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SUPPLEMENT TO

Automotive News

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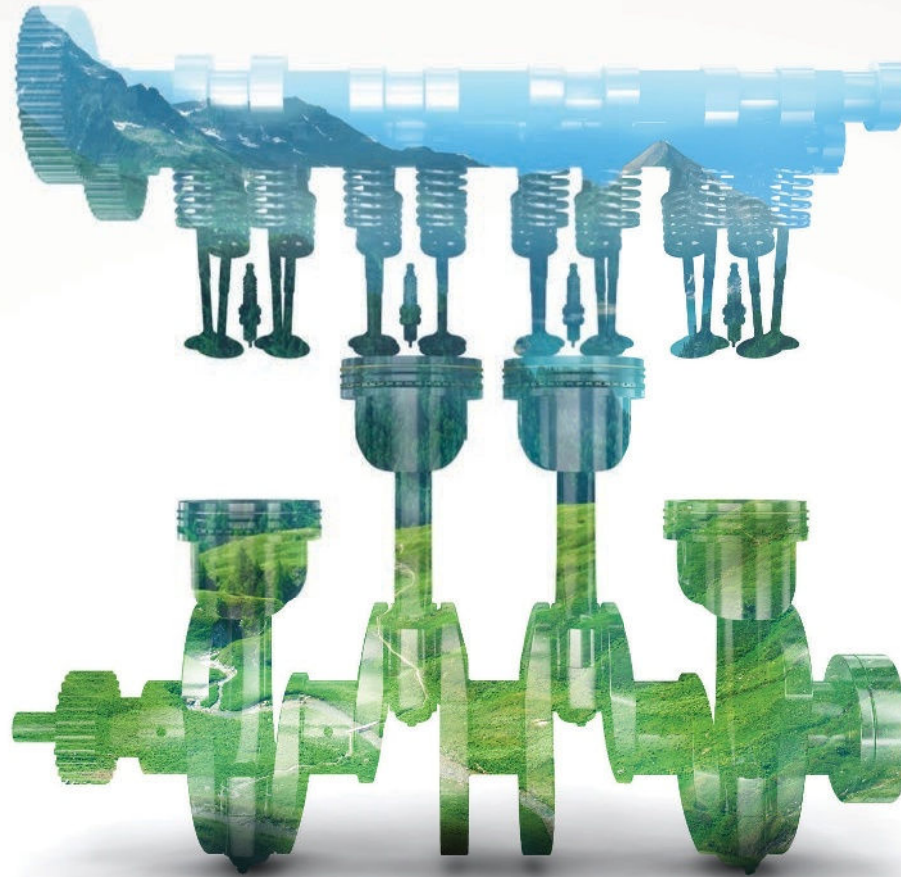
JUNE 25, 2018

North America, Europe
and the world

TOP
SUPPLIERS

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We start with an idea that evolves to benefit mankind.

As producers of breakthrough advancements in component design, materials and more efficient propulsion, we drive lighter weight powertrain solutions that help our customers improve fuel economy and reduce harmful emissions. Cleaner technologies create better internal combustion engines for a better world.

Despite steady numbers, sector churns

Lindsay Chappell

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The world's biggest auto parts makers might look largely unchanged from year to year, according to *Automotive News'* 2018 top suppliers ranking.

The combined revenue of the 10 largest companies rose to \$315.44 billion last year — a respectable if modest gain of just under 8 percent from a year earlier.

But below the surface, it's a different story.

Technologies, strategies and boardroom drama have roiled the supplier segment over the last year. Acquisitions and spinoffs have changed the identities — and even the names — of several companies, while suppliers globally peer into the auto industry's not-too-distant future to rethink what role they might play and what parts technologies they will need to obtain to play it.

Here are just some of the behind-the-scenes changes that have churned the industry in recent months.

Robert Bosch (No. 1): The world's largest parts supplier launched a center for artificial intelligence last year to dive into AI skills. At the same, it consolidated its traditional powertrain units, exited the generator and starter motor businesses and declared its interest in becoming a "connected mobility services" supplier.

Lear Corp. (No. 8): Lear is moving deeper into advanced electronics through acquisitions of companies such as Israeli GPS developer EXO Technologies. Lear's quest is to elevate its long-standing core business of seats into smart systems that can anticipate traffic conditions and personalize the cabin space of future vehicles.

Adient (No. 11): The spun-off seat business of Johnson Controls, Adient intends to zero in on seating, separating itself from the distractions of interiors and JCI's other historic automotive mainstay, batteries. The seat maker now has launched Adient Aerospace, a joint venture with Boeing to develop and produce



Robert Bosch associates research machine learning at supplier's Center for Artificial Intelligence in Renningen, Germany. Bosch topped the list of the world's biggest suppliers.

airplane seats in Kaiserslautern, Germany, in pursuit of a new market estimated to be worth \$6 billion by 2026.

Yanfeng (No. 16): China's Yanfeng is moving fast in North America and Europe. It is a wholly owned subsidiary of Huayu Automotive Systems Co., which is the component group of Shanghai Automotive Industry Corp., and has grown rapidly in the U.S. in recent years through its Yanfeng Automotive Interiors unit. That operation was formed as a joint venture with Adient three years ago. At the time, Yanfeng envisioned revenue reaching \$10 billion. Although U.S. sales declined slightly, the company closed 2017 with global sales of more than \$14 billion.

Toyota Boshoku Corp. (No. 17): Toyota Boshoku is following a business plan that calls for advanced products and increased r&d through 2030. Last year, the company unveiled a patented high-impact-resistant plastic that it expects to yield new interior and exterior components, as well as surfaces for consumer goods, such as luggage. Other futuristic ideas were contained in its recent concept car, Mox. Among them: vehicle

windows that can change colors to display a driver's mood.

JTEKT Corp. (No. 18): The normally low-profile Japanese steering and bearings supplier JTEKT found itself making significant changes last year. It acquired Indian supplier Sona Koyo Steering Systems and then initiated a takeover of steering column supplier Fuji Kiko Co. JTEKT, which has multiple operations in North America, also opened a plant in Morocco in a bid to boost volumes in North Africa and Europe.

Thyssenkrupp (No. 19): Things have been touchy lately at the diverse German steel and structural components supplier Thyssenkrupp. A proposed multibillion-dollar deal to combine its European steel operations with Tata Steel has ignited criticism from both its labor union and stock activists who are clamoring for management changes.

Aptiv (No. 21): Delphi Automotive once made parts ranging from spark plugs to seat belts. Aptiv, the recently renamed operations of Delphi — minus the spun-off business of Delphi Technologies — is busily carving out a new strategy. Last year, it spent \$400 million to

acquire nuTonomy, a Boston developer of autonomous vehicle software. It now has put a fleet of self-driving cars into Lyft's service in Las Vegas, with an eye to expand the program to other cities.

Magneti Marelli (No. 28): Fiat Chrysler Automobiles CEO Sergio Marchionne has floated the idea of selling off global components business Magneti Marelli for the last six years. Marchionne now confirms that the profitable lighting and engine parts supplier is on the block, for at least \$3.3 billion. A number of suitors in Asia, Europe and North America are reportedly interested.

Calsonic Kasei Corp. (No. 29): Nissan Motor Co.'s desire to step up funding for its development of advanced mobility solutions, including work on autonomous-driving vehicles, led it to cash out of its long-standing keiretsu supplier, interiors and air-conditioning producer Calsonic Kasei. Last year, KKR & Co. completed its \$4.5 billion acquisition of the supplier, which came with 78 plants and 20,000 employees around the world.

GKN (No. 31): Last year saw the fruits of r&d pay off at the U.K.'s GKN, as its eDrive division posted bigger-than-expected sales growth for its advanced electric driveline technology. But boardroom drama overshadowed it. GKN's plan to spin off its aerospace business brought takeover interests from the London equity firm Melrose Industries. This year, a fight over control erupted, with GKN at one point nearly being acquired by U.S.-based Dana Corp. In the end, Melrose succeeded with a bid of \$11 billion.

American Axle & Manufacturing Holdings Inc. (No. 40): CEO David Dauch took his share of heat from Wall Street over the acquisition of Metaldyne Performance Group Inc. last year. Critics warned that the market was at its peak and the \$1.6 billion deal was overpriced. But Dauch closed the year with a zoom in global parts sales, higher earnings and a welcome diversification of American Axle's global customer base. **AN**

Top 100 global OEM parts suppliers – Ranked by sales of original equipment parts in 2017

