



**EATON CORPORATION**  
 Eaton Center, 1111 Superior Avenue  
 Cleveland, OH 44114, USA  
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 www.eaton.com

**Employment:** Total 51,000 (3,400 aerospace)

**Officers:**

**Chairman, President and CEO** Alexander M. Cutler  
**Senior Vice President and Group Executive-Fluid Power** Craig Arnold  
**VP Aerospace Operations** Bradley Morton

**Aerospace Organization/Products:**

**Eaton Aerospace Headquarters (Irvine, CA, USA):**

**Aerospace Actuation Systems** (Los Angeles, CA, and Grand Rapids, MI, both USA): Hydraulic and electro-mechanical actuation and motion control products and systems including AC/DC electric motors, flap/slat linear actuators, power drive units, electronic controls, trim actuators, hydraulic valves, fluid manifolds and reservoirs, electromechanical servo and utility actuators, powered cargo handling and Sterer brand nose wheel steering systems. **Aerospace Electric Distribution & Controls** (Costa Mesa, CA, Sarasota, FL, both USA): Cockpit controls, displays, electrical sub-systems including Eaton brand cockpit LED switches, integrated cockpit keyboards, integrated array control panels, night-vision-compatible LED illuminated displays and switches, relays, remote control circuit breakers, integrated AC/DC power modules and arc fault circuit interrupters. **Aerospace Engineered Sensors** (Bethel, CT, and Glenolden, PA, both USA): Pressure sensors and fluid monitoring systems including pressure transducers and switches, Tedeco brand fluid debris detection and collection products, gearbox breathers, sight gauges, float switches and electronic failure detection systems. **Aerospace Fluid Conveyance** (Serres Castet, France; Gilching, Germany; Lakeside, UK; Toccoa, GA, Ann Arbor, MI, and Jackson, MS, all USA): Fluid conveyance and distribution systems, hoses, couplings, clamps, swivels, flanges, tube assemblies, Engine Built Unit and landing gear dressing including Aeroquip brand hoses, tubes, clamps and fittings, noise dampening products and Rotomold plastic components, Teflon fittings, swivel joints, flexible fuel duct assemblies, self-sealing quick disconnect couplings, Rynglok fittings, stainless steel and titanium tube assemblies, self-sealing breakaway fuel couplings and ground service refueling couplings. **Aerospace Fluid Power** (Bedhampton, UK; Jackson, MS, and Charleston, SC, both USA): Fluid power generation, utility and auxiliary hydraulic fluid power and fuel pump products and systems, including Vickers brand hydraulic pumps, electric motorpumps, hydraulic motor-driven generators, integrated packages and electronic controls.

<b>FINANCIALS (\$ MILLIONS):</b>	<b>2001†</b>	<b>2002</b>	<b>% Change</b>
Operating Revenues	7,299	7,209	(1%)
Operating Expenses	7,130	6,928	(3%)
Net Profits	169	281	66%
Debt to Equity Ratio	99%	91%	(8%)

† Values updated from 2003 Source Book.



**ELBIT SYSTEMS LTD.**  
 Advanced Technology Center  
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 www.elbit.co.il

**Employment:** 5,236

**Officers:**

**Chairman** Michael Federmann  
**President & CEO** Joseph Ackerman  
**VP & CFO** Joseph Gaspar

**Aerospace Organization/Products:**

**Airborne Systems:** Performs upgrades on fixed-wing aircraft and helicopters. Develops and produces helmet-mounted display systems, weapons delivery and navigation systems, airborne computer systems, cockpit display systems, head-up displays and moving maps, stores management systems, precision guidance and airborne reconnaissance systems, helicopter avionics systems, C<sup>4</sup>I systems, UAVs, advanced laser designators, rangefinders and third-generation Flir optronic payloads. **Ground Systems:** Performs combat vehicle upgrades, develops and produces tank fire-control systems incorporating eye-safe lasers and state-of-the-art Flirs, electric turret drive and control systems, artillery command- and control-systems, day-night observation systems, digital image processing and communications systems, C<sup>4</sup>ISR systems, training systems and paramilitary systems. **Naval Combat Systems Integration:** Produces C<sup>3</sup> systems, communications systems, electronic warfare systems, tactical control systems and computerized training and simulation systems. **Space:** Offers a variety of complex space electro-optical payloads with data links and ground stations for governmental, commercial and scientific applications.

**Major Subsidiaries:**

**AEL** (Porto Alegre, Brazil): Produces and logistically supports advanced defense electronics programs in Brazil and for export. **Cyclone Aviation Products Ltd.** (Karmiel, Israel): Designs and produces aircraft structures and provides maintenance services for fixed-wing aircraft and helicopters. **Cy-Optics Ltd.** (Yokneam, Israel): Develops components for optical communication in the field of wave-length domain multiplexing. **EFW Inc.** (Fort Worth, TX, USA): Products and systems include digital map systems

(for the V-22 and others), helmet-mounted displays, mission computers, stores management systems and flight control systems (for the F-16 and others), central computer and other units for the Bradley A-3 armored fighting vehicle. **EI-Op ElectroOptics Industries** (Rehovot, Israel): Designs and manufactures advanced electro-optical products and systems for military and civilian purposes. Business areas include development and production of thermal imaging products, laser products, displays, optical systems for space applications, airborne reconnaissance systems, stabilized E/O payloads, optical communications systems, fire control systems for combat vehicles and security systems and products. **ESL-AIT** (Vienna, Austria): Designs and manufactures C<sup>4</sup>I-STAR systems, software-intensive systems and telecommunications systems. **IEI** (Talladega, AL, USA): Provides depot level repair, maintenance and logistics support for various electronic systems installed on aircraft and ships. **Kinetics Ltd.** (Or-Yehuda, Israel): Develops and manufactures hydraulic and mechanical systems. **Opgal Optronics industries Ltd.** (Karmiel, Israel): Develops and manufactures thermal imaging and electro-optic systems for commercial applications. **Ortek Ltd.** (Sderot, Israel): Security systems and products, also night-vision instruments. **Semi-Conductors Devices (SCD)** (Karmiel, Israel): Designs and makes solid-state components (sensors and laser equipment). **Silver Arrow** (Rishon-Lezion, Israel): Develops and produces UAV systems for various mission applications, provides logistics support capabilities.

**Joint Ventures:**

**Vision Systems Int'l. LLC. (VSI)**, partner: Kaiser Electronics Inc. (USA).

<b>FINANCIALS (\$ MILLIONS):</b>	<b>2001†</b>	<b>2002</b>	<b>% Change</b>
Operating Revenues	765	827	8%
Operating Expenses	708	760	7%
Net Profits	44*	50**	14%
Debt to Equity Ratio	31%	25%	(19%)

\*Excludes goodwill amortization in 2001. \*\*Excludes non-recurring tax adjustment and one-time charge.  
 † Values updated from 2003 Source Book.