

## Dodávateľské systémy v automobilovom priemysle

**Zadanie: 20%**

záp. pís.: 80%

**Referát:** Charakterizujte dodávateľa (výrobcu) vybraného automobilového komponentu

Spracujte (podľa vzorových príkladov prezentovaných na cvičeniach) **profil vybranej dodávateľskej firmy** globálne pôsobiacej (zaradenej do hodnotenia TOP 100 spoločností), a charakteristiku prevádzky tohto zvoleného dodávateľa lokalizovanú v SR (resp. v ČR alebo v stredoeurópskom regióne ...) pre komponenty určené pre finálnu montáž automobilu (napr. sedadlá, opierky hlavy, airbagy, svetlomety, spätné zrkadlá, volant, disky kolies, pneumatiky, prevodovky, chladiče, tlmiče, nárazníky ...) rešeršovaním informácií zverejnených na internete, ktoré dopĺňajú ilustračné obrázky, grafy, schémy (získané z odborných časopisov, propagačných materiálov, výročnej správy dodávateľskej firmy tzv. **annual report**, z prípadových štúdií tzv. case studies, prezentácií a videí, tlačových správ ...).

Štruktúra: kľúčové charakteristiky spoločnosti - názov, logo, centrálné sídlo, história, lokalizácia prevádzok, výskumných a testovacích centier, počet zamestnancov, ekonomické ukazovatele - podiel na trhu, zisk, odberatelia / zákazníci z radov automobiliek, portfólio a sortiment výrobkov, významné inovácie výrobkov, vízia / stratégia podniku, výrobné technológie, procesy a výrobné zariadenia v prevádzke atď.

Zdroje informácií:

- web stránky dodávateľskej firmy
- e- časopisy o AP (Strojárstvo, AI Magazine, ...), elektronické publikácie
- databáza dodávateľov pre AV na Slovensku [www.ipdap.sk](http://www.ipdap.sk)
- databáza „worldwide index of the automotive industry“ – sekcia „suppliers“

<http://www.automotive-index.com/>

## worldwide index of the automotive industry

derived from cooperation networks

powered by



Bayern  Innovativ

### ◆ Associations

AMETVS, NEVAT, VDA,...

### ◆ Government and Chambers

Bavarian Ministry..., Cantonal Office St. Gallen, Québec Ministry...

### ◆ News Resources

Online News Sites, News Portals, Newsletters, Professional Journals,...

### ◆ OEMs

Audi, BMW, DaimlerChrysler, Porsche, Volvo,...

### ◆ Production and Process Technologies

Procurement, Production, Processing, Distribution, Software,...

### ◆ Research A-Z

Research Institutes in Alphabetical Order

### ◆ Research by Country

Europe, North-America,...

### ◆ Suppliers A-Z

Suppliers in Alphabetical Order

### ◆ Suppliers by Country

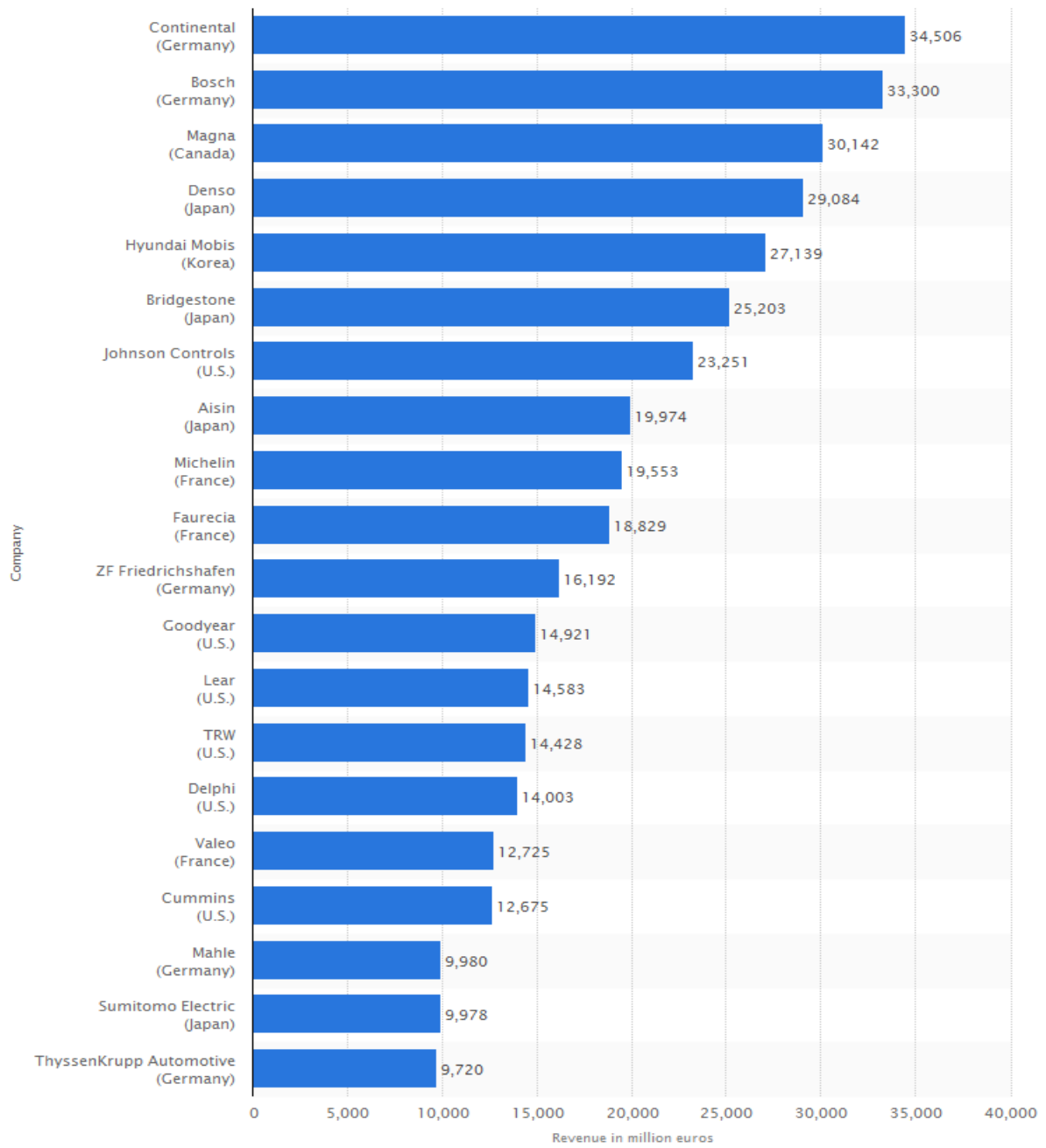
Europe, North-America,...