2017 rank	Company	Address	Executive	Total global OEM automotive parts sales (dollars in millions) 2017	Total global OEM automotive parts sales (dollars in millions) 2016	Percent North America 2017	Percent Europe 2017	Percent Asia 2017	Percent rest of world 2017	Products	2016 rank
1	Robert Bosch GmbH (49) 711-811-0; bosch.com	Postfach 106050 Stuttgart, D-70049, Germany	Volkmar Denner chairman	\$47,500 f	\$42,400 e	16	45	37	2	Powertrain solutions; chassis systems controls; electrical drives, car multimedia, electronics, steering systems & battery technology	1
2	Denso Corp. (81) 566-25-5511; denso.com	1-1 Showo-cho Kariya-Aichi, 448-8661, Japan	Koji Arima president & CEO	40,782 fe	36,184 fe	23	13	63	1	Thermal, powertrain control, electronic & electric systems; small motors, telecommunications	4
3	Magna International Inc. (905) 726-2462; magna.com	337 Magna Drive Aurora, Ontario, L4G 7K1, Canada	Donald Walker CEO	38,946	36,445	54	38	7	1	Body exteriors & structures; power & vision technologies; seating systems & complete vehicle solutions	3
4	Continental AG (49) 511-938-01; conti-online.com	Vahrenwalder Strasse 9 Hanover, 30165, Germany	Elmar Degenhart CEO	35,910	32,676	25	49	22	4	Advanced driver assistance systems, electronic brakes; stability management, tires, foundation brakes, chassis systems, safety electronics, telematics, powertrain electronics, injection systems & turbochargers	5
5	ZF Friedrichshafen AG (49) 7541-77-0; zf.com	Graf-von-Soden-Platz 1, Friedrichshafen, Baden-Wuerttemberg, 88046, Germany	Wolf-Henning Scheider CEO	34,481	32,690 f	27	48	21	4	Transmissions, chassis components & systems, steering systems, 2 braking systems, clutches, dampers, active & passive safety systems, driver assist systems including camera, radar & lidar	2
6	Aisin Seiki Co. (81) 566-24-8441; aisin.co.jp	2-1 Asahi-Machi Kariya, Aichi, 448-8650, Japan	Kanshiro Toyoda chairman	33,837	31,389 f	17	10	72	1	Body, brake & chassis systems, electronics, drivetrain & engine components	6
7	Hyundai Mobis (82) 2-2018-5114; mobis.co.kr	203 Tehera-ro, Gangnam-gu Seoul, 06141, Korea	Young Deuk Lim CEO	24,984	27,207	20	14	62	4	Automotive electronics, infotainment, ADAS, EV systems, module systems, lighting, airbag & brakes	7
8	Lear Corp. (248) 447-1500; lear.com	21557 Telegraph Road Southfield, MI 48033, USA	Raymond Scott president & CEO	20,467	18,558	38	40	18	4	Seating & electrical systems (E-Systems)	9
9	Valeo SA (33) 1-40-55-20-20; valeo.com	43 Rue Bayen Paris, 75017, France	Jacques Aschenbroich chairman & CEO	19,360	15,220 e	21	47	30	2	Micro hybrid systems, electrical & electronic systems, thermal systems, transmissions, wiper systems, camera/sensor technology, security systems, interior controls	10
10	Faurecia (33) 1-72-36-70-00; faurecia.com	2 Rue Hennape Nanterre, 92735, France	Patrick Koller CEO	19,170	20,700	26	50	17	7	Seating, emissions control technologies & interior systems	8
11	Adient (734) 254-5000; adient.com	49200 Halyard Drive Plymouth, MI 48170, USA	Fritz Henderson interim CEO	16,200	16,837 f	31	26	43	-	Seating & seating systems & components	11
12	Yazaki Corp. (81) 0559-65-3002; yazaki-group.com	1500 Mishuku, Susono City, Shizuoka Prefecture 410-1194, Japan	Shinji Yazaki president	15,754	15,600	26	17	52	5	Wiring harnesses, connectors, junction boxes, power distribution boxes, instrumentation & high voltage systems	13
13	Panasonic Automotive Systems Co. (81) 6-6908-1121; panasonic.net	1006, Oaza Kadoma Kadoma City, Osaka, 571-8501, Japan	Kazuhiro Tsuga president	14,995 fe	11,988 fe	30	14	56	-	Premium audio systems, navigation systems, compressors, batteries, motors, monitors, sensors; switches & HUDs	17
14	Sumitomo Electric Industries (81) 6-6220-4141; sei.co.jp	5-33 Kitahama, 4-chome, Chuo-ku Osaka City, 541-0041, Japan	Osamu Inoue president & COO	14,872 fe	13,488 f	23	N/A	N/A	N/A	Electrical distribution systems, electronics & connection systems	16
15	Mahle GmbH (49) 711-501-0; mahle.com	Pragstrasse 26-46 Stuttgart, 70376, Germany	Joerg Stratmann chairman & CEO	14,441 f	13,635 f	26	48	20	6	Piston systems, cylinders, valvetrains, alternators, air & liquid management systems, vehicle climatization, engine & powertrain cooling, battery cooling, actuators, electric drives & starters	14
16	Yanfeng (86) 21-333-8100; yanfengco.com	399 Liuzhou Road Shanghai, 200235, China	Mingkang He general manager	14,278	12,991	19	12	69	-	Interiors, exteriors, electronics, seating & safety	15
17	Toyota Boshoku Corp. (81) 566-23-6611; toyota-boshoku.com	1-1 Toyoda-cho Kariya-shi, Aichi, 448-8651, Japan	Shuhei Toyoda chairman	13,444 fe	9,683 fe	14	5	79	2	Seats, door trim, carpet, headliners, oil & air filters, door panels, fabrics & substrates	24
18	JTEKT Corp. (81) 52-527-1900; jtekt.co.jp	15th Floor, Midland Square, 4-7-1 Meieki Nakamura-ku, Nagoya, 450-8515, Japan	Tetsuo Agata president	12,709	10,778	19	16	59	6	Bearings, steering systems, driveline systems & machine tools	20
19	Thyssenkrupp AG (49) 201-8440; thyssenkrupp.com	Thyssenkrupp Allee 1 Essen, 45143, Germany	Heinrich Hiesinger CEO	12,591 f	10,986 f	25	65	8	2	Steering, dampers, springs & stabilizers, camshafts, forged machined components, bearings, undercarriage components, axles, forged crankshafts & drivetrain components, high-strength lightweight steels & electrical steel	18
20	BASF SE (49) 621-60-0; basf.com	Carl-Bosch-Strasse 38 Ludwigshafen, 67056, Germany	Martin Brudermueller chairman	12,157 f	10,371 f	24	45	22	9	Coatings, catalysts, engineering plastics, polyurethanes, coolants, 21 brake fluids, lubricants, battery materials	21
21	Aptiv* (44) 163-423-4422; aptiv.com	5 Hanover, Grand Canal Dock Dublin, Leinster, Ireland	Kevin Clark president & CEO	11,824	11,243	36	33	29	2	Electrical & wiring products, body controls, infotainment, safety & autonomous driving technologies	-
22	Schaeffler AG (49) 9132-82-0; schaeffler.com	Industriestrasse 1-3 Herzogenaurach, Bavaria, 91074, Germany	Klaus Rosenfeld CEO	10,798 e	9,008 f	20	50	29	1	Anti-friction bearings; engine, chassis & transmission components, wheel & axle bearings, clutch & transmission systems, dampers & e-mobility products	19

e = estimate f = fiscal year fe = fiscal year estimate

*In Dec. 2017, Delphi Automotive spun off its powertrain segment as Delphi Technologies, while Aptiv emerged as an electrical architecture and autonomous technology business.

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23	Samvardhana Motherson Group (91) 120-6679551; motherson.com	Plot No. 1, Sector 127, Noida - Greater Noida Expwy., Noida, U.P. 201301, India	Vivek Chaand Sehgal chairman	\$10,550	fe \$9,075	20	50	26	4	Rearview mirrors, plastic modules cockpits/IPs, door trims & bumpers, wiring harnesses, plastic parts, rubber components, lighting, air intake manifolds, pedals, shock absorbers, HVAC systems & roof hatches	26
24	Autoliv Inc. (46) 8-587-20-600; autoliv.com	Klarabergsviadukten 70, Section B, 7th Flr. Stockholm, SE-107 24, Sweden	Jan Carlson chairman, president & CEO	10,400	10,074	34	30	27	9	Airbags, seat belts, safety electronics, steering wheels, brake control systems, radar, night vision, camera vision systems	23
25	BorgWarner Inc. (248) 754-9200; borgwarner.com	3850 Hamlin Road Auburn Hills, MI 48326, USA	Frederic Lissalde president & CEO	9,800	9,070	34	38	12	16	Turbochargers, electric motors, electronic control units, engine valve-timing, ignition systems, thermal systems, transmission -clutch systems, transmission-control & torque management systems	27
26	Plastic Omnium Co. (33) 40-87-64-00; plasticomnium.com	1 allée Pierre Burelle Levallois Cedex, 92533, France	Laurent Burelle chairman & CEO	9,596	7,968	26	54	17	3	Fascias, front-end modules, rear-end modules, fenders, body panels & fuel systems	29
27	Gestamp (34) 91-379-19-99; gestamp.com	Alfonso XII, 16 Madrid, Madrid, 28014, Spain	Francisco J. Riberas executive chairman	9,264	8,354	18	62	13	7	Metal components & assemblies, body-in-white, chassis & mechanisms	30
28	Magneti Marelli S.p.A. (39) 02-972-27-111; magnetimarelli.com	Viale Aldo Borletti 61/63 Corbetta, Milan, 20011, Italy	Pietro Gorlier CEO	9,234	f 8,232	17	61	12	10	Lighting, powertrain, electronics, suspensions systems, shock absorbers, exhaust systems & plastic parts	28
29	Calsonic Kansei Corp. (81) 3-5385-0111; calsonickansei.co.jp	2-1917 Nisshin-cho, Kita-ku Saitama City, Saitama, 331-8501, Japan	Beda Bolzenius president & CEO	9,061	fe 10,085	31	12	22	35	Climate control, engine cooling & exhaust systems; instrument clusters, 22 console boxes, cockpit modules, instrument panels & front-end modules	22
30	Hitachi Automotive Systems (81) 3-4232-5300; hitachi-automotive.co.jp	Shin-Otemachi bldg., 2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, 100-0004, Japan	Brice Koch president & CEO	8,900	fe 9,000	f 27	5	62	6	Engine management, electric powertrain & drive control	25
31	GKN plc (44) 1527-517-715; gkn.com	P.O. Box 55 Redditch, Worcestershire, B98 0TL, UK	Philip Swash CEO	8,751	6,740	36	39	22	3	Driveline halfshafts, driveshafts & AWD; powder metal engine & transmission components; automotive structures & chassis systems	37
32	Tenneco Inc. (847) 482-5000; tenneco.com	500 N. Field Drive Lake Forest, IL 60045, USA	Brian Kessler CEO	8,023	7,357	47	35	18	-	Emission control systems, manifolds, catalytic converters, diesel aftertreatment systems, catalytic reduction mufflers, shock absorbers, struts, electronic suspension products & systems	31
33	Flex-N-Gate Corp. (217) 278-2600; flex-n-gate.com	1306 E. University Ave. Urbana, IL 61802, USA	Shahid Khan chairman & CEO	7,551	6,434	80	18	1	1	Interior & exterior plastics, metal bumpers & hitches, structural metal assemblies, forward & signal lighting, mechanical assemblies, prototyping & sequencing	40
34	Koito Manufacturing (81) 3-3443-7111; koito.co.jp	4-8-3 Takanawa, Minato-ku Tokyo, 108-8711, Japan	Masahiro Ohtake chairman & CEO	7,500	f 7,219	22	4	10	64	Exterior lighting	32
35	Toyoda Gosei Co. (81) 052-400-1055; toyoda-gosei.co.jp	1 Haruhinagahata Kiyosu Aichi, 452-8564, Japan	Tadashi Arashima chairman	7,281	f 6,996	30	6	64	-	Safety, sealing & interior systems; optoelectronics, exterior trim, rubber/plastic functionals & fuel systems	35
36	Dana Inc. (419) 887-3000; dana.com	3939 Technology Drive Maumee, OH 43537, USA	James Kamsickas president & CEO	7,209	5,826	51	30	12	7	Axles, driveshafts, sealing & thermal management products	44
37	Brose Fahrzeugteile GmbH (49) 9561-21-0; brose.com	Max-Brose-Str. 1 Coburg, 96450, Germany	Kurt Sauernheimer CEO	7,089	6,783	24	53	21	2	Mechatronic systems for vehicle doors & seats as well as electric motors, drives & electronics, among others for steering, brakes, transmissions & engine cooling	36
38	Hyundai-WIA Corp. (82) 55-280-9114; hyundai-wia.com	Jungdong-ro 153 Changwon, Gyeongnam, 51533, South Korea	Kyung-Bae Kim president & CEO	7,059	f 7,043	1	8	83	8	Halfshafts, sideshafts, engines, transfer cases, power transfer units, chassis modules, axles, material parts & turbo chargers	34
39	JATCO (81) 545-51-0047; jatco.co.jp	700-1, Imaizumi Fuji City, Shizuoka, 417-8585, Japan	Teruaki Nakatsuka president & CEO	6,991	f 6,664	fe 27	1	72	-	Automatic transmissions & continuously variable transmissions	38
40	American Axle & Mfg. Holdings Inc. (313) 758-2000; aam.com	One Dauch Drive Detroit, MI 48211, USA	David Dauch chairman & CEO	6,266	3,950	80	8	9	3	Driveline & drivetrain systems & related components	58
41	Mitsubishi Electric Corp. (81) 03-3218-2111; mitsubishielectric.com	2-7-3 Marunouchi, Chiyoda-ku Tokyo, 100-8310, Japan	Tekeshi Sugiyama representative executive officer, president & CEO	6,000	6,000	fe 35	30	35	-	Engine management, ignition, audio & navigation systems; alternators & starter motors	41
42	Grupo Antolin (34) 947-47-7700; grupoantolin.com	Ctra. Madrid-Irun Km. 244'8 Burgos, E09007, Spain	Ernesto Antolin chairman	5,692	5,629	34	54	10	2	Overhead systems, door module & panels, window regulators, interior & exterior lighting & cockpits	45
43	Federal-Mogul (248) 354-7700; federalmogul.com	27300 W. 11 Mile Road Southfield, MI 48034	Rainer Jueckstock & Brad Norton, co-CEOs	5,650	5,158	37	44	12	7	Pistons, rings, cylinder liners, spark plugs, bearings, valvetrain products, gaskets, seals, heat shields, brake materials, wipers, fuel pumps	46
44	NSK (81) 3-3779-7111; nsk.com	Nissei Bldg., 1-6-3 Ohsaki, Shinagawa-ku Tokyo, 141-8560, Japan	Toshihiro Uchiyama president & CEO	5,610	fe 4,941	fe 15	14	70	1	Bearings, hub bearings, steering columns, electric power steering & automatic transmissions products	48

