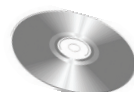


LARGEST MANUFACTURING COMPANIES

RANKED BY FTE EMPLOYEES

Rank	Company Address Phone/web site address	Full-time equivalent local employees ¹	Full-time equivalent employees in Ohio	Parent company headquarters	Local manufacturing facilities	Products manufactured locally	Top local executive
1	FORD MOTOR CO. 17601 Brookpark Road, Brook Park 44142 800-392-3673/www.ford.com	8,875	15,010	Dearborn, Mich.	Avon Lake, Lorain, Brook Park, Walton Hills	Engines, body panels, metal stampings, vans, SUVs	NA
2	GOODYEAR TIRE & RUBBER CO. 1144 E. Market St., Akron 44316 330-796-2121/www.goodyear.com	3,500	5,000	Akron	Akron	Race car tires, experimental/development tires	Robert J. Keegan, chairman, president, CEO
3	KRAFTMAID CABINETRY INC. 15535 S. State Ave., Middlefield 44062 440-632-5333/www.kraftmaid.com	3,465	3,471	Masco Corp.; Taylor, Mich.	Middlefield (2), Orwell	Kitchen, bath and home cabinetry	Tom Chieffe, president
4	SWAGELOK CO. 29500 Solon Road, Solon 44139 440-248-4600/www.swagelok.com	3,000	3,000	Solon	Aurora, Solon, Highland Heights	Fluid system components	Arthur F. Anton, president, CEO
5	SHERWIN-WILLIAMS CO. 101 Prospect Ave., NW, Cleveland 44115 216-566-2000/www.sherwin-williams.com	2,689	3,523	Cleveland	Cleveland, Bedford Heights, Medina	Aerosol filling and packaging	Christopher M. Connor, chairman, CEO
6	GENERAL MOTORS CORP. 5400 Chevrolet Blvd., Parma 44130 216-265-5000/www.gm.com	2,677	NA	Detroit	Parma	Metal stampings, metal assemblies, transmission components	Bruce Pierson, plant manager
7	LINCOLN ELECTRIC HOLDINGS INC. 22801 St. Clair Ave., Cleveland 44117 216-481-8100/www.lincolnelectric.com	2,598	2,602	Cleveland	Euclid, Mentor	Arc welding products, thermal cutting products and robotic welding systems	John M. Stropki Jr., chairman, CEO
8	PARKER HANNIFIN CORP. 6035 Parkland Blvd., Cleveland 44124 216-896-3000/www.parker.com	2,344	4,621	Cleveland	Eastlake, Elyria, Ravenna, Wickliffe	Hoses, fittings, valves	Donald E. Washkewicz, chairman, CEO
9	LUBRIZOL CORP. 29400 Lakeland Blvd., Wickliffe 44092 440-347-4200/www.lubrizol.com	2,200	2,278	Wickliffe	Painesville, Avon Lake, Akron, Chagrin Falls	Specialty chemicals; lubricant additives, fuel additives, ingredients for personal care products	James L. Hambrick, chairman, president, CEO
10	DAIMLERCHRYSLER CORP. 2000 E. Aurora Road, Twinsburg 44087 330-425-1777/www.daimlerchrysler.com	2,000	NA	Auburn Hills, Mich.	Twinsburg	Automotive body stampings and sub-assemblies	Ronald Willmowitz, plant manager
11	ROCKWELL AUTOMATION 1 Allen-Bradley Drive, Mayfield Heights 44124 440-646-5000/www.rockwellautomation.com	1,978	2,518	Milwaukee	Twinsburg, Warrensville Heights	Control Logix, Compact Logix, specialty I/O, ISA based products, PLC-5	Steven A. Eisenbrown, senior vice president, Automation Control and Information Group
12	AVERY DENNISON 7590 Auburn Road, Painesville 44077 440-358-6000/www.averydennison.com	1,790	1,897	Pasadena, Calif.	Painesville, Mentor, Concord, Strongsville, Cleveland	Pressure sensitive paper, film and foil, specialty tapes and graphic materials	Christian A. Simcic, group vice president, Roll Material Worldwide