### ◆ Suppliers by Products and Services

Drive Units, Chassis, Body Components, Electrical/Electronic Components,...

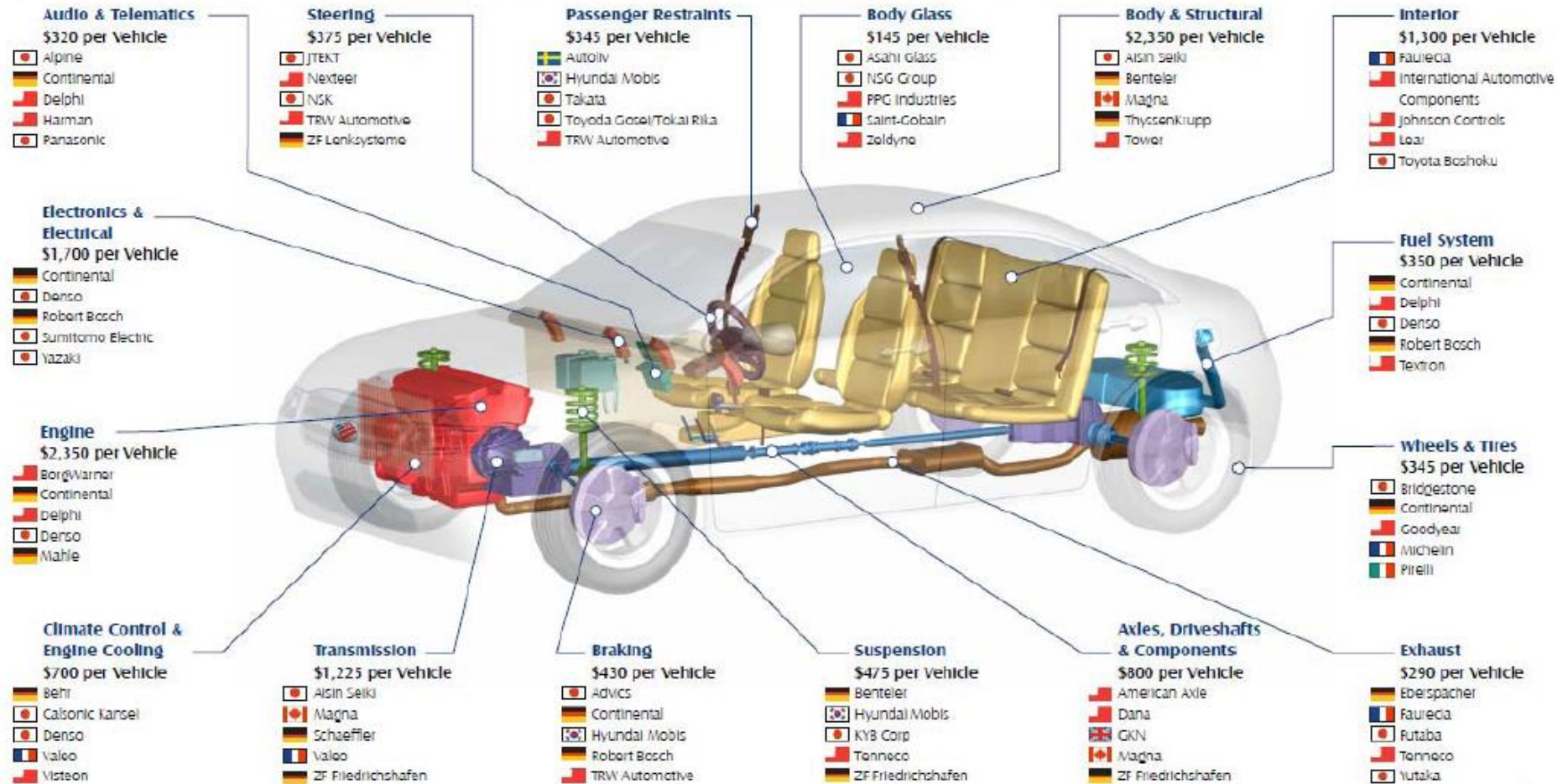
The automotive index currently has more than **4.500** registered companies and institutions that can be found under **30.000** links!