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45	Hella GmbH & Co. KGaA (49) 2941-38-0; hella.com	Rixbecker Strasse 75 Lippstadt, 59552, Germany	Rolf Breidenbach president & CEO	\$5,400 f	\$5,300 f	22	55	23	–	Electronic & lighting components & systems	33
46	Mando Corp. (82) 31-680-6114; mando.com	32, Hamanho-gil, Poseung-eup, Pyeongtaek-si, Gyeonggi-do, 451-821, South Korea	M. W. Chung chairman	5,175	5,057 f	16	3	72	9	Brakes, steering, suspension, radar, camera, ultrasonic, chargers & components & advanced highly automated driving chassis systems	47
47	Eberspaecher Gruppe GmbH & Co. KG (49) 711-939-00; eberspaecher.com	Eberspaecherstrasse 24 Esslingen, Baden-Wuerttemberg, 73730, Germany	Heinrich Baumann, COO & Martin Peters, CFO & managing partners	4,948 f	4,652 f	19	72	7	2	Silencers, catalytic converters, particulate filters, manifolds, vehicle heaters, electrical vehicle heaters & electronics	51
48	Hanon Systems (82) 42-930-6114; hanonsystems.com	95, Sinilseo-ro, Daedeok-gu Daejeon, Korea	In Young Lee president & CEO	4,939	4,915	21	27	51	1	Thermal & energy management, heating ventilation & air conditioning, powertrain cooling, compressors, fluid transport, thermal & emissions solutions	50
49	NTN Corp. (81) 6-6443-5001; ntn.co.jp/japan	3-17, 1-chome, Kyomachibori, Nishi-ku Osaka, 550-0003, Japan	Hiroshi Ohkubo chairman & CEO	4,860 fe	4,524 fe	28	23	48	1	Automotive constant velocity joints, axle bearings, needle roller bearings, tapered roller bearings & intelligent in-wheel parts for EVs	53
50	Freudenberg Group (49) 6201-80-0; freudenberg.com	Hoehnerweg 2-4 Weinheim, 69469, Germany	Mohsen Sohi CEO, speaker of the management board	4,782	3,411	27	43	20	10	Seals, precision molded components, vibration control, filtration, automotive interior, lubricants & release agents	–
51	Draexlmaier Group (49) 8741-47-0; draexlmaier.com	Landshuter Strasse 100 Vilsbiburg, Bavaria, 84137, Germany	Fritz Draexlmaier chairman & CEO	4,600 e	3,971 e	20	N/A	N/A	N/A	Electrical systems, electrical & electronic components, interiors, system assembly & battery systems	56
52	Nemak (52) 81-8748-5200; nemak.com	Libramiento Arco Vial Km. 6.8 Garcia, NL, 66000, Mexico	Armando Tamez CEO	4,481	4,257	55	35	6	4	Powertrain, structural & EV components	54
53	IAC Group (35) 2-267504-0; iacgroup.com	4 rue Lou Hemmer Findel, L-1748, Luxembourg	Natale Rea president & interim CEO	4,400	6,000	50	43	7	–	Cockpits including instrument panels, consoles, doors, headliners & overhead systems	41
54	Tokai Rika Co. (81) 587-95-5211; tokai-rika.co.jp/en	3-260 Toyota, Oguchi-Cho Niwa-gun, Aichi, 480-0195, Japan	Kenji Miura president	4,313 fe	4,236 f	22	6	71	1	Switches, heater control panels, gear shifters, key cylinder & lock sets, seat belts, outer door mirrors & immobilizer systems	55
55	TS Tech Co. (81) 48-462-1121; tstech.co.jp	3-7-27 Sakae-cho Asaka-shi, Saitama-ken, 351-0012, Japan	Michio Inoue president	4,258 f	4,587 f	47	–	–	53	Seats & door liners	52
56	TI Fluid Systems (44) 1865-871820; tifs.com	4650 Kingsgate Oxford, OX4 2SU, UK	Bill Kozyra president & CEO	4,193 e	4,022 e	29	40	29	2	Automotive fluid systems technology	64
57	Hyundai Powertech Co. (82) 41-661-9114; powertech.co.kr	958 Chungui-Ro, Jigok-myun, Seosan-shi, Chungnam, 356-863, South Korea	DaeHeung Moon CEO	3,951 e	4,920 e	28	6	64	2	Automatic transmissions	49
58	Delphi Technologies* (44) 020-305-74300; delphi.com	1 Angel Court London, EC2R 7HJ, UK	Liam Butterworth CEO	3,902	3,562	28	42	28	2	Electric vehicle & internal combustion engine propulsion systems, emissions & fuel economy solutions	12
59	Hyundai Dymos Inc. (82) 31-369-9914; hyundai-dymos.com	703-2, Galhyun-ri, Seogyoun-myun Seosan-si, Chungcheongnam-do, South Korea	Won-Jang Jo CEO	3,883 f	3,958 e	7	18	68	7	Manual transmissions, DCT, axles & seating systems	57
60	Nexeer Automotive (248) 340-8200; nexeer.com	1272 Doris Road Auburn Hills, MI 48326, USA	Michael Richardson president	3,878	3,842 f	65	13	22	–	Electric power steering, hydraulic power steering, steering columns & halfshafts	59
61	Webasto SE (49) 89-857-940; webasto-group.com	Kraillinger Strasse 5 Stockdorf, 82131, Germany	Holger Engelmann chairman	3,865 fe	3,429 fe	17	41	42	–	Sunroofs, panorama roof systems, convertible roof systems & parking heaters	62
62	Linamar Corp. (519) 836-7550; linamar.com	287 Speedvale Ave. W. Guelph, Ontario, N1H 1C5, Canada	Linda Hasenfratz CEO	3,812	3,548	56	31	10	3	Camshafts, connecting rods, cylinder heads & blocks, balance shafts, fuel rails, transmission gears, differentials, clutch modules, all-wheel-drive systems & e-Axles	60
63	Sumitomo Riko Co. (81) 568-77-2121; tokai.co.jp	3-1 Higashi, Komaki Komaki City, Aichi, 485-8550, Japan	Yoshiaki Nishimura chairman, CEO & representative director	3,750 fe	3,340 fe	22	13	64	1	Anti-vibration molded rubber & fuel delivery systems	63
64	Infineon Technologies AG (49) 89-234-0; infineon.com	Am Campeon 1-15 Neubiberg, 85579, Germany	Reinhard Ploss CEO	3,727	3,218	17	38	39	6	Microcontrollers, intelligent sensors; power semiconductors & power modules for powertrain (combustion, hybrid, electric); safety; security & body & convenience applications	65
65	BHAP (86) 10 63173722; bhap.com.cn	Beijing Motor Tower, No. 25, E. 3rd Ring S. Road, Beijing, 100022, China	Bao Chen president & CEO	3,700 f	3,137 f	13	11	76	–	Body systems, interior systems, exterior chassis systems, electronic parts systems & seat systems	68
66	Cooper-Standard Automotive (248) 596-5900; cooperstandard.com	39550 Orchard Hill Place Drive Novi, MI 48375, USA	Jeffrey Edwards chairman & CEO	3,618 f	3,473 f	52	29	16	3	Systems & components, rubber & plastic sealing, fuel & brake lines, fluid transfer hoses & anti-vibration systems	61
67	NHK Spring Co. (81) 45-786-7511; nhkspg.co.jp	3-10 Fukuura, Kanazawa-ku Yokohama, 236-0004, Japan	Kazumi Tamamura chairman & CEO	3,479 fe	3,180 fe	11	4	85	–	Stabilizer bars, coil springs & seats & valve springs	66

e = estimate f = fiscal year fe = fiscal year estimate

*In Dec. 2017, Delphi Automotive spun off its powertrain segment as Delphi Technologies, while Aptiv emerged as an electrical architecture and autonomous technology business.

Top 100 global OEM parts suppliers – Ranked by sales of original equipment parts in 2017