13	MITTAL STEEL USA 4020 Kinross Lakes Parkway, Richfield 44286 330-659-9100/www.mittalsteel.com	1,628	1,871	Chicago	Cleveland	Flat rolled steel	Bill Brake, exec. vice president, operations East
14	NESTLE USA 30003 Bainbridge Road, Solon 44139 440-349-5757/www.nestleusa.com	1,610	NA	Nestle USA Inc.; Glendale, Calif.	Solon	Stouffers and Lean Cuisine frozen prepared meals	Stephen J. Cunliffe, president, Nestle Prepared Foods Co.
15	DIEBOLD INC. 5995 Mayfair Road, North Canton 44720 330-490-4000/www.diebold.com	1,600	2,000	North Canton	Newark	ATM assembly	Walden W. O'Dell, chairman, CEO
15	GE CONSUMER & INDUSTRIAL 1975 Noble Road, East Cleveland 44112 216-266-2222/www.geconsumerandindustrial.com	1,600	3,350	General Electric; Fairfield, Conn.	Cleveland, Euclid, Ravenna, Willoughby	Consumer/commercial lighting products	Michael B. Petras Jr., vice president and area executive, GE Cleveland
17	INVACARE CORP. One Invacare Way, Elyria 44035 440-329-6000/www.invacare.com	1,537	1,554	Elyria	Elyria, North Ridgeville	Powerchairs, handcycles, custom manual wheelchairs	A. Malachi Mixon III, chairman, CEO
18	BABCOCK & WILCOX CO. 20 S. Van Buren Ave., Barberton 44203 330-753-4511/www.babcock.com	1,500	2,711	McDermott Int'l. Inc.; New Orleans	Barberton, Copley	Boiler replacement parts and components	David L. Keller, president, COO
19	SCOTT FETZER CO. 28800 Clemens Road, Westlake 44145 440-892-3000/www.berkshirehathaway.com	1,445	2,183	Berkshire Hathaway; Omaha, Neb.	Avon, Bedford, Chagrin Falls, Cleveland	Home cleaning products, medical and industrial fittings, regulators, explosion proof enclosures	Kenneth J. Semelsberger, president, CEO
20	ALCOA 1600 Harvard Ave., Cleveland 44105 216-641-3600/www.alcoa.com	1,377	1,377	Pittsburgh	Cuyahoga Heights, Cleveland, Barberton	Aluminum forged wheels for commercial vehicles, automobiles motorcycles, tanks and airplanes	Bill Christopher, exec. vp, Alcoa; group president, Alcoa Automotive, Aerospace
21	BRIDGESTONE AMERICAS HOLDING INC. 1200 Firestone Pkwy., Akron 44317 330-379-7000/www.bridgestoneamericas.com	1,359	1,956	Bridgestone Corp.; Tokyo, Japan	Akron	Racing tires, polymer products	Hank Hara, president, product development
22	SHILOH INDUSTRIES INC. 880 Steel Drive, Valley City 44280 330-558-2600/www.shiloh.com	1,125	1,355	Cleveland	Parma, Valley City, Wellington	Engineered steel products, engineered welded blanks, stampings and processed steel	Theodore K. Zampetis, president, CEO
23	REPUBLIC ENGINEERED PRODUCTS INC. 3770 Embassy Pkwy., Akron 44333 330-670-3000/www.republicengineered.com	1,100	1,900	Akron	Canton, Massillon (2), Lorain	Steel bar products, hot rolled and cold finished	Joseph F. Lapinsky, president, CEO
24	EATON CORP. 1111 Superior Ave., Cleveland 44114 216-523-5000/www.eaton.com	1,073	2,900	Cleveland	Brooklyn, Parma	Industrial clutches, electrical assembly, metal fabrication	Alexander M. Cutler, chairman, CEO
25	PHILIPS MEDICAL SYSTEMS 595 Miner Road, Highland Heights 44143 440-483-3000/www.medical.philips.com/us	1,000	1,000	Royal Philips Electronics; Amsterdam, Netherlands	Highland Heights	Computed tomography, magnetic resonance imaging, PET scanners	Jim Fulton, senior vice president general manager, computed tomography