Odovzdanie zadania: 11, 12. týždeň ZS

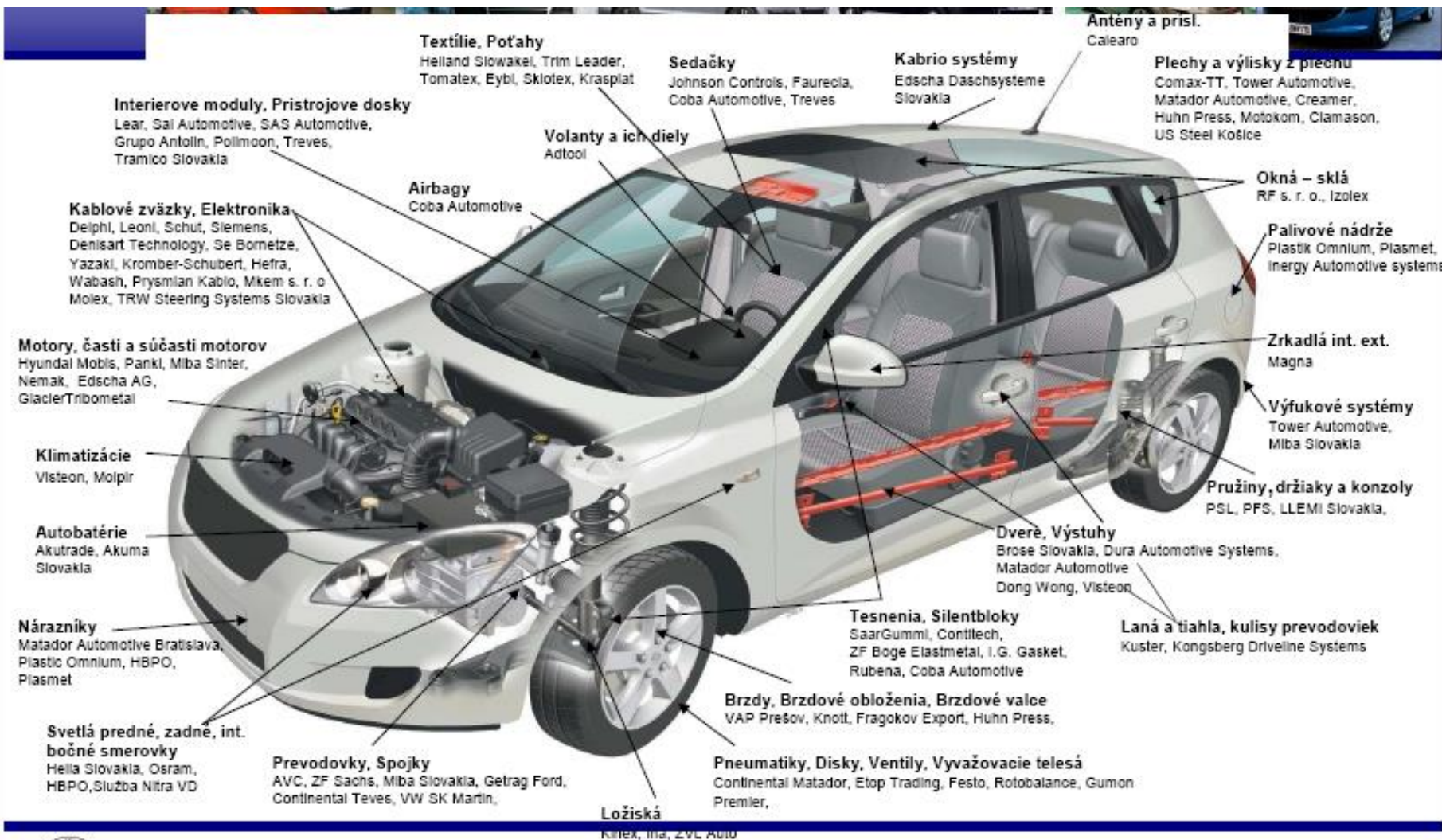


# Who Makes the Car - 2010

Major Component System, Estimated Content Per Vehicle and Key Global Suppliers



**Total Global Average Content Per Vehicle = \$13,500\***



### Lighting Systems

Automotive Lighting  
Koito Czech  
Hella Autotechnik,  
Visteon Autopal

### Exhaust Systems

Faurecia Exhaust Systems  
Vyfuky Tyll  
Bosal  
Karsit  
Eberspächer International  
Witzenmann  
Monroe  
Mann+Hummel

### Wheel & Tyres

Hayes Lemmerz Alukola  
Ronal  
Barum Continental  
Mitas

### Seatings

Faurecia  
Commercial Vehicle Group  
Fehrer Bohemia  
Fazko  
Car Trim  
Johnson Controls  
Viza Automocion  
Recticel  
Gumotex  
Tanex Plasty

### Infotainment solutions

Continental Teves  
Panasonic Automotive Systems  
Tokai Rika

### Fuel System

Continental Teves  
Aisin Bitron  
Robert Bosch  
Toyoda Gosei  
TI Automotive  
Motorpal  
Kautex -Textron  
Cooper-Standard Automotive

### Door Systems & Car locks

Brano Group  
Defend  
Witte  
Kiekert  
Assa-Abloy  
Brose  
Edscha Bohemia  
Pyeong-Hwa  
Arvin Meritor

### Interior

Plakor Czech (ARRK)  
Hyundai Mobis  
Cadence Innovation  
Gruppo Antolin  
Peguform  
Happich  
Avon Automotive  
Gumamy Zubri  
Gumotex  
Saar Gummi  
CIE Automotive  
BTV Plast  
Rieter CZ  
Magna  
Dymos

### HVAC

Denso  
Behr  
Valeo  
Visteon  
Senior Automotive  
Hutchinson  
Brose  
Fujikoki  
Eaton  
Showa Aluminium Czech

### Airbag&Safety

Aoyama  
Toyoda Gosei  
Filec Central Europe  
Indet Safety System (Nippon Kayaku)  
EuWe Eugen Wexler  
ITG Automotive Safety

### Engine Systems

Nemak  
CZ  
PBS Turbo  
Almet  
Strojirny Poldi  
Motorpal  
Brisk  
Bosch Diesel  
Robert Bosch  
Bontaz-Centre  
Magneton  
Alfmeier CZ  
Metal Progress  
Timken