2017 rank	Company	Address	Executive	Total global automotive parts sales (dollars in millions) 2017	Total global automotive parts sales (dollars in millions) 2016	Percent North America 2017	Percent Europe 2017	Percent Asia 2017	Percent rest of world 2017	Products	2016 rank
68	CIE Automotive S.A. (34) 94-605-62-00; cieautomotive.com	Alameda Mazarredo 69- 8C Bilbao, Vizcaya, 48009, Spain	Jesus Maria Herrera CEO	\$3,256	\$2,509	25	48	17	10	Engine & powertrain components, chassis & steering components, exterior & interior trim & roof systems components	75
69	Visteon Corp. (800) 847-8366; visteon.com	One Village Center Drive Van Buren Township, MI 48111, USA	Sachin Lawande president & CEO	3,146	3,161	27	31	40	2	Cockpit electronics: instrument clusters, head-up & information displays, infotainment, connected audio & connectivity & telematics	67
70	Mitsuba Corp. (81) 277-52-0111; mitsuba.co.jp	2681, 1-Chome, Hirosawa-Cho, Kiryu, Gunma Prefecture, 376-8555, Japan	Yuichi Nagase president	3,095 fe	2,683 fe	27	7	66	–	Wiper systems, power window motors, starter motors, fan motors, seat motors, sunroof motors, power slide door assemblies, power tailgate systems & electric power steering motor	71
71	CITIC Dicastal Co. (86) 335-5358549; dicastal.com	No.185 Longhai Road Qinhuangdao, Hebei, 066011, China	Zuo Xu chairman	3,052 f	2,603 f	25	19	55	1	Aluminum alloy wheels & aluminum casting parts	73
72	Martinrea International Inc. (416) 749-0314; martinrea.com	3210 Langstaff Road Vaughan, Ontario, L4K 5B2, Canada	Pat D'Eramo president & CEO	2,936	2,945	79	18	–	3	Steel & aluminum body, chassis & engine components; fluid handling components & assemblies & modules	70
73	Flex (65) 6876-9899; flex.com	2 Changi South Lane Singapore, 486123, Singapore	Mike McNamara CEO	2,911 fe	2,375 fe	50	25	24	1	Autonomous vehicle video radar decision units, ADAS sensors, connectivity infotainment telematics boxes; clean tech: wiring, solenoids, 48V converters; vehicle electrification-lighting, overhead consoles, mirror actuators	79
74	Rheinmetall Automotive AG (49) 7132-33-0; rheinmetall-automotive.com	Karl Schmidt Strasse Neckarsulm, 74172, Germany	Horst Binnig CEO	2,829	2,656	16	66	13	5	Pistons, emission control products, oil/water pumps, engine blocks, manifolds & bearings	72
75	Leopold Kostal GmbH und Co. (49) 2351-16-0; kostal.com	An der Bellmerie 10 Luedenscheid, NRW, 58513, Germany	Andreas Kostal chairman	2,828 fe	2,442 f	15	52	29	4	Steering column & center console modules, driver assistance, body network controls, interior controls, power application control units, roof modules & switch panels	–
76	Novelis Inc. (404) 760-4000; novelis.com	3560 Lenox Road N.E., Ste. 2000 Atlanta, GA 30326, USA	Steve Fisher president & CEO	2,776 fe	2,275 fe	51	41	8	–	Flat-rolled aluminum sheet for vehicle structures, body panels, heat exchangers, heat shields & other automotive applications	78
77	Asahi Glass Co. (81) 3-3218-5555; agc-automotive.com	1-5-1, Marunouchi, Chiyoda-ku Tokyo, 100-8405, Japan	Takuya Shimamura president & CEO	2,775 fe	2,492 fe	17	31	50	2	Glazing systems	76
78	Inteva Products (248) 655-8886; intevaproducts.com	1401 Crooks Road Troy, MI 48084, USA	Lon Offenbacher president & CEO	2,500 f	2,600 f	30	30	40	–	Closure systems, interior systems, roof systems, motors & electronic systems	74
79	Johnson Electric Group (852) 2663-6688; johnsonelectric.com	6/F, 12 Science Park E. Ave., Hong Kong Science Park, Shatin, NT, Hong Kong, China	Patrick Wang CEO	2,336 fe	2,117 f	31	35	34	–	Cooling fan modules, engine & transmission oil pumps, engine actuators & valves, power steering motors, HVAC & lighting actuators, electric motors, switches, solenoids & flexible PCBs	83
80	Wuling Industry (86) 0772-3755060; wuling.com.cn	No.18 Hexi Road Liuzhou, Guangxi, 545007, China	Zhijun Yuan president	2,278 f	1,889 f	–	–	100	–	Chassis, interior & exterior trim parts & engines	–
81	Autoneum (41) 52-244-82-82; autoneum.com	Schlossalstrasse 43 8406 Winterthur, Switzerland	Martin Hirzel CEO	2,260 fe	2,176 f	44	40	11	5	Engine covers, dashes, carpets, floor insulators, floor mats, underbody shields, floor pans, heatshields, wheelhouse liners, dampers, stiffeners & acoustic parts	82
82	Kautex Textron GmbH & Co. (49) 228-488-0; kautex.com	Kautexstr. 52 Bonn, D-53229, Germany	Joerg Rautenstrauch president & CEO	2,230 e	2,210 e	39	49	12	–	Fuel tank systems, clear vision systems, selective catalytic reduction systems, camshafts & packaging	80
83	F-Tech Inc. (81) 480-85-7236; ftech.co.jp	19 Showanuma Shobumachi Minami Saitama-gun, Saitama Prefecture, 346-0194, Japan	Fukuda Yuichi president	2,042 f	1,821 f	57	–	43	–	Chassis, suspension systems, control arms, pedal assemblies & hydroforming	88
84	Bridgewater Interiors (313) 842-3300; bridgewater-interiors.com	4617 W. Fort St. Detroit, MI 48209, USA	Ronald Hall president & CEO	2,010 f	2,206 f	100	–	–	–	Automotive seating systems	81
85	Alpine Electronics Inc. (81) 246-36-4111; alpine.com	20-1 Yoshima-Kogyodanchi Iwaki, Fukushima, 970-1192, Japan	Nobuhiko Komeya CEO	1,998 fe	1,830 fe	35	41	24	–	Navigation, telematics, drive assist & sound & video systems	87
86	Tower International (248) 675-6000; towerinternational.com	17672 N. Laurel Park Drive, Ste. 400E Livonia, MI 48152, USA	Jim Gouin president	1,988 f	1,914 f	67	33	–	–	Body structures & assemblies, lower vehicle frames & structures, chassis modules & systems & suspension components	85
87	AB SKF, Automotive & Aerospace (46) 31-337-1000; skf.com	Hornsgatan 1 Gothenburg, SE-41550, Sweden	Bernd Stephan president	1,901	1,728	16	45	28	11	Bearings, bearing units, automotive specialty products, seals & molded rubber products	86
88	Dow Automotive/Related Businesses (248) 391-6300; dowautomotive.com	1250 Harmon Road Auburn Hills, MI 48326, USA	Larry Ryan business president, Dow Automotive	1,839 f	1,744 f	37	31	21	11	Glass bonding adhesive, structural adhesive & fluids	89
89	Johnson Controls Inc. (353) 21-4-346-580; johnsoncontrols.com	Unit 19, University Hall Industrial Estate Sarsfield Road, Wilton, Cork, Ireland	George Oliver chairman & CEO	1,835 fe	1,660 fe	50	30	20	–	Lead-acid & lithium-ion batteries	–
90	Ryobi (81) 847-41-1341; ryobi.com	762 Mesaki-cho Fuchu-shi, Hiroshima-ken, 726-8628, Japan	Hiroshi Urakami chairman & CEO	1,805 fe	1,713 fe	23	8	69	–	Aluminum high pressure die castings powertrain & structural components	77

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91	Gentex Corp. (616) 772-1800; gentex.com	600 N. Centennial St. Zeeland, MI 49464, USA	Steve Downing president & CEO	\$1,758 f	\$1,639	31	46	23	–	Interior & exterior auto-dimming rearview mirrors, SmartBeam advanced lighting-assist, rear camera displays, compasses, LED turn signals, side blind-zone indicators & driver assist features	91
92	Minth Group (86) 573-8368-5960; minth.com.cn	No.1 Yazhong Road, Asia Pacific Industrial Park, Nanhu District, Jiaxing, Zhejiang 314006, China	Jonghwa Chin chairman	1,750	1,413	19	13	68	–	Trims, body structural parts, decorative parts, roof racks, seating systems & battery housings	95
93	Piston Group (313) 541-8674; pistongroup.com	3000 Town Center #2440 Southfield, MI 48075, USA	Vinnie Johnson founder, chairman & CEO	1,665	1,582	100	–	–	–	Electric batteries, cooling modules, brake corners, grille & shock assemblies, instrument panels, seat trim, sun visors, armrests/bolsters, shades, injection molding & brazed evaporator heater cores	93
94	Pioneer Corp. (81) 44-580-3211; pioneer.co.jp	1-1 Shin-ogura, Saiwai-ku Kawasaki-shi, Kanagawa , 212-0031, Japan	Susumu Kotani president & CEO	1,634 fe	1,616 fe	25	9	65	1	Audio/video entertainment & navigation systems	92
95	Mann+Hummel International GmbH (49) 7141-980; mann-hummel.com	Schwieberdinger Strasse 126 Ludwigsburg, 71636, Germany	Emese Weissenbacher CFO	1,619	1,425	26	53	21	–	Oil filters, air cleaners, air filters, manifolds, liquid filters, reservoirs, engine covers & cylinder head covers	–
96	Hyundai Kefico Corp. (82) 31-450-9015; hyundai-kefico.com	102 Gosan-ro, Gunpo-si Gyeonggi-Do, Korea	Chung-Kook Park CEO	1,553	1,749	19	17	47	17	Automotive electronic management systems-control units, sensors, actuators & modules	–
97	Preh GmbH (49) 9771 92-0; preh.com	Schweinfurter Strasse 5-9, Bad Neustadt a.d. Saale, Bavaria, 97616, Germany	Christoph Hummel president & CEO	1,460 fe	1,331	15	70	15	–	Climate controls, central controllers, ECUs, switches, sensors, HMI systems, navigation & telematics systems; battery management systems	–
98	Dura Automotive Systems (248) 299-7500; duraauto.com	1780 Pond Run Auburn Hills, MI 48326, USA	Lynn Tilton CEO	1,430 f	1,523 f	40	52	6	2	Mechatronic controls, shift-by-wire systems; electronics, actuators & advanced driver assist systems; lightweight structural body systems & exterior trim	94
99	Multimatic Inc. (905) 470-9149; multimatic.com	8688 Woodbine Ave. Markham, Ontario, L3R 8B9, Canada	Peter Czapka president & CEO	1,390 e	940 e	90	7	2	1	Hinge systems, stamped welded assemblies & suspension systems	–
100	Omron Corp. (81) 568-78-6181; omronauto.com	6368 Nenryo-zaka, Okusa Komaki-city, Aichi, 485-0802, Japan	Katsuhiko Wada managing officer, president & CEO	1,388 f	1,407 f	30	6	63	1	Electronic control units, keyless entry, switches, closure controls, relays & electronic power steering	96

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Top 50 suppliers – The largest suppliers to Europe, ranked by sales of original equipment parts in 2017