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LIST RESEARCHED BY DEBORAH W. HILLYER

LARGEST MANUFACTURING COMPANIES

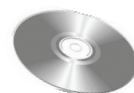
RANKED BY FTE EMPLOYEES

Rank	Company Address Phone/web site address	Full-time equivalent local employees ¹	Full-time equivalent employees in Ohio	Parent company headquarters	Local manufacturing facilities	Products manufactured locally	Top local executive
26	MYERS INDUSTRIES INC. 1293 S. Main St., Akron 44301 330-253-5592/www.myersind.com	868	1,320	Akron	Middlefield, Akron, Wadsworth	Plastic containers, nursery containers, flower pots	John Orr, president, CEO
27	STERIS CORP. 5960 Heisley Road, Mentor 44060 440-354-2600/www.steris.com	865	927	Mentor	Mentor	Steris System1 sterilization equipment and chemistries, biological and chemical indicators	Les C. Vinney, president, CEO
28	PPG INDUSTRIES INC. 3800 W. 143rd St., Cleveland 44111 216-671-0050/www.ppg.com	840	1,800	Pittsburgh	Cleveland, Strongsville	Powder coatings, automotive coatings	Larry Corrigan, plant manager
29	RPM INTERNATIONAL INC. PO Box 777, Medina 44258 330-273-5090/www.rpminc.com	825	1,154	Medina	Cleveland, Medina, Twinsburg	Day-glo fluorescent pigments, Euclid Chemical masonry products, Tremco sealants	Frank C. Sullivan, president, CEO
30	LITTLE TIKES CO. 2180 Barlow Road, Hudson 44236 330-656-3906/www.littletikes.com	800	800	Newell Rubbermaid Inc.; Atlanta	Hudson	Children's toys and juvenile furniture	Dave Reed, president
31	GOODRICH LANDING GEAR 8000 Marble Ave., Cleveland 44105 216-341-1700/www.goodrich.com	719	1,200	Goodrich Corp.; Charlotte	Cleveland	Landing gear systems, high temperature resin	Theunis Botha, president
32	POLYONE CORP. 33587 Walker Road, Avon Lake 44012 440-930-1000/www.polyone.com	700	975	Avon Lake	Avon Lake, Broadview Heights, Macedonia	Plastics, compounds and additives	William F. Patient, interim CEO
33	AIRCRAFT BRAKING SYSTEMS CORP. 1204 Massillon Road, Akron 44306 330-796-4400/www.aircraftbraking.com	686	686	K & F Industries Inc.; New York	Akron	Aircraft wheels, brakes and brake control systems	R.W. Johnson, senior vice president, finance and administration
34	MOEN INC. 25300 Al Moen Drive, North Olmsted 44070 440-962-2000/www.moen.com	649	686	Fortune Brands; Lincolnshire Ill	Elyria, North Olmsted	Kitchen and bath faucets, sinks and bathroom accessories	Richard E. Posey, president, CEO
35	NORDSON CORP. 28601 Clemens Road, Westlake 44145 440-892-1580/www.nordson.com	639	639	Westlake	Amherst	Finishing application equipment	Edward P. Campbell, chairman, CEO
36	RIDGE TOOL CO. 400 Clark St., Elyria 44035 440-323-5581/www.ridgid.com	625	705	Emerson Electric Co.; St. Louis	Elyria	Pipe-working tools	Frederick D. Pond, president
37	FERRO CORP. 1000 Lakeside Ave., Cleveland 44114 216-641-8580/www.ferro.com	616	782	Cleveland	Cleveland, Walton Hills	Porcelain enamel, polymer additives, electronic materials	James F. Kirsch, CEO
38	LOCKHEED MARTIN MARITIME SYSTEMS & SENSORS ² 1210 Massillon Road, Akron 44315 330-796-2800/www.lockheedmartin.com	600	600	Lockheed Martin Corp.; Bethesda, Maryland	Akron	Flight simulators, guidance systems, sensor systems, LaserNet, tactical systems	J. Daniel Howard, vice president, general manager
39	HAWK CORP. 200 Public Square, Suite 1500, Cleveland 44114 216-861-3553/www.hawkcorp.com	597	597	Cleveland	Akron, Brook Park, Medina, Solon	Friction materials for aircraft and industrial brake clutch and transmission applications	Ronald E. Weinberg, chairman, CEO
40	ABB INC. 29801 Euclid Ave., Wickliffe 44092 440-585-8500/www.abb.com	550	755	ABB Group; Zurich, Switzerland	Wickliffe	Industrial computer control systems	Kevin McAllister, senior vice president
41	HENKEL CONSUMER ADHESIVES INC. 32150 Just Imagine Drive, Avon 44011 440-937-7000/www.henkelca.com	484	484	Henkel Corp.; Dusseldorf, Germany	Avon, Mentor	Sealants, solvent-based adhesives, Duck brand carpet tapes	John Kahl, CEO
42	STEP2 CO. 10010 Aurora-Hudson Road, Streetsboro 44241 330-656-0440/www.step2.com	419	759	Streetsboro	Streetsboro	Plastic children's toys and home and garden products	Thomas G. Murdough, chairman, CEO
43	EMERSON NETWORK POWER, ENERGY SYSTEMS INC. 1122 F. St., Lorain 44035 440-288-1122/www.gotoemerson.com	400	450	Emerson Electric Co.; St. Louis	Lorain	Network power systems for telecommunications industry	David Smith, executive vice president
44	SGS TOOL CO. 55 S. Main St., Munroe Falls 44262 330-688-6667/www.sgstool.com	337	337	Munroe Falls	Cuhahoga Falls, Munroe Falls	End mills, burs, drills, precision cutting tools	Thomas J. Haag, president, COO
45	OMNOVA SOLUTIONS INC. 175 Ghent Road, Fairlawn 44333 330-869-4200/www.omnova.com	330	385	Fairlawn	Mogadore	Emulsion polymers and specialty chemicals	Kevin M. McMullen, chairman, CEO

NA=Not Available. ¹ Employment numbers as of Jan. 1, 2005. ² Information is from the 2004 Largest Manufacturing Companies list.

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