### Brakes

TRW/Lucas Varity  
Cooper-Standard Automotive  
Knorr-Bremse  
Brano Group  
Mubea  
Brose  
Federal Mogul  
Lucas Varity  
TI Group

### Electronics

Continental Teves  
Kostal  
Futaba  
TVM  
Furukawa  
Mitsubishi Electric  
Yazaki  
JTEKT Corporation  
Aloca Fujikura  
Johnson Controls  
Lear  
Akuma  
Steering Systems  
Koyo Seiko  
TRW  
Delphi  
Tokai Rika

### Exterior

s. n. o. p.  
Benteler  
Essa  
Sungwoo Hightech  
Karsit  
Kovovyroba Hoffmann  
Klein&Blažek  
Wagon Automotive  
Dura  
Duve  
Massag  
Arvin Meritor  
AGC  
Saint Gobain  
Cadence Innovation



## Top 100 global OEM parts suppliers – Ranked by sales of original equipment parts in 2014

| 2014 rank | Company   | Address   | Executive                               | Total global OEM automotive parts sales (dollars in millions) 2014 | Total global OEM automotive parts sales (dollars in millions) 2013 | Percent North America 2014 | Percent Europe 2014 | Percent Asia 2014 | Percent rest of world 2014 | Products  | 2013 rank |
|-----------|---|---|---|--|--|----------------------------|---------------------|-------------------|----------------------------|---|-----------|
| 1         | <b>Robert Bosch GmbH</b><br>(49) 711-811-0; bosch.com               | Postfach 106050<br>Stuttgart D-70049, Germany                                 | Volkmr Denner<br>chairman               | \$44,240 e   | \$40,183 e   | 19                         | 50                  | 28                | 3                          | Gasoline systems, diesel systems, chassis system controls, electrical drives, starter motors & generators, car multimedia, electronics, steering systems, battery technology, exhaust gas turbochargers & treatment systems, service solutions  | 1         |
| 2         | <b>Magna International Inc.*</b><br>(905) 726-2462; magna.com       | 337 Magna Drive<br>Aurora, Ontario L4G7K1, Canada                             | Donald Walker<br>CEO                    | 36,325   | 34,375   | 54                         | 39                  | 5                 | 2                          | Body, chassis, interior, exterior, seating, powertrain, electronic, vision, closure & roof systems & modules; vehicle engineering & contract manufacturing  | 3         |
| 3         | <b>Continental AG</b><br>(49) 511-938-01; conti-online.com          | Vahrenwalder Strasse 9<br>Hanover 30165, Germany                              | Elmar Degenhart<br>CEO                  | 34,418 e   | 33,500   | 23                         | 49                  | 25                | 3                          | Electronic brakes, stability management systems, tires, foundation brakes, chassis systems, safety system electronics, telematics, powertrain electronics, interior modules, instrumentation, technical elastomers  | 4         |
| 4         | <b>Denso Corp.</b><br>(81) 566-25-5511; globaldenso.com             | 1-1 Showo-cho<br>Kariya, Aichi 448-8661, Japan                                | Nobuaki Katoh<br>chairman               | 32,365 fe  | 35,849 fe  | 22                         | 12                  | 64                | 2                          | Thermal, powertrain control, electronic & electric systems; small motors, telecommunications  | 2         |
| 5         | <b>Aisin Seiki Co.</b><br>(81) 566-24-8441; aisin.co.jp             | 2-1 Asahi-Machi<br>Kariya, Aichi 448-8650, Japan                              | Fumio Fujimori<br>president             | 28,072 fe  | 27,125 fe  | 18                         | 8                   | 73                | 1                          | Body, brake & chassis systems, electronics, drivetrain, & engine components   | 5         |
| 6         | <b>Hyundai Mobis</b><br>(82) 2-2018-5114; mobis.co.kr               | 679-4 SI Tower, Yeoksam1-dong,<br>Gangnam-gu, Seoul 135-977, Korea            | Myung-Chul Chung<br>president & CEO     | 27,405 f   | 24,677 f   | 20                         | 11                  | 68                | 1                          | Chassis, cockpit & front-end modules; ABS, ESC, MDPS, airbags, LED lamps, ASV parts, sensors, electronic control systems, hybrid car powertrains, parts & power control units   | 6         |
| 7         | <b>Faurecia</b><br>(33) 1-72-36-70-00; faurecia.com                 | 2 Rue Hennape<br>Nanterre 92735, France                                       | Yann Delabriere<br>chairman & CEO       | 25,043   | 23,950   | 25                         | 56                  | 14                | 5                          | Seating, emissions, control technologies, interior systems & exteriors  | 7         |
| 8         | <b>Johnson Controls Inc.</b><br>(414) 524-1200; johnsoncontrols.com | 5757 N. Green Bay Ave.<br>Milwaukee, WI 53201, USA                            | Alex Mollnaroli<br>chairman & CEO       | 23,589 f   | 23,440 f   | 48                         | 39                  | 11                | 2                          | Complete automotive seats & seat components, lead acid & hybrid vehicle batteries   | 8         |
| 9         | <b>ZF Friedrichshafen AG</b><br>(49) 7541-77-0; zf.com              | Graf-von-Soden-Platz 1, Friedrichshafen,<br>Baden-Wuerttemberg 88046, Germany | Stefan Sommer<br>CEO                    | 22,192 f   | 20,434 f   | 20                         | 56                  | 20                | 4                          | Transmissions, chassis components & systems, steering systems, clutches, dampers  | 9         |
| 10        | <b>Lear Corp.</b><br>(248) 447-1500; lear.com                       | 21557 Telegraph Road<br>Southfield, MI 48033, USA                             | Matthew Simoncini<br>president & CEO    | 17,727   | 16,234   | 38                         | 40                  | 17                | 5                          | Seating & electrical distribution systems   | 10        |
| 11        | <b>Valeo SA</b><br>(33) 1-40-55-20-20; valeo.com                    | 43 Rue Bayen<br>Paris 75017, France   | Jacques Aschenbroich<br>CEO             | 16,878 e   | 13,666 e   | 20                         | 49                  | 28                | 3                          | Micro hybrid systems, electrical & electronic systems, thermal systems, transmissions, wiper systems, camera/sensor technology, security systems, interior controls   | 14        |
| 12        | <b>TRW Automotive Holdings Corp.</b><br>(734) 855-2600; trwauto.com | 12001 Tech Center Drive<br>Livonia, MI 48150, USA                             | John Plant<br>chairman, president & CEO | 16,240 e   | 16,147   | 41                         | 43                  | 12                | 4                          | Steering, suspension, braking & engine components; fasteners, occupant-restraint systems, electronic safety & security systems  | 11        |
| 13        | <b>Delphi Automotive</b><br>(248) 813-2000; delphi.com              | 5725 Delphi Drive<br>Troy, MI 48098, USA                                      | Kevin Clark<br>president & CEO          | 16,002 e   | 15,475   | 35                         | 38                  | 23                | 4                          | Mobile electronics; powertrain, safety, thermal, controls & security systems; electrical/electronic architecture, in-car entertainment technologies   | 13        |
| 14        | <b>Yazaki Corp.</b><br>(81) 0559-65-3002; yazaki-group.com          | 1500 Mishuku, Susono City,<br>Shizuoka Prefecture 410-1194, Japan             | Yasuhiko Yazaki<br>chairman             | 15,200 e   | 15,600 e   | 25                         | –                   | –                 | –                          | Wiring harnesses, connectors, junction boxes, power distribution boxes, instrumentation, high voltage systems   | 12        |
| 15        | <b>ThyssenKrupp AG</b><br>(49) 201-8440; thyssenkrupp.com           | ThyssenKrupp Allee 1<br>Essen 45143, Germany                                  | Heinrich Hiesinger<br>CEO               | 12,801 f   | 12,349 f   | 23                         | –                   | –                 | –                          | Steering, dampers, springs & stabilizers, camshafts, forged machined components, bearings, undercarriage systems & components, axle assembly, assembled camshafts, forged crankshafts & drivetrain components; high-strength, lightweight steel, electrical steel, tailored tempering, cell & battery production lines, valve control systems | –         |
| 16        | <b>BASF SE</b><br>(49) 621-60-0; basf.com                           | Carl-Bosch-Strasse 38<br>Ludwigshafen 67056 Germany                           | Kurt Bock<br>chairman                   | 12,682 f   | 12,351 f   | 21                         | 57                  | 16                | 6                          | Coatings, catalysts, engineering plastics, polyurethanes, coolants, brake fluids, lubricants, battery materials   | 16        |
| 17        | <b>Sumitomo Electric Industries</b><br>(81) 6-6220-4141; sel.co.jp  | 5-33 Kitahama, 4-chome, Chuo-ku<br>Osaka City 541-0041, Japan                 | Masayoshi Matsumoto<br>president & CEO  | 12,325 fe  | 13,127 f   | 26                         | –                   | –                 | –                          | Electrical distribution systems, electronics, connection systems  | 15        |