2017 rank	Company	Address	Top executive	Total Europe OEM automotive parts sales (dollars in millions) 2017	Total Europe OEM automotive parts sales (dollars in millions) 2016	Total global OEM automotive parts sales (dollars in millions) 2017	Total global OEM automotive parts sales (dollars in millions) 2016	Products	2016 rank
1	Robert Bosch GmbH (49) 711-811-0; bosch.com	Postfach 106050 Stuttgart, D-70049, Germany	Volkmar Denner chairman	\$21,375 f	\$19,504 f	\$47,500 f	\$42,400 f	Powertrain solutions; chassis systems controls; electrical drives, car multimedia, electronics & steering systems, battery technology	1
2	Continental AG (49) 511-938-01; conti-online.com	Vahrenwalder Strasse 9 Hanover, 30165, Germany	Elmar Degenhart CEO	17,596	16,338	35,910	32,676	Advanced driver assistance systems, electronic brakes; stability management, tires, foundation brakes, chassis systems, safety electronics, telematics, powertrain electronics, injection systems & turbochargers	3
3	ZF Friedrichshafen AG (49) 7541-77-0; zf.com	Graf-von-Soden-Platz 1, Friedrichshafen, Baden- Wuerttemberg, 88046, Germany	Wolf-Henning Scheider CEO	16,551	15,691 f	34,481	32,690 f	Transmissions, chassis components & systems, steering systems, braking systems, clutches, dampers, active & passive safety systems, driver assist systems including camera, radar & lidar	2
4	Magna International Inc. (905) 726-2462; magna.com	337 Magna Drive Aurora, Ontario L4G 7K1, Canada	Donald Walker CEO	14,799	12,391 e	38,946	36,445	Body exteriors & structures; power & vision technologies; seating systems & complete vehicle solutions	4
5	Faurecia (33) 1-72-36-70-00; faurecia.com	2 Rue Hennape Nanterre, 92735, France	Patrick Koller CEO	9,585	10,350	19,170	20,700	Seating, emissions control technologies & interior systems	5
6	Valeo SA (33) 1-40-55-20-20; valeo.com	43 Rue Bayen Paris, 75017, France	Jacques Aschenbroich chairman & CEO	9,099 f	7,610 e	19,360	15,220 e	Micro hybrid systems, electrical & electronic systems, thermal systems, transmissions, wiper systems, camera/sensor technology, security systems, interior controls	6
7	Lear Corp. (248) 447-1500; lear.com	21557 Telegraph Road Southfield, MI 48033, USA	Raymond Scott president & CEO	8,187	7,052	20,467	18,558	Seating & electrical systems (E-Systems)	8
8	thyssenkrupp AG (49) 201-8440; thyssenkrupp.com	thyssenkrupp Allee 1 Essen, 45143, Germany	Heinrich Hiesinger CEO	8,134 f	7,303 f	12,591 f	10,986 f	Steering, dampers, springs & stabilizers, camshafts, forged machined components, bearings, undercarriage components, axles, forged crankshafts & drivetrain components, high-strength lightweight steels, electrical steel	7
9	Mahle GmbH (49) 711-501-0; mahle.com	Pragstrasse 26-46 Stuttgart, 70376, Germany	Joerg Stratmann chairman & CEO	6,932 f	6,818 f	14,441 f	13,635 f	Piston systems, cylinders, valvetrains, alternators, air & liquid management systems, vehicle climatization, engine & powertrain cooling, battery cooling, actuators, electric drives, starters	9
10	Gestamp (34) 91-379-19-99; gestamp.com	Alfonso XII, 16 Madrid, Madrid 28014, Spain	Francisco J. Riberas executive chairman	5,743	5,013	9,264	8,354	Metal components & assemblies, body-in-white, chassis & mechanisms	15
11	Magnetit Marelli S.p.A. (39) 02-972-27-111; magnetimarelli.com	Viale Aldo Borletti 61/63 Corbetta, Milan 20011, Italy	Pietro Gorlier CEO	5,642 f	5,433 f	9,234 f	8,232 f	Lighting, powertrain, electronics, suspensions systems, active & passive shock absorbers, exhaust systems & plastic parts	13
12	BASF SE (49) 621-60-0; basf.com	Carl-Bosch-Strasse 38 Ludwigshafen, 67056, Germany	Martin Brudermueller chairman	5,471 f	4,874 f	12,157 f	10,371 f	Coatings, catalysts, engineering plastics, polyurethanes, coolants, brake fluids, lubricants, battery materials	14
13	Schaeffler AG (49) 9132-82-0; schaeffler.com	Industriestrasse 1-3 Herzogenaurach, Bavaria 91074, Germany	Klaus Rosenfeld CEO	5,399 e	4,504 e	10,798 e	9,008 f	Anti-friction bearings; engine, chassis & transmission components, wheel & axle bearings, clutch & transmission systems, dampers & e-mobility products	12
14	Samvardhana Motherson Group (91) 120-6679551; motherson.com	Plot No. 1, Sector 127, Noida, Greater Noida Expwy., Noida, U.P. 201301, India	Vivek Chaand Sehgal chairman	5,296 fe	4,601 fe	10,550 fe	9,075 fe	Rearview mirrors, plastic modules cockpits/IPs, door trims & bumpers, 16 wiring harnesses, plastic parts, rubber components, lighting, air intake manifolds, pedals, shock absorbers, HVAC systems & roof hatches	16
15	Plastic Omnium Co. (33) 40-87-64-00; plasticomnium.com	1 allée Pierre Burelle Levallois Cedex, 92533, France	Laurent Burelle chairman & CEO	5,182	4,382	9,596	7,968	Fascias, front-end modules, rear-end modules, fenders, body panels & fuel systems	18
16	Denso Corp. (81) 566-25-5511; denso.com	1-1 Showo-cho Kariya-Aichi, 448-8661, Japan	Koji Arima president & CEO	5,140 fe	4,561 fe	40,782 fe	36,184 fe	Thermal, powertrain control, electronic & electric systems; small motors, telecommunications	17
17	Adient (734) 254-5000; adient.com	49200 Halyard Drive Plymouth, MI 48170, USA	Fritz Henderson interim CEO	4,212	6,768 f	16,200	16,837 f	Seating & seating systems & components	10
18	Aptiv* (44) 163-423-4422; aptiv.com	5 Hanover, Grand Canal Dock Dublin, Leinster, Ireland	Kevin Clark president & CEO	3,902	3,598	11,824	11,243	Electrical & wiring products, body controls, infotainment, safety & autonomous driving technologies	-
19	Brose Fahrzeugteile GmbH (49) 9561-21-0; brose.com	Max-Brose-Str. 1 Coburg, 96450, Germany	Kurt Sauerheimer CEO	3,757	3,595	7,089	6,783	Mechatronic systems for vehicle doors & seats as well as electric motors, drives & electronics, among others for steering, brakes, transmissions & engine cooling	22
20	BorgWarner Inc. (248) 754-9200; borgwarner.com	3850 Hamlin Road Auburn Hills, MI 48326, USA	Frederic Lissalde president & CEO	3,724	3,628	9,800	9,070	Turbochargers, electric motors, electronic control units, engine valve-timing ignition systems, emissions systems, thermal systems, transmission-clutch systems, transmission-control & torque management systems	21
21	Eberspaecher Gruppe GmbH (49) 711-939-00; eberspaecher.com	Eberspaecherstrasse 24 Esslingen, Baden-Wuerttemberg 73730, Germany	Heinrich Baumann, COO & Martin Peters, CFO & managing partners	3,563	3,303 f	4,948 f	4,652 f	Silencers, catalytic converters, particulate filters, manifolds, vehicle heaters, electrical vehicle heaters & electronics	25
22	Hyundai Mobis (82) 2-2018-5114; mobis.co.kr	203 Tehera-ro, Gangnam-gu Seoul, 06141, Korea	Young Deuk Lim CEO	3,540	3,346	24,984	27,207	Automotive electronics, infotainment, ADAS, EV systems, module systems, lighting, airbag, brake	24
23	GKN plc (44) 1527-517-715; gkn.com	P.O. Box 55, Redditch, Worcestershire B98 0TL, UK	Philip Swash CEO	3,413	2,561	8,751	6,740	Driveline halfshafts, driveshafts & AWD; powder metal engine & transmission components; automotive structures & chassis systems	30
24	Aisin Seiki Co. (81) 566-24-8441; aisin.co.jp	2-1 Asahi-Machi Kariya, Aichi 448-8650, Japan	Kanshiro Toyoda chairman	3,282	2,951 f	33,837	31,389 f	Body, brake & chassis systems, electronics, drivetrain & engine components	27
25	Autoliv Inc. (46) 8-587-20-600; autoliv.com	Klarabergsviadukten 70, Section B, 7th Fl. Stockholm, SE-107 24, Sweden	Jan Carlsson chairman, president & CEO	3,120	3,022	10,400	10,074	Airbags, seat belts, safety electronics, steering wheels, brake control systems, radar, night vision, camera vision systems	26

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26	Grupo Antolin (34) 947-47-7700; grupoantolin.com	Ctra. Madrid-Irun Km. 244'8 Burgos, E09007, Spain	Ernesto Antolin chairman	\$3,074	\$3,265	\$5,692	\$5,629	Overhead systems, door module & panels, window regulators, interior & exterior lighting & cockpits	23
27	Hella GmbH & Co. (49) 2941-38-0; hella.com	Rixbecker Str. 75 Lippstadt, 59552, Germany	Rolf Breidenbach president & CEO	2,970 fe	2,862 fe	5,400 f	5,300 f	Electronic & lighting components & systems	19
28	Tenneco Inc. (847) 482-5000; tenneco.com	500 N. Field Drive Lake Forest, IL 60045, USA	Brian Kesseler CEO	2,808	2,575	8,023	7,357	Emission control systems, manifolds, catalytic converters, diesel aftertreatment systems, catalytic reduction mufflers, shock absorbers, struts, electronic suspension products & systems	29
29	Yazaki Corp. (81) 0559-65-3002; yazaki-group.com	1500 Mishuku, Susono City, Shinzuoka Prefecture 410-1194, Japan	Shinji Yazaki president	2,678 e	2,652	15,754	15,600	Wiring harnesses, connectors, junction boxes, power distribution boxes, instrumentation & high voltage systems	28
30	Federal-Mogul (248) 354-7700; federalmogul.com	27300 W. 11 Mile Road Southfield, MI 48034, USA	Rainer Jueckstock & Brad Norton, co-CEOs	2,486	2,479	5,650	5,158	Pistons, rings, cylinder liners, spark plugs, bearings, valvetrain products, gaskets, seals, heat shields, brake materials, wipers, fuel pumps	–
31	Dana Inc. (419) 887-3000; dana.com	3939 Technology Drive Maumee, OH 43537, USA	James Kamsickas president & CEO	2,163	1,631	7,209	5,826	Axles, driveshafts, sealing & thermal management products	35
32	Panasonic Automotive Systems Co. (81) 6-6908-1121; panasonic.net	1006, Oaza Kadoma Kadoma City, Osaka 571-8501, Japan	Kazuhiro Tsuga president	2,099 fe	1,079 fe	14,995 fe	11,988 fe	Premium audio systems, navigation systems, compressors, batteries, motors, monitors, sensors; switches & HUDs	46
33	Freudenberg Group (49) 6201-80-0; freudenberg.com	Hoehnerweg 2-4 Weinheim, 69469, Germany	Mohsen Sohi CEO, speaker of the management board	2,056 e	1,433 e	4,782	3,411	Seals, precision molded components, vibration control, filtration, automotive interior, lubricants & release agents	–
34	JTEKT Corp. (81) 52-527-1900; jtekt.co.jp	15th Flr, Midland Square, 4-7-1 Meieki Nakamura-ku, Nagoya 450-8515, Japan	Tetsuo Agata president	2,033	1,940	12,709	10,778	Bearings, steering systems, driveline systems & machine tools	33
35	IAC Group (35) 2-267504-0; iacgroup.com	4 rue Lou Hemmer Findel, L-1748, Luxembourg	Natale Rea president & interim CEO	1,892	2,280	4,400	6,000	Cockpits including instrument panels, consoles, doors, headliners & overhead systems	32
36	Rheinmetall Automotive AG (49) 7132-33-0; rheinmetall-automotive.com	Karl Schmidt Strasse Neckarsulm, 74172, Germany	Horst Binnig CEO	1,867	1,780	2,829	2,656	Pistons, emission control products, oil/water pumps, engine blocks, manifolds & bearings	34
37	Mitsubishi Electric Corp. (81) 03-3218-2111; mitsubishielectric.com	2-7-3 Marunouchi, Chiyoda-ku Tokyo, 100-8310, Japan	Tekeshi Sugiyama representative executive officer, president & CEO	1,800	1,320 fe	6,000	6,000 fe	Engine management, ignition, audio & navigation systems; alternators & starter motors	41
38	TI Fluid Systems (44) 1865-871820; tifs.com	4650 Kingsgate Oxford, OX4 2SU, UK	Bill Kozyra president & CEO	1,669 e	1,649 e	4,193 e	4,022 e	Automotive fluid systems technology	39
39	Yanfeng (86) 21-333-81000; yanfengco.com	399 Liuzhou Road Shanghai, 200235, China	Ming kang He general manager	1,658	1,476	14,278	12,991	Interiors, exteriors, electronics, seating & safety	36
40	Delphi Technologies* (44) 020-305-74300; delphi.com	1 Angel Court London, EC2R 7HJ, UK	Liam Butterworth CEO	1,639	1,567	3,902	3,562	Electric vehicle & internal combustion engine propulsion systems, emissions & fuel economy solutions	11
41	Webasto SE (49) 89-857-940; webasto-group.com	Krailling Strasse 5 Stockdorf, 82131, Germany	Holger Engelmann chairman	1,585 fe	1,440 fe	3,865 fe	3,429 fe	Sunroofs, panorama roof systems, convertible roof systems & parking heaters	37
42	Nemak (52) 81-8748-5200; nemak.com	Libramiento Arco Vial Km. 6.8 Garcia, NL 66000, Mexico	Armando Tamez CEO	1,567	1,424	4,481	4,257	Powertrain, structural & EV components	38
43	CIE Automotive S.A. (34) 94-605-62-00; cieautomotive.com	Alameda Mazarredo 69- 8C Bilbao, Vizcaya 48009, Spain	Jesus Maria Herrera CEO	1,557	1,330	3,256	2,509	Engine & powertrain components, chassis & steering components, exterior & interior trim & roof systems components	40
44	Leopold Kostal GmbH und Co. (49) 2351-16-0; kostal.com	An der Bellmerrei 10 Luedenscheid, NRW 58513, Germany	Andreas Kostal chairman	1,471 fe	1,319 fe	2,828 fe	2,442 f	Steering column & center console modules, driver assistance, body network controls, interior controls, power application control units, roof modules & switch panels	–
45	Infineon Technologies AG (49) 89-234-0; infineon.com	Am Campeon 1-15 Neubiberg, 85579, Germany	Reinhard Ploss CEO	1,416	1,255	3,727	3,218	Microcontrollers, intelligent sensors; power semiconductors & power modules for powertrain (combustion, hybrid, electric); safety; security & body & convenience applications	44
46	Flex-N-Gate Corp. (217) 278-2600; flex-n-gate.com	1306 E. University Ave. Urbana, IL 61802, USA	Shahid Khan chairman & CEO	1,359	386	7,551	6,434	Interior & exterior plastics, metal bumpers & hitches, structural metal assemblies, forward & signal lighting, mechanical assemblies, prototyping & sequencing	–
47	Hanon Systems (82) 42-930-6114; hanonsystems.com	95, Sinilseo-ro, Daedeok-gu Daejeon, Korea	In Young Lee president & CEO	1,334	1,278	4,939	4,915	Thermal & energy management, heating ventilation & air conditioning, powertrain cooling, compressors, fluid transport, thermal & emissions solutions	43
48	Linamar Corp. (519) 836-7550; linamar.com	287 Speedvale Ave. W. Guelph, Ontario N1H 1C5, Canada	Linda Hasenfratz CEO	1,193	1,033	3,812	3,548	Camshafts, connecting rods, cylinder heads & blocks, balance shafts, fuel rails, transmission gears, differentials, clutch modules, all-wheel-drive systems & e-Axles	50
49	Novelis Inc. (404) 760-4000; novelis.com	3560 Lenox Road N.E., Ste. 2000 Atlanta, GA 30326, USA	Steve Fisher president & CEO	1,138 fe	1,024	2,776 fe	2,275 fe	Flat-rolled aluminum sheet for vehicle structures, body panels, heat exchangers, heat shields & other automotive applications	51
50	NTN Corp. (81) 6-6443-5001; ntn.co.jp/japan	3-17, 1-chome, Kyomachibori, Nishi-ku Osaka, 550-0003, Japan	Hiroshi Ohkubo chairman & CEO	1,108 fe	1,027 fe	4,860 fe	4,524 fe	Automotive constant velocity joints, axle bearings, needle roller bearings, tapered roller bearings & intelligent in-wheel parts for EVs	49

