶ United States
- ▶ Germany
- ▶ France
- ▶ United Kingdom
- ▶ Brazil
- ▶ Puerto Rico
- ▶ Japan
- ▶ Singapore
- ▶ China
- ▶ Korea
- ▶ Canada

Operates 55 plants and 40 Company-owned stocking facilities, with more than 2,500 distributors worldwide. Facilities in:

- ▶ United States
- ▶ Canada
- ▶ Mexico
- ▶ Austria
- ▶ United Kingdom
- ▶ France
- ▶ Germany
- ▶ Netherlands
- ▶ Poland
- ▶ Australia
- ▶ New Zealand
- ▶ China
- ▶ Brazil
- ▶ South Africa
- ▶ Thailand
- ▶ Korea
- ▶ Czech Republic

Operates 37 manufacturing plants, 26 sales offices and 5 warehouses around the world, with more than 900 distributors worldwide. Facilities in:

- ▶ United States
- ▶ Canada
- ▶ Mexico
- ▶ Brazil
- ▶ United Kingdom
- ▶ France
- ▶ Germany
- ▶ Sweden
- ▶ Brazil
- ▶ Italy
- ▶ Australia
- ▶ New Zealand
- ▶ Austria
- ▶ Singapore

Operates 31 manufacturing plants, 21 sales offices and 5 warehouses, with more than 1,000 distributors worldwide. Facilities in:

- ▶ United States
- ▶ Canada
- ▶ Mexico
- ▶ United Kingdom
- ▶ France
- ▶ Germany
- ▶ Sweden
- ▶ Brazil
- ▶ Netherlands
- ▶ Belgium
- ▶ Spain
- ▶ Korea

Operates 22 manufacturing plants and eight sales centers worldwide. Facilities in:

- ▶ United States
- ▶ Canada
- ▶ Mexico
- ▶ Italy
- ▶ Germany
- ▶ United Kingdom
- ▶ Korea
- ▶ Brazil
- ▶ Switzerland
- ▶ Czech Republic
- ▶ Japan
- ▶ France

Operates 21 manufacturing plants, with more than 200 distributors worldwide. Joint ventures in Mexico and China. Facilities in:

- ▶ United States
- ▶ Canada
- ▶ Mexico
- ▶ Denmark
- ▶ United Kingdom
- ▶ France
- ▶ Germany
- ▶ Italy
- ▶ Spain
- ▶ Czech Republic
- ▶ Argentina
- ▶ Brazil
- ▶ Japan

Operates 13 manufacturing facilities with a network of more than 500 distributors worldwide and technical assistance in every major industrial area. Facilities in:

- ▶ United States
- ▶ United Kingdom
- ▶ Finland
- ▶ Brazil
- ▶ France
- ▶ Germany
- ▶ Korea
- ▶ Australia

Operates 12 manufacturing plants and four sales offices, Company stores and customer service centers with more than 300 distributors worldwide. Facilities in:

- ▶ United States
- ▶ Canada
- ▶ United Kingdom
- ▶ France

PRODUCTS

- ▶ Flight control actuation
- ▶ Thrust-reverse actuation
- ▶ Electrohydraulic servovalves
- ▶ Utility hydraulic systems & components
- ▶ Pumps
- ▶ Fuel systems & components
- ▶ Pneumatic controls
- ▶ Heat exchangers
- ▶ Fluid metering delivery & atomization devices
- ▶ Wheels & brakes



- ▶ Rubber & thermoplastic hose
- ▶ Tube fittings & adapters
- ▶ Tubing & plastic fittings
- ▶ Brass fittings & valves
- ▶ Hose couplings
- ▶ Quick disconnects
- ▶ Check valves
- ▶ Expert systems
- ▶ Custom couplings & fittings



- ▶ Hydraulic cylinders
- ▶ Accumulators
- ▶ Rotary actuators
- ▶ Hydraulic valves
- ▶ Hydraulic motors & pumps
- ▶ Hydrostatic steering
- ▶ Power units
- ▶ Electrohydraulic systems
- ▶ Metering pumps
- ▶ Integrated hydraulic circuits
- ▶ InPHorm sizing and selection software



- ▶ Pneumatic valves
- ▶ Air preparation units
- ▶ Indexers, stepper & servo drives
- ▶ Multi-axis positioning tables
- ▶ Electric & pneumatic cylinders
- ▶ Structural extrusions
- ▶ Vacuum products
- ▶ Pneumatic logic
- ▶ Human/machine interface hardware & software



- ▶ Hose & hose assemblies
- ▶ Tube assemblies
- ▶ Thermostatic & electronic expansion valves
- ▶ Refrigeration & general-purpose solenoid valves
- ▶ Flo-raters & distributors
- ▶ Pressure regulators
- ▶ Filter dryers
- ▶ Accumulators & receivers
- ▶ Mufflers
- ▶ Spun copper components
- ▶ Process control valves
- ▶ Gerotors



- ▶ O-rings & molded shapes
- ▶ Hydraulic & pneumatic seals & packings
- ▶ Extruded & precision cut seals
- ▶ Metal/rubber combinations
- ▶ Teflon® seals
- ▶ EMI shielding/grounding
- ▶ Thermal management materials
- ▶ Plastic/rubber combination seals



- ▶ Hydraulic, lubrication & coolant filters
- ▶ Process, chemical & microfiltration filters
- ▶ Compressed air & gas purification filters
- ▶ Lube oil & fuel filters
- ▶ Thermal management filters
- ▶ Fuel filters/water separators
- ▶ Cabin air filters
- ▶ Condition monitoring
- ▶ Aviation fuel filters



- ▶ Instrumentation fittings
- ▶ Ultra-high-purity fittings & gaskets
- ▶ Ball, plug, needle & check valves
- ▶ Diaphragm & bellows valves
- ▶ Compressed air & gas purification filters, valves & pumps
- ▶ Regulators & transducers
- ▶ CGA, DIN, JIS & British Standard cylinder connections
- ▶ Miniature solenoid valves
- ▶ Multi-solenoid manifolds
- ▶ Quick connects & hose products



Teflon® is a registered trademark of the E.I. duPont de Nemours & Co.