|  |  |  |                  |          |    |    |    |    |  |    |
|--|--|--|------------------|----------|----|----|----|----|--|----|
| <b>18 Mahle GmbH</b><br>(49) 711-501-0; mahle.com                                      | Pragstrasse 26-46<br>Stuttgart 70376, Germany                                    | Wolf-Henning Scheider<br>chairman      | <b>12,110</b> f  | 8,506 f  | 22 | 54 | 17 | 7  | Piston systems, cylinder components, valvetrain systems, air & liquid management systems, powertrain engineering, vehicle climatization, climate compressors, engine & powertrain cooling, drives, starters & alternators, electrical driven auxiliaries | 22 |
| <b>19 JTEKT Corp.</b><br>(81) 52-527-1900; jtekt.co.jp                                 | 15th Floor, Midland Square, 4-7-1 Meleki<br>Nakamura-ku, Nagoya 450-8515, Japan  | Tetsuo Agata<br>president              | <b>11,200</b> fe | 11,351 f | 23 | 18 | 58 | 1  | Bearings, steering systems, driveline systems & machine tools  | 17 |
| <b>20 CalsonicKansei Corp.</b><br>(81) 3-5385-0111; calsonickansei.co.jp               | 2-1917 Nisshin-cho, Kita-ku<br>Saitama City, Saitama 331-8501, Japan             | Hiroshi Moriya<br>president, CEO & COO | <b>9,789</b> fe  | 8,580 fe | 32 | 11 | 21 | 36 | Climate control, engine cooling & exhaust systems; instrument clusters, 21 console boxes, instrument panels, cockpit & front-end modules   |    |
| <b>21 Panasonic Automotive Systems Co.</b><br>(81) 6-6908-1121; panasonic.net          | 1006, Oaza Kadoma<br>Kadoma City, Osaka 571-8501, Japan                          | Kazuhiro Tsuga<br>president            | <b>9,643</b> fe  | 8,307 f  | 25 | 12 | 41 | 22 | Cameras, video & premium audio systems; navigation systems, compressors, batteries, motors, monitors; sensors; switches, HUDs  | 23 |
| <b>22 Autoliv Inc.</b><br>(46) 8-587-20-600; autoliv.com                               | Vasagaten 11 Box 70381<br>Stockholm SE-107 24, Sweden                            | Jan Carlson<br>president & CEO         | <b>\$9,240</b>   | \$8,803  | 34 | 33 | 33 | -  | Airbags, seat belts, safety electronics, steering wheels   | 19 |
| <b>23 Schaeffler AG</b><br>(49) 9132-82-0; schaeffler.com                              | Industriestrasse 1-3<br>Herzogenaurach, Bavaria 91074, Germany                   | Klaus Rosenfeld<br>CEO                 | <b>8,983</b>     | 8,165    | 20 | 48 | 25 | 7  | Anti-friction bearings, engine components, chassis & transmissions, 24 wheel & axle bearings, clutch & transmission systems, dampers   |    |
| <b>24 Hitachi Automotive Systems</b><br>(81) 3-4232-5300; hitachi-automotive.co.jp/en/ | Shin-Otemachi Bldg., 2-1, Otemachi 2-chome,<br>Chiyoda-ku, Tokyo 100-0004, Japan | Kunihiro Ohnuma<br>chairman & CEO      | <b>8,850</b> fe  | 8,500 fe | 25 | -  | -  | -  | Engine management, electric powertrain, drive control  | 20 |
| <b>25 Toyota Boshoku Corp.</b><br>(81) 566-23-6611; toyota-boshoku.co.jp/en/           | 1-1 Toyoda-cho<br>Kariya-shi, Aichi 448-8651, Japan                              | Shuhei Toyoda<br>president             | <b>8,730</b> fe  | 9,482 fe | 20 | 7  | 71 | 3  | Seats, door trim, carpet, headliners, oil & air filters, door panels, fabrics & substrates   | 18 |
| <b>26 Yanfeng Automotive Trim Systems Co.</b><br>(86) 21-333-81000; yf.sh.cn           | 399 Luzhou Road<br>Shanghai 200235, China  | Zhengang Ma<br>general manager         | <b>8,592</b>     | 8,109    | 3  | 1  | 96 | -  | Interiors, exteriors, electronics, seating, safety   | -  |
| <b>27 Tenneco Inc.</b><br>(847) 482-5000; tenneco.com                                  | 500 N. Field Drive<br>Lake Forest, IL 60045, USA                                 | Gregg Sherrill<br>chairman & CEO       | <b>8,420</b> e   | 7,964 e  | 49 | 30 | 15 | 6  | Emission-control systems, manifolds, catalytic converters, diesel aftertreatment systems, catalytic reduction mufflers, shock absorbers, struts, electronic suspension products & systems  | -  |