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1	Magna International Inc. (905) 726-2462; magna.com	337 Magna Drive Aurora, Ontario L4G 7K1, Canada	Donald Walker CEO	\$21,031	\$20,409 e	\$38,946	\$36,445	Body exteriors & structures; power & vision technologies; seating systems & complete vehicle solutions	1
2	ZF North America Inc. (734) 855-2600; zf.com	12001 Tech Center Drive Livonia, MI 48150, USA	Franz Kleiner member, board of management	9,310	8,826 f	34,481	32,690 f	Transmissions, chassis components & systems, steering systems, braking systems, clutches, dampers, active & passive safety systems, driver assist systems; camera, radar & lidar	2
3	Denso International America Inc. (248) 350-7500; densocorp-na.com	24777 Denso Drive, P.O. Box 5133 Southfield, MI 48086, USA	Kenichiro Ito chairman & CEO	9,307 fe	8,708 fe	40,782 fe	36,184 fe	Thermal, powertrain control, electronic & electric systems; small motors, telecommunications	4
4	Continental Automotive Systems U.S. Inc. (248) 393-5300; conti-online.com	One Continental Drive Auburn Hills, MI 48326, USA	Samir Salman CEO	8,978	8,496	35,910	32,676	Advanced driver assistance systems, electronic brakes; stability management, tires, foundation brakes, chassis systems, safety electronics, telematics, powertrain electronics, injection systems & turbochargers	5
5	Lear Corp. (248) 447-1500; lear.com	21557 Telegraph Road Southfield, MI 48033, USA	Raymond Scott president & CEO	7,777	7,423	20,467	18,558	Seating & electrical systems (E-systems)	7
6	Robert Bosch (248) 876-1000; boschusa.com	38000 Hills Tech Drive Farmington Hills, MI 48331, USA	Mike Mansuetti president	7,600 f	7,632 f	47,500 f	42,400 fe	Powertrain solutions; chassis systems controls; electrical drives, car multimedia, electronics & steering systems, battery technology	3
7	Flex-N-Gate Corp. (217) 278-2600; flex-n-gate.com	1306 E. University Ave. Urbana, IL 61802, USA	Shahid Khan chairman & CEO	6,041	5,855	7,551	6,434	Interior & exterior plastics, metal bumpers & hitches, structural metal assemblies, forward & signal lighting, mechanical assemblies, prototyping & sequencing	10
8	Aisin World Corp. of America (734) 453-5551; aisinworld.com	15300 Centennial Drive Northville, MI 48168, USA	Scott Turpin president	5,651	5,650 f	33,837	31,389 f	Body, brake & chassis systems, electronics, drivetrain & engine components	11
9	Adient (734) 254-5000; adient.com	49200 Halyard Drive Plymouth, MI 48170, USA	Fritz Henderson interim CEO	5,022	7,698 f	16,200	16,837 f	Seating & seating systems & components	6
10	American Axle & Manufacturing Holdings Inc. (313) 758-2000; aam.com	One Dauch Drive Detroit, MI 48211, USA	David Dauch chairman & CEO	5,013	3,318	6,266	3,950	Driveline & drivetrain systems & related components	20
11	Hyundai Mobis (248) 923-5114; mobis.co.kr	46501 Commerce Center Drive Plymouth, MI 48170, USA	Young Deuk Lim CEO	5,002	5,556	24,984	27,207	Automotive electronics, infotainment, ADAS, EV systems, module systems, lighting, airbag, brake	12
12	Faurecia (248) 724-5100; na.faurecia.com	2800 High Meadow Circle Auburn Hills, MI 48326, USA	Kevin Lammers president	4,984	6,003	19,170	20,700	Seating, emissions control technologies & interior systems	9
13	Panasonic Automotive Systems Co. of America (770) 487-3356; panasonic.com/automotive	776 Hwy. 74 S. Peachtree City, GA 30269, USA	Scott Kirchner president	4,499 fe	3,716 fe	14,995 fe	11,988 fe	Premium audio systems, navigation systems, compressors, batteries, motors, monitors, sensors; switches & HUDs	15
14	Aptiv* (248) 813-2000; aptiv.com	5820 Innovation Drive Troy, MI 48098, USA	Kevin Clark president & CEO	4,257	4,385	11,824	11,243	Electrical & wiring products, body controls, infotainment, safety & autonomous driving technologies	-
15	Yazaki North America Inc. (734) 983-1000; Yazaki-na.com	6801 Haggerty Road Canton, MI 48187, USA	Bo Andersson president & CEO	4,096 e	4,056	15,754	15,600	Wiring harnesses, connectors, junction boxes, power distribution boxes, instrumentation & high voltage systems	13
16	Valeo Inc. (248) 619-8300; valeo.com	150 Stephenson Hwy. Troy, MI 48083, USA	Francoise Colpron president	4,066 f	3,348 fe	19,360 f	15,220 fe	Micro hybrid systems, electrical & electronic systems, thermal systems, transmissions, wiper systems, camera/sensor technology, security systems, interior controls	14
17	Tenneco Inc. (734) 243-8000; tenneco.com	1 International Drive Monroe, MI 48161, USA	Brian Kesseler CEO	3,771	3,605	8,023	7,357	Emission control systems, manifolds, catalytic converters, diesel aftertreatment systems, catalytic reduction mufflers, shock absorbers, struts, electronic suspension products & systems	16
18	Mahle Industries Inc. (248) 305-8200; mahle.com	23030 MAHLE Drive Farmington Hills, MI 48335, USA	Markus Kapaun finance executive	3,755 f	3,545 f	14,441 f	13,635 f	Piston systems, cylinders, valvetrains, alternators, air & liquid management systems, vehicle climatization, engine & powertrain cooling, battery cooling, actuators, electric drives & starters	17
19	Dana Inc. (419) 887-3000; dana.com	3939 Technology Drive Maumee, OH 43537, USA	James Kamsickas president & CEO	3,677	3,088	7,209	5,826	Axles, driveshafts, sealing & thermal management products	23
20	Autoliv North America (248) 475-9000; autoliv.com	1320 Pacific Drive Auburn Hills, MI 48326, USA	Dan Garceau president	3,536	3,425	10,400	10,074	Airbags, seat belts, safety electronics, steering wheels, brake control systems, radar, night vision, camera vision systems	18
21	Sumitomo Electric Wiring Systems Inc. (270) 782-7397; sewsus.com	1018 Ashley St. Bowling Green, KY 42103, USA	Hiroshi Kiyokawa president & CEO	3,435 fe	3,412 fe	14,872 fe	13,488 fe	Electrical distribution systems, electronics & connection systems	19
22	BorgWarner Inc. (248) 754-9200; borgwarner.com	3850 Hamlin Road Auburn Hills, MI 48326, USA	Frederic Lissalde president & CEO	3,332	2,993	9,800	9,070	Turbochargers, electric motors, electronic control units, engine valve-timing, ignition systems, emissions systems, thermal systems, transmission-clutch systems, transmission-control & torque management systems	24

