



# GOODRICH

GOODRICH  
 Four Coliseum Centre  
 2730 West Tyvola Road  
 Charlotte, NC 28217, USA  
 Tel: (704) 423-7000 Fax: (704) 423-7127  
 www.goodrich.com

**Employment:** 18,000 (Does not include former TRW Aeronautical Systems.)

**Officers:**

**President & COO** Marshall O. Larsen; **President, Electronic Systems Segment** Cindy Egnotovich; **President, Airframe Systems Segment** John J. Grisik; **President, Engine Systems Segment** Jack Carmola

**Aerospace Organization/Products:**

In October 2002, Goodrich acquired TRW Aeronautical Systems. At the time of acquisition, the TRW businesses to be integrated were: Actuation (Flight Controls & Missiles), Cargo Systems, Customer Support Network, Engine Controls, and Power Systems (which includes Hoists and Winches & Power Generation/Management).

**Airframe Systems (Cleveland, OH, USA):**

**Actuation Systems** (Wolverhampton, UK): Supplies actuation systems for fins and wings and thrust vectoring control systems for missiles. **AS Customer Services** (Charlotte, NC, USA): Supplies spares, overhaul facilities and technical support to equipment operators through centers in the Americas, Asia-Pacific and Europe. **Aviation Technical Services** (Everett, WA, USA): Offers aircraft maintenance and overhaul and repair services.

**Engineered Polymer Products** (Jacksonville, FL, USA): Creates component designs and manufactures marine composites. **Landing Gear** (Brecksville, OH, USA): Supports military and commercial customers. **Landing Gear Services** (Miami, FL, USA): Provides landing gear and wheel and brake overhaul services. **Wheels and Brakes** (Troy, OH, USA): Designs, manufactures and services aircraft wheels and brakes.

**Electronic Systems (Charlotte, NC, USA):**

Designs, manufactures and supports avionics systems, air data products, fuel and aircraft utilities, engine sensors, ice detectors, microelectromechanical machine devices, as well as optical and space systems. Includes: **Aircraft Interior Products** (Phoenix, AZ, USA), **Avionics** (Grand Rapids, MI, USA), **Deicing and Specialty Systems** (Akron, OH, USA), **Fuel and Utility Systems** (Vergennes, VT, USA), **Lighting Systems** (Lipstadt, Germany and Oldsmar, FL, USA), **Optical and Space Systems** (Danbury, CT, USA), **Power Systems** (Pitstone Green, UK), **Propulsion Systems** (Phoenix, AZ, USA) and **Sensor Systems** (Burnsville, MN, USA).

**Engine Systems (Charlotte, NC, USA):**

Designs, manufactures and supports aircraft fuel pumps and engine controls, engine fuel components, turbine airfoils and rotating assemblies, emergency evacuation slides and rafts, crew and attendant seating, passenger restraints, ejection seats and deicing systems. Includes: **Aerostructures** (Chula Vista, CA, USA), **Cargo Systems**, **Engine Controls** (Birmingham, UK), **Turbine Fuel Technologies** (West Des Moines, IA, USA) and **Turbomachinery Products** (Chandler, AZ, USA).

**FINANCIALS (\$ MILLIONS)\*:**

	2000 <sup>†</sup>	2001	% Change
Operating Revenues	3,701	4,185	13%
Operating Expenses	—	—	—
Net Profits	266	306	15%
Debt to Equity Ratio	—	—	—

\* Continuing operations—excluding special items.

† Values updated from 2002 Source Book.