| <b>28 Gestamp Automocion SA</b><br>(34) 91-379-19-99; gestamp.com                      | Alfonso XII, 16<br>Madrid 28014, Spain   | Francisco Riberas<br>president & CEO   | <b>8,308</b>     | 7,670    | 16 | 63 | 11 | 10 | Body-in-white stamping & assemblies, chassis, hinges, power systems, driver controls   | 27 |
| <b>29 BorgWarner Inc.</b><br>(248) 754-9200; borgwarner.com                            | 3850 Hamlin Road<br>Auburn Hills, MI 48326, USA                                  | James Verrier<br>president & CEO       | <b>8,305</b>     | 7,437    | 29 | 45 | 26 | -  | Turbochargers, engine valve-timing systems, ignition systems, 32 emissions systems, thermal systems, transmission-clutch systems, transmission-control systems & torque management systems   |    |
| <b>30 Magneti Marelli S.p.A.*</b><br>(39) 02-972-27-111; magnetimarelli.com            | Viale Aldo Borletti 61/63<br>Corbetta, Milan 20011, Italy                        | Eugenio Razelli<br>president & CEO     | <b>8,052</b> f   | 7,665 f  | 14 | 67 | 9  | 10 | Lighting, powertrain transmissions, electronics, suspensions systems, 28 active & passive shock absorbers, exhaust systems, plastic parts  |    |
| <b>31 Visteon Corp.</b><br>(734) 710-5000; visteon.com                                 | One Village Center Drive<br>Van Buren Township, MI 48111, USA                    | Timothy Leuliette<br>president & CEO   | <b>7,509</b>     | 7,439    | 29 | 36 | 32 | 3  | Cockpit electronics, thermal energy management   | 31 |
| <b>32 Hyundai-WIA Corp.</b><br>(82) 55-280-9114; hyundai-wia.com                       | 391-8 Gaeumjeong-dong, Changwon,<br>Gyeongnam 641110, South Korea                | Jun-Mo Yoon<br>president & CEO         | <b>7,368</b>     | 6,741    | 1  | 7  | 84 | 9  | Halfshafts, sesh shafts, engines, manual transmissions/transaxles, transfer cases, power transfer units, chassis modules, axles  | 35 |
| <b>33 Cummins Inc.</b><br>(812) 377-5000; cummins.com                                  | 500 Jackson St.<br>Columbus, IN 47201, USA                                       | Tom Linebarger<br>chairman & CEO       | <b>7,150</b>     | 7,900    | 56 | 15 | 20 | 9  | Diesel & natural gas engines   | 25 |
| <b>34 GKN</b><br>(44) 1527-533-600; gkn.com  | P.O. Box 2148<br>Redditch, Worcestershire B98 0WR,<br>United Kingdom             | Andy Reynolds Smith<br>CEO, Automotive | <b>7,018</b>     | 7,503    | 34 | 40 | 22 | 4  | Driveline halfshafts, driveshafts & AWD; powder metal engine & components; automotive structures & chassis systems, transmission   | 30 |
| <b>35 HELLA KGaA Hueck &amp; Co.</b><br>(49) 2941-38-0; hellas.com                     | Rixbecker Strasse 75<br>Lippstadt 59552, Germany                                 | Rolf Breidenbach<br>CEO                | <b>6,900</b> fe  | 6,700 fe | 21 | 53 | 26 | -  | Electronic & lighting components & systems   | 36 |
| <b>36 Brose Fahrzeugteile GmbH</b><br>(49) 9561-21-0; brose.com                        | Ketschendorfer Strasse 38-50<br>Coburg 96450, Germany                            | Juergen Otto<br>CEO                    | <b>6,872</b>     | 6,212    | 24 | 54 | 20 | 2  | Window regulators, door modules, seat adjusters, closure systems, 38 power closure systems, seat adjusters, power head restraints, electric drives & motors, electronics   |    |
| <b>37 Toyota Gosei Co.</b><br>(81) 052-400-1055; toyoda-gosel.co.jp                    | 1 Haruhinagahata Kiyosu<br>Aichi 452-8564, Japan                                 | Hajime Wakayama<br>chairman            | <b>6,700</b> fe  | 6,200 f  | 29 | 6  | 65 | -  | Safety, sealing & interior systems; optoelectronics, exterior trim, rubber & plastic functionals, fuel systems   | 29 |
| <b>38 JATCO</b><br>(81) 545-51-0754; jatco.co.jp                                       | 700-1, Imazuimi<br>Fuji City, Shizuoka 417-8585, Japan                           | Seiji Honda<br>COO                     | <b>6,633</b> fe  | 7,005 fe | 27 | -  | 73 | -  | Automatic transmissions, continuously variable transmissions   | 33 |