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23	Thyssenkrupp North America Inc. (312) 525-2800; thyssenkrupp-north-america.com	111 W. Jackson Blvd., Ste. 2400 Chicago, IL 60604, USA	Patrick Bass CEO	\$3,198 f	\$2,636 f	\$12,591 f	\$10,986 f	Steering, dampers, springs & stabilizers, camshafts, forged machined components, bearings, undercarriage components, axles, forged crankshafts & drivetrain components, high-strength lightweight steels, electrical steel	27
24	GKN Driveline (248) 296-7280; gkndriveline.com	2200 N. Opdyke Road Auburn Hills, MI 48326-2362, USA	James Voeffray SVP-sales marketing & program management	3,150	2,426	8,751	6,740	Driveline halfshafts, driveshafts & AWD; powder metal engine & transmission components; automotive structures & chassis systems	31
25	BASF Corp. (973) 245-6000; basf.com	100 Park Ave. Florham Park, NJ 07932, USA	Wayne Smith CEO	2,918 f	2,696 f	12,157 f	10,371 f	Coatings, catalysts, engineering plastics, polyurethanes, coolants, brake fluids, lubricants, battery materials	26
26	Calsonic Kansei North America Inc. (931) 680-6415; calsonic.com	One Calsonic Way Shelbyville, TN 37162, USA	Bharat Vennapusa chairman & CEO	2,809 fe	3,227 fe	9,061 fe	10,085 fe	Climate control, engine cooling & exhaust systems; instrument clusters, console boxes, cockpit modules, instrument panels & front-end modules	22
27	Yanfeng Automotive Interiors (248) 319-7333; yfai.com	41935 W. 12 Mile Road Novi, MI 48377, USA	Nathan Bowen general manager	2,751	2,827	14,278	12,991	Interiors, exteriors, electronics, seating & safety	25
28	Nexteer Automotive (989) 757-5000; nexteer.com	3900 E. Holland Road Saginaw, MI 48601, USA	Michael Richardson president	2,532 f	2,513 f	3,878 f	3,842 f	Electric power steering, hydraulic power steering, steering columns & halfshafts	28
29	Plastic Omnium Co. (248) 458-0700; plasticomnium.com	2710 Bellingham Road , Ste. 400 Troy, MI 48083, USA	John Dunn president & CEO	2,495	1,992	9,596	7,968	Fascias, front-end modules, rear-end modules, fenders, body panels & fuel systems	39
30	Nemak North America (248) 350-3999; nemak.com	Two Towne Square, Ste. 300 Southfield, MI 48076, USA	Luis Pena business unit director, U.S. & Canada	2,477	2,478	4,481	4,257	Powertrain, structural & EV components	29
31	JTEKT Automotive Group Cos. (864) 770-2241; jtekt.co.jp	7 Research Drive Greenville, SC 29607, USA	Koichi Yamanaka president	2,415	2,263	12,709	10,778	Bearings, steering systems, driveline systems & machine tools	33
32	Hitachi Automotive Systems Americas Inc. (859) 734-9451; hitachi-automotive.us	955 Warwick Road Harrodsburg, KY 40330, USA	Paul Carroll president & CEO	2,403 fe	2,520 f	8,900 fe	9,000 f	Engine management, electric powertrain & drive control	30
33	Martinrea International Inc. (416) 749-0314; martinrea.com	3210 Langstaff Road Vaughan, Ontario L4K 5B2, Canada	Pat D'Eramo president & CEO	2,305	2,385	2,936	2,945	Steel & aluminum body, chassis & engine components; fluid handling components and assemblies & modules	32
34	IAC Group (248) 455-7000; iacgroup.com	28333 Telegraph Road Southfield, MI 48034, USA	Natale Rea president & interim CEO	2,200	3,240	4,400	6,000	Cockpits including instrument panels, consoles, doors, headliners & overhead systems	21
35	Toyota Gosei North America Corp. (248) 280-2100; toyodagosei.com	1400 Stephenson Hwy. Troy, MI 48083, USA	Yoshiyuki Fujita president	2,177 f	1,973 f	7,281 f	6,996 f	Safety, sealing & interior systems; optoelectronics, exterior trim, rubber/plastic functionals & fuel systems	40
36	Linamar Corp. (519) 836-7550; linamar.com	287 Speedvale Ave. W. Guelph, Ontario N1H 1C5, Canada	Linda Hasenfratz CEO	2,146	2,125	3,812	3,548	Camshafts, connecting rods, cylinder heads & blocks, balance shafts, fuel rails, transmission gears, differentials, clutch modules, all-wheel-drive systems & e-Axles	37
37	Samvardhana Motherson Group (281) 520-3051; motherson.com	Suite # 200, 1018 Preston St. Houston, Texas 77002, USA	Vivek Chaand Sehgal chairman	2,110 fe	1,752 fe	10,550 fe	9,075 fe	Rearview mirrors, plastic modules cockpits/IPs, door trims & bumpers, wiring harnesses, plastic parts, rubber components, lighting, air intake manifolds, pedals, shock absorbers, HVAC systems & roof hatches	47
38	Schaeffler Group USA Inc. (248) 528-9080; schaeffler.us	1750 E. Big Beaver Road Troy, MI 48083, USA	Marc McGrath president	2,106 e	1,802 e	10,798 e	9,008 e	Anti-friction bearings; engine, chassis & transmission components, wheel & axle bearings, clutch & transmission systems, dampers & e-mobility products	36
39	Mitsubishi Electric Automotive America Inc. (513) 398-2220; meaa-mea.com	4773 Bethany Road Mason, OH 45040, USA	Hirofumi Ouchi president & CEO	2,100	1,860 fe	6,000	6,000 fe	Engine management, ignition, audio & navigation systems; alternators & starter motors	44
40	Federal-Mogul (248) 354-7700; federalmogul.com	27300 W. 11 Mile Road Southfield, MI 48034, USA	Rainer Jueckstock & Brad Norton, co-CEOs	2,091	1,774	5,650	5,158	Pistons, rings, cylinder liners, spark plugs, bearings, valvetrain products, gaskets, seals, heat shields, brake materials, wipers, fuel pumps	46
41	Bridgewater Interiors (313) 842-3300; bridgewater-interiors.com	4617 W. Fort St. Detroit, MI 48209, USA	Ronald Hall president & CEO	2,010 f	2,206 f	2,010 f	2,206 f	Automotive seating systems	34
42	TS Tech Americas Inc. (614) 575-4100; tstna.com	8458 E. Broad St. Reynoldsburg, OH 43068, USA	Minoru Maeda president	2,001 f	2,018 f	4,258 f	4,587 f	Seats & door liners	38
43	Grupo Antolin North America Inc. (248) 373-1749; grupoantolin.com	1700 Atlantic Blvd. Auburn Hills, MI 48326, USA	Pablo Baroja regional manager	1,935	1,858	5,692	5,629	Overhead systems, door module & panels, window regulators, interior & exterior lighting & cockpits	42
44	JATCO USA Inc. (248) 306-9200; jatco.co.jp	38700 Country Club Drive, Farmington Hills, MI 48331, USA	William Krueger executive VP	1,916 f	1,959 fe	6,991 f	6,664 fe	Automatic transmissions & continuously variable transmissions	41

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To be considered for the list, please contact the Automotive News Data Center at datacenter@autonews.com.

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45	Toyota Boshoku America Inc. (859) 817-4000; toyota-boshoku.com	1360 Dolwick Drive, Ste. 125 Erlanger, KY 41018, USA	Yoshihiro Ito chairman & CEO	\$1,909 fe	\$1,869 fe	\$13,444 fe	\$9,683 fe	Seats, door trim, carpet, headliners, oil & air filters, door panels, fabrics & substrates	43
46	Cooper-Standard Automotive (248) 596-5900; cooperstandard.com	39550 Orchard Hill Place Drive Novi, MI 48375, USA	Bill Pumphrey president	1,881 f	1,806 fe	3,618 f	3,473 fe	Systems & components, rubber & plastic sealing, fuel & brake lines, fluid transfer hoses & anti-vibration systems	45
47	Brose North America Inc. (248) 339-4000; brose.com	3933 Automation Ave. Auburn Hills, MI 48326, USA	Frank Lubischer president	1,701	1,696	7,089	6,783	Mechatronic systems for vehicle doors & seats as well as electric motors, drives & electronics, among others for steering, brakes, transmissions & engine cooling	48
48	Gestamp North America (248) 743-3400; gestamp.com	2701 Troy Center Drive, Ste. 150 Troy, MI 48084, USA	Jon Barrenechea director	1,667	1,754	9,264	8,354	Metal components & assemblies, body-in-white, chassis & mechanisms	49
49	North American Lighting (217) 465-6600; nal.com	2277 S. Main St. Paris, IL 61944, USA	Kirk Gadberry president & COO	1,665 f	1,624 f	7,500 f	7,219 f	Exterior lighting	50
49	Piston Group (313) 541-8674; pistongroup.com	3000 Town Center #2440 Southfield, MI 48075, USA	Vinnie Johnson founder, chairman & CEO	1,665	1,582	1,665	1,582	Electric batteries, cooling modules, brake corners, grille & shock assemblies, instrument panels, seat trim, sun visors, armrests/bolsters, shades, injection molding & brazed evaporator heater cores	51
51	Magneti Marelli Holding USA (248) 418-3000; magnetimarelli.com	3900 Automation Ave. Auburn Hills, MI 48326, USA	Gene Spektor country representative	1,597 f	1,268 f	9,234 f	8,232 f	Lighting, powertrain, electronics, suspensions systems, active & passive shock absorbers, exhaust systems & plastic parts	55
52	Flex (408) 576-7000; flex.com	27755 Stansbury Blvd., Ste. 300 Farmington Hills, MI 48334, USA	Mike McNamara CEO	1,456 fe	1,188 fe	2,911 fe	2,375 fe	Autonomous vehicle video radar decision units, ADAS sensors, connectivity infotainment telematics boxes; clean tech: wiring, solenoids, converters; vehicle electrification-lighting, overhead consoles, mirror actuators	59
53	Novelis Corp. (404) 760-4000; novelis.com	3560 Lenox Road N.E., Ste. 2000 Atlanta, GA 30326, USA	Marco Palmieri senior VP, Novelis Inc., & president, Novelis North America	1,416 fe	1,092 fe	2,776 fe	2,275 fe	Flat-rolled aluminum sheet for vehicle structures, body panels, heat exchangers, heat shields & other automotive applications	60
54	NTN Bearing Corporation of America (847) 298-7500; ntnamericas.com	1600 E. Bishop Court, P.O. Box 7604 Mount Prospect, IL 60056, USA	Tetsuya Sogo president	1,341 fe	1,271 fe	4,860 fe	4,524 fe	Automotive constant velocity joints, axle bearings, needle roller bearings, tapered roller bearings & intelligent in-wheel parts for EVs	54
55	Tower Automotive Inc. (248) 675-6000; towerinternational.com	17672 N. Laurel Park Drive, Ste. 400 Livonia, MI 48152, USA	Paer Malmhagen president	1,332 f	1,282 f	1,988 f	1,914 f	Body structures & assemblies, lower vehicle frames & structures, chassis modules & systems & suspension components	53
56	Freudenberg North America (734) 354-5505; freudenberg.com	47774 W. Anchor Court Plymouth, MI 48170, USA	Bob Evans president & regional representative	1,291 e	887 e	4,782	3,411	Seals, precision molded components, vibration control, filtration, automotive interior, lubricants & release agents	-
57	Multimatic Inc. (905) 470-9149; multimatic.com	8688 Woodbine Ave. Markham, Ontario L3R 8B9, Canada	Peter Czapka president & CEO	1,251 e	846 e	1,390 e	940 e	Hinge systems, stamped welded assemblies & suspension systems	74
58	TI Fluid Systems (248) 296-8000; tifs.com	2020 Taylor Road Auburn Hills, MI 48326, USA	Bill Kozyra president & CEO	1,195 e	1,126 e	4,193 e	4,022 e	Automotive fluid systems technology	68
59	Hella Corporate Center USA Inc. (734) 414-0900; hellausa.com	43811 Plymouth Oaks Blvd. Plymouth, MI 48170, USA	Steve Lietart president	1,188 fe	1,113 fe	5,400 f	5,300 f	Electronic & lighting components & systems	57
60	F & P America Mfg. Inc. (937) 339-0212; fandp.com	2101 Corporate Drive Troy, OH 45373, USA	Makoto Hasegawa president	1,173 f	1,108 f	2,042 f	1,821 f	Chassis, suspension systems, control arms, pedal assemblies & hydroforming	61
61	Powertech America Inc. (706) 902-6800; powertech.co.kr	220 Fort Drive LaGrange, GA 30240, USA	In Jang director	1,106 e	1,230 e	3,951 e	4,920 e	Automatic transmissions	56
62	Delphi Technologies* (248) 813-2000; delphi.com	5725 Delphi Drive Troy, MI 48098, USA	Mary Gustanski chief technology officer	1,093	1,033	3,902	3,562	Electric vehicle & internal combustion engine propulsion systems, emissions & fuel economy solutions	8
63	Hanon Systems USA (248) 907-8000; hanonsystems.com	39600 Lewis Drive Novi, MI 48377, USA	In Young Lee president & CEO	1,037	1,032	4,939	4,915	Thermal & energy management, heating ventilation & air conditioning, powertrain cooling, compressors, fluid transport, thermal & emissions solutions	63
64	Autoneum North America (248) 848-0100; autoneum.com	29293 Haggerty Road Novi, MI 48377, USA	John Lenga president & CEO	995 f	1,023 f	2,260 fe	2,176 f	Engine covers, dashes, carpets, floor insulators, floor mats, underbody shields, floor pans, heatshields, wheelhouse liners, dampers, stiffeners & acoustic parts	64
65	TRAM Inc. (734) 254-8500; tokai-rika.co.jp	47200 Port St. Plymouth, MI 48170, USA	Kazuhiro Ikai president	949 fe	1,017 f	4,313 fe	4,236 f	Switches, heater control panels, gear shifters, key cylinder & lock sets, seat belts, outer door mirrors & immobilizer systems	62
66	Eberspaecher North America Inc. (248) 994-7015; eberspaecher.com	29101 Haggerty Road Novi, MI 48377, USA	Johan Swart president	940 f	1,023 f	4,948 f	4,652 f	Silencers, catalytic converters, particulate filters, manifolds, vehicle heaters, electrical vehicle heaters & electronics	64
67	DAA Draexlmaier Automotive of America (864) 485-1000; draexlmaier.us	1751 E. Main St. Duncan, SC 29334, USA	Josef Mittermeier CEO	920 e	874 e	4,600 e	3,971 e	Electrical systems, electrical & electronic components, interiors, system assembly & battery systems	72

e = estimate f = fiscal year fe = fiscal year estimate

*In Dec. 2017, Delphi Automotive spun off its powertrain segment as Delphi Technologies, while Aptiv emerged as an electrical architecture and autonomous technology business.

Top 100 suppliers – The largest suppliers to North America, ranked by sales of original equipment parts in 2017

2017 rank	Company	Address	Top executive	Total North America OEM automotive parts sales (dollars in millions) 2017	Total North America OEM automotive parts sales (dollars in millions) 2016	Total global OEM automotive parts sales (dollars in millions) 2017	Total global OEM automotive parts sales (dollars in millions) 2016	Products	2016 rank
68	Johnson Controls Inc. (414) 524-1200; johnsoncontrols.com	5757 N. Green Bay Ave. Milwaukee, WI 53201, USA	Byron Foster executive VP	\$918 fe	\$830 fe	\$1,835 fe	\$1,660 fe	Lead-acid & lithium-ion batteries	–
69	Kautex Textron North America (248) 616-5100; kautex.com	750 Stephenson Hwy. Troy, MI 48083, USA	Eric Cardinali executive VP	870 e	950 e	2,230 e	2,210 e	Fuel tank systems, clear vision systems, selective catalytic reduction systems, camshafts & packaging	67
70	Visteon Corp. (800) 847-8366; visteon.com	One Village Center Drive Van Buren Township, MI 48111, USA	Sachin Lawande president & CEO	849	885	3,146	3,161	Cockpit electronics: instrument clusters, head-up & information displays, infotainment, connected audio & connectivity & telematics	70
71	Mando America Corp. (248) 668-4300; mando.com	29930 Hudson Drive Novi, MI 48377, USA	DoSoon Park VP	828	1,011	5,175	5,057 f	Brakes, steering, suspension, radar, camera, ultrasonic, on board chargers & components & advanced highly automated driving chassis systems	66
72	American Mitsuba Corp. (989) 773-0377; americanmitsuba.com	2945 Three Leaves Drive Mount Pleasant, MI 48858, USA	Yoshimasa Kimura president & CEO	823 fe	805 fe	3,095 fe	2,683 fe	Wiper systems, power window motors, starter motors, fan motors, seat motors, sunroof motors, power slide door assemblies, power tailgate systems & electric power steering motor	77
73	Sumitomo Riko America (248) 946-4915	41441 11 Mile Road Novi, MI 48375, USA	Randy Rumbley president	818 fe	758 fe	3,750 fe	3,340 fe	Anti-vibration molded rubber & fuel delivery systems	–
74	NSK Americas Inc. (734) 913-7500; nskamericas.com	4200 Goss Road, P.O. Box 134007 Ann Arbor, MI 48105, USA	Steven Beckman CEO	813 fe	817 fe	5,610 fe	4,941 fe	Bearings, hub bearings, steering columns, electric power steering & automatic transmissions products	76
75	CIE Automotive USA Inc. (586) 566-3900; cieautomotive.com	15030 23 Mile Road Shelby Township, MI 48315, USA	Mikel Orbegoza commercial director America	811	577	3,256	2,509	Engine & powertrain components, chassis & steering components, exterior & interior trim & roof systems components	89
76	CITIC Dicastal Co. (616) 619-7500; dcastalna.com	1 Dicastal Drive Greenville, MI 48838, USA	Zuo Xu chairman	763 f	703 f	3,052 f	2,603 f	Aluminum alloy wheels & aluminum casting parts	81
77	Inteva Products (248) 655-8886; intevaproducts.com	1401 Crooks Road Troy, MI 48084, USA	Lon Offenbacher president & CEO	750 f	884 f	2,500 f	2,600 f	Closure systems, interior systems, roof systems, motors & electronic systems	71
78	Johnson Electric North America (734) 392-5302; johnsonelectric.com	47660 Halyard Drive Plymouth, MI 48170, USA	Douglas Eberle vp sales, Americas	722 fe	665 f	2,336 fe	2,117 f	Cooling fan modules, engine & transmission oil pumps, engine actuators & valves, power steering motors, HVAC & lighting actuators, electric motors, switches, solenoids & flexible PCBs	100
79	Superior Industries International Inc. (248) 304-9720; supind.com	26600 Telegraph Road, #400 Southfield, MI 48033, USA	Donald Stebbins president & CEO	720	733	1,108	733	Aluminum wheels	79
80	Alpine Electronics of America Inc. (310) 326-8000; alpine-usa.com	19145 Gramercy Place Torrance, CA 90501, USA	Sakae Okuda president	699 fe	641 fe	1,998 fe	1,830 fe	Navigation, telematics, drive assist & sound & video systems	86
81	Dow Automotive/Related Businesses (248) 391-6300; dowautomotive.com	1250 Harmon Road Auburn Hills, MI 48326, USA	Larry Ryan business president, Dow Automotive	681 f	698 fe	1,839 f	1,744 f	Glass bonding adhesive, structural adhesive & fluids	82
82	Shiloh Industries Inc. (330) 558-2600; shiloh.com	880 Steel Drive Valley City, OH 44280, USA	Ramzi Hermiz president & CEO	677 f	865 f	836 f	972 f	Lightweight, noise, vibration & harshness solutions, for body & interiors, chassis & propulsion systems	73
83	Webasto Roof Systems Inc. (248) 997-5100; webasto-group.com	1757 Northfield Drive Rochester Hills, MI 48309, USA	Andre Schoenekaes president & CEO	657 fe	686 fe	3,865 fe	3,429 fe	Sunroofs, panorama roof systems, convertible roof systems & parking heaters	83
84	Infineon Technologies North America Corp. (866) 951-9519; infineon.com	640 N. McCarthy Blvd. Milpitas, CA 95035, USA	Robert LeFort president	634	547	3,727	3,218	Microcontrollers, intelligent sensors; power semiconductors & power modules for powertrain (combustion, hybrid, electric); safety; security & body & convenience applications	90
85	Henniges Automotive (248) 340-4100; hennigesautomotive.com	2750 High Meadow Circle Auburn Hills, MI 48326, USA	Larry Williams president	626	631	994	956	Weather seals & anti-vibration products	–
86	Auria (248) 728-8000; auriasolutions.com	26999 Central Park Blvd., Ste 300 Southfield, MI 48076, USA	Brian Pour president & CEO	616	–	1,100	–	Flooring, acoustical & thermal products; fiber-based components	–
87	Dura Automotive Systems (248) 299-7500; duraauto.com	1780 Pond Run Auburn Hills, MI 48326, USA	Lynn Tilton CEO	572 f	670 f	1,430 f	1,523 f	Mechatronic controls, shift-by-wire systems; electronics, actuators & advanced driver assist systems; lightweight, structural body systems & exterior trim	84
88	Gentex Corp. (616) 772-1800; gentex.com	600 N. Centennial St. Zeeland, MI 49464, USA	Steve Downing president & CEO	545	590	1,758 f	1,639	Interior & exterior auto-dimming rearview mirrors, SmartBeam advanced lighting-assist, rear camera displays, compasses, LED turn signals, side blind-zone indicators & driver assist features	88
89	AGC Automotive Americas (248) 522-9300; agc-automotive.com	34505 W. Twelve Mile Road, Ste. 300 Farmington Hills, MI 48331, USA	Tatsuo Sugiyama regional president	477 fe	464 fe	2,775 fe	2,492 fe	Glazing systems	91
90	Inalfa Roof Systems USA (248) 371-3060; inalfaroofsystems.com	1370 Pacific Drive Auburn Hills, MI 48326, USA	Angel Legarda CEO	468 f	408 fe	3,700 f	3,137 f	Body systems, interior systems, exterior chassis systems, electronic parts systems & seat systems	98

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Top 100 suppliers – The largest suppliers to North America, ranked by sales of original equipment parts in 2017

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91	Rheinmetall Automotive North America (248) 836-3000; us.rheinmetall-automotive.com	975 S. Opdyke Road, Ste. 100 Auburn Hills, MI 48326, USA	Horst Binnig CEO	\$453	\$452	\$2,829	\$2,656	Pistons, emission control products, oil/water pumps, engine blocks, manifolds & bearings	92
92	Continental Structural Plastics (248) 237-7800; cspplastics.com	255 Rex Blvd. Auburn Hills, MI 48326, USA	Steve Rooney CEO	448 fe	433 fe	449 fe	434 fe	Lightweight composite Class A body panels, battery carriers, pickup boxes & underbody/under hood components	–
93	MacLean-Fogg Component Solutions (847) 566-0010; macleanfoggcs.com	1000 Allanson Road Mundelein, IL 60060, USA	Duncan MacLean president & CEO	430	408	430	408	Fastener components, engineered components & engineered plastics	–
94	Kostal of America Inc. (248) 284-6500; kostal-automobil-elektrik.com	350 Stephenson Hwy. Troy, MI 48083, USA	Wolff Carsten president & CEO	424 fe	366 fe	2,828 fe	2,442 f	Steering column & center console modules, driver assistance, body network controls, interior controls, power application control units, roof modules & switch panels	–
95	Mann+Hummel USA Inc. (269) 329-3930; mann-hummel.com	6400 S. Sprinkle Road Portage, MI 49002, USA	Keith Wilson president	421	342	1,619	1,425	Oil filters, air cleaners, air filters, manifolds, liquid filters, reservoirs, engine covers & cylinder head covers	–
96	Ryobi Die Casting USA (317) 398-3398; ryobidiecasting.com	800 W. Mausoleum Road Shelbyville, IN 46176, USA	Tom Johnson president & COO	415 fe	428 fe	1,805 fe	1,713 fe	Aluminum high pressure die castings powertrain & structural components	75
97	Omron Automotive Electronics Inc. (248) 893-0200; omronauto.com	29185 Cabot Drive Novi, MI 48377, USA	Randy Wara president	414 f	450 f	1,388 f	1,407 f	Electronic control units, keyless entry, switches, closure controls, relays & electronic power steering	93
98	Pioneer Automotive Technologies Inc. (248) 449-6799; pioneerelectronics.com	22630 Haggerty Road Farmington Hills, MI 48335, USA	Steven Moerner president & COO	407 fe	420 fe	1,634 fe	1,616 fe	Audio/video entertainment & navigation systems	94
99	NHK International Corp. (248) 926-0111; nhkspg.co.jp	46855 Magellan Drive Novi, MI 48377, USA	Ko Masuda president	383 fe	413 fe	3,479 fe	3,180 fe	Stabilizer bars, coil springs & seats & valve springs	97
100	Stoneridge Inc. (248) 489-9300; stoneridge.com	39675 MacKenzie Drive, Ste. 400 Novi, MI 48377, USA	Jonathan DeGaynor president & CEO	371 e	285 e	619 e	570 e	Electronic component systems & modules; switches, sensors & power actuators	–

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