|   |  |   |                 |          |    |    |    |    |   |    |
|---|--|---|-----------------|----------|----|----|----|----|---|----|
| <b>39 Dana Holding Corp.</b><br>(419) 887-3000; dana.com                        | 3939 Technology Drive<br>Maumee, OH 43537, USA   | Roger Wood<br>president & CEO   | <b>6,617</b>    | 6,769    | 47 | 30 | 11 | 12 | Axles, driveshafts, sealing & thermal management products   | 34 |
| <b>40 Plastic Omnium Co.</b><br>(33) 40-87-64-00; plasticomnium.com             | 1 Rue du Parc<br>Levallois Cedex 92533, France   | Laurent Burelle<br>chairman & CEO                                       | <b>6,490</b>    | 6,425    | 29 | 49 | 18 | 4  | Fascias, front-end modules, rear-end modules, fenders, body panels, fuel systems  | 37 |
| <b>41 Samvardhana Motherson Group</b><br>(91) 120-6679551; motherson.com        | Plot No. 1, Sector 127, Noida-Greater<br>Noida Expy., Noida, U.P. 201301, India            | Vivek Chaand Sehgal<br>chairman   | <b>6,100</b> f  | 5,300 f  | 6  | 47 | 42 | 5  | Wiring harnesses, rearview mirrors, molded plastic parts & assemblies, plastic modules for cockpits, door trims & bumpers, molded & extruded rubber components, lighting systems, air intake manifolds, pedal assemblies                    | 40 |
| <b>42 Mitsubishi Electric Corp.</b><br>(81)03-3218-2111; mitsubishielectric.com | 2-7-3 Marunouchi, Chiyoda-ku<br>Tokyo 100-8310, Japan                                      | Masski Sakuyama<br>representative executive officer,<br>president & CEO | <b>6,000</b> fe | 5,344 fe | 30 | 30 | 40 | -  | Engine management, ignition, audio & navigation systems; alternators & starter motors   | 41 |
| <b>43 IAC Group</b><br>(35) 2-267504-0; lacgroup.com                            | 4 rue Lou Hemmer<br>Findel L-1748, Luxembourg  | James Kamsickas<br>president & CEO                                      | <b>5,900</b>    | 5,200    | 54 | 39 | 7  | -  | Instrument panels, consoles, cockpits, doors & trim, flooring, acoustics, headliners & overhead systems, other interior & exterior components   | 42 |
| <b>44 Koito Manufacturing</b><br>(81) 3-3443-7111; koito.co.jp                  | 4-8-3 Takanaawa, Minato-ku<br>Tokyo 108-8711, Japan  | Takashi Ohtake<br>chairman & CEO  | <b>5,805</b> f  | 5,028 f  | 16 | 3  | 10 | 72 | Exterior lighting   | 44 |
| <b>45 Mando Corp.</b><br>(82) 31-680-6114; mando.com                            | 32, Hamanho-gil, Poseung-eup, Pyeongtaek-si,<br>Gyeonggi-do 451-821, South Korea           | M.W. Chung<br>chairman  | <b>5,373</b> f  | 5,145 f  | 20 | 1  | 78 | 1  | Brakes, steering, suspension & integrated driver assistance systems & components  | 43 |
| <b>46 Flex-N-Gate Corp.</b><br>(217) 278-2600; flex-n-gate.com                  | 1306 E. University Ave.<br>Urbana, IL 61802, USA   | Shahid Khan<br>chairman & CEO   | <b>\$5,103</b>  | \$4,650  | 91 | 6  | 1  | 2  | Interior & exterior plastics, metal bumpers & hitches, structural metal assemblies, forward & signal lighting, mechanical assemblies, prototyping & sequencing  | 46 |
| <b>47 Goodyear Tire &amp; Rubber Co.</b><br>(330) 796-2121; goodyear.com        | 200 Innovaton Way<br>Akron, OH 44316, USA  | Richard Kramer<br>chairman, president & CEO                             | <b>5,000</b> e  | 4,000 e  | 36 | 34 | 20 | 10 | Tires   | 52 |
| <b>48 Tokai Rika Co.</b><br>(81) 587-95-5211; tokai-rika.co.jp                  | 3-260 Toyota, Oguchi-Cho<br>Niwa-gun, Aichi 480-0195, Japan                                | Yuzo Ushiyama<br>president  | <b>4,971</b> f  | 4,390 f  | 24 | 6  | 22 | 48 | Switches, steering wheels, airbags, shifters, key cylinders & lock sets, interior & lever combination switches; floor transmission shift levers   | 49 |
| <b>49 Takata Corp.</b><br>(81) 0-3-3582-3222; takata.com                        | ARK Hills S. Tower 11F, 4-5 Roppongi,<br>1-chome, Minato-ku, Tokyo 106-8488, Japan         | Shigehisa Takada<br>chairman, president & CEO                           | <b>4,900</b> f  | 5,028 f  | 34 | 28 | 38 | -  | Airbags, seat belts, electronics, steering wheels, interior trim & textiles   | 44 |
| <b>50 Draexlmaier Group</b><br>(49) 8741-47-0; draexlmaier.com                  | Landshuter Strasse 100<br>Vilsbiburg, Bavaria 84137, Germany                               | Fritz Draexlmaier<br>chairman & CEO                                     | <b>4,650</b> e  | 3,910 e  | 16 | -  | -  | -  | Electrical systems, electrical & electronic components, interiors, system assembly  | 53 |
| <b>51 NemaK</b><br>(52) 81-8748-5200; nemak.com                                 | Libramiento Arco Vial Km. 6.8<br>Garcia NL 66000, Mexico                                   | Armando Tamez<br>CEO  | <b>4,622</b>    | 4,391    | 61 | 31 | 3  | 5  | Aluminum cylinder heads, engine blocks, transmissions, structural components & other components   | 48 |
| <b>52 Eberspaecher Gruppe GmbH</b><br>(49) 711-939-00; eberspaecher.com         | Eberspaecherstrasse 24, Esslingen,<br>Baden-Wuerttemberg 73730, Germany                    | Heinrich Baumann, COO &<br>Martin Peters, CFO & managing partners       | <b>4,600</b> e  | 3,710 e  | 26 | 68 | 3  | 3  | Silencers, catalytic converters, particulate filters, manifolds, vehicle heaters, electrical vehicle heaters, electronics   | 55 |
| <b>53 TS Tech Co.</b><br>(81) 48-462-1121; tstech.co.jp                         | 3-7-27 Sakae-cho, Asaka-shi,<br>Saitama-ken 351-0012, Japan                                | Michio Inoue<br>president   | <b>4,571</b> fe | 4,492 fe | 47 | -  | -  | 53 | Seats, interior trim, roof & door liners  | 47 |
| <b>54 Hyundai Powertech Co.</b><br>(82) 41-661-9114; powertech.co.kr            | 958 Chungui-Ro, Jigok-myun, Seosan-shi,<br>Chungnam 356-863, South Korea                   | Hajjin Kim<br>CEO   | <b>4,419</b> e  | 3,885 e  | 22 | 5  | 72 | 1  | Automatic transmissions   | 54 |
| <b>55 NSK</b><br>(81) 3-3779-7111; nsk.com                                      | Nissei Bldg, 1-6-3 Ohsaki, Shinagawa-ku,<br>Tokyo 141-8560, Japan                          | Norio Otsuka<br>president & CEO   | <b>4,394</b> fe | 5,905 fe | 15 | 13 | 70 | 2  | Bearings, hub bearings, steering columns, electric power steering, automatic transmission products  | 39 |
| <b>56 NTN Corp.</b><br>(81) 6-6443-5001; ntn.co.jp/japan                        | 3-17, 1-chome, Kyomachibori, Nishi-ku<br>Osaka 550-0003, Japan                             | Hiroshi Ohkubo<br>chairman & CEO  | <b>4,263</b> fe | 4,325 fe | 29 | 24 | 46 | 1  | Constant velocity joints, axle bearings, needle roller bearings, tapered roller bearings, intelligent in-wheel parts for EVs  | 51 |
| <b>57 Federal-Mogul Corp.</b><br>(248) 354-7700; federalmogul.com               | 27300 W. 11 Mile Road<br>Southfield, MI 48034, USA   | Rainer Jueckstock<br>& Daniel Ninivaggi, co-CEOs                        | <b>3,800</b> e  | 4,200 e  | 34 | 48 | -  | 18 | Pistons, rings, cylinder liners, piston pins, ignition & spark plugs, bearings, valve seats & guides, gaskets, seals, heat shields, brake friction materials & products, systems protection products, lighting products, wipers, fuel pumps | 50 |
| <b>58 American Axle &amp; Mfg. Holdings Inc.</b><br>(313) 758-2000; aam.com     | One Dauch Drive<br>Detroit, MI 48211, USA  | David Dauch<br>chairman, president & CEO                                | <b>3,696</b>    | 3,207    | 86 | 3  | 7  | 4  | Driveline & drivetrain systems & related components   | 62 |
| <b>59 Leoni AG</b><br>(49) 911-2023-0; leoni.com                                | Marienstrasse 7<br>Nuremberg 90402, Germany  | Dieter Belle<br>president & CEO   | <b>3,400</b> f  | 3,710 f  | 15 | 66 | 19 | -  | Wires & strands, optical fibers, cables, cable systems, wiring systems, fuse & relay boxes, special connectors  | 56 |
| <b>60 Keihin Corp.</b><br>(81) 03-3345-3411; keihin-corp.co.jp                  | Shinjuku Nomura Bldg. 39F 1-26-2,<br>Nishi-shinjuku, Shinjuku-ku,<br>Tokyo 163-0539, Japan | Tsuneo Tanai<br>president   | <b>3,394</b> f  | 3,136 f  | 36 | 2  | 62 | -  | Air & fuel management systems; electronic systems, HVAC systems, electronic management systems  | 66 |

|  |  |  |                  |           |    |    |    |    |  |    |
|--|--|--|------------------|-----------|----|----|----|----|--|----|
| <b>61 TI Automotive</b><br>(248) 494-5000; tiautomotive.com                      | 1272 Doris Road<br>Auburn Hills, MI 48326, USA                           | Bill Kozyra<br>chairman, president & CEO | <b>3,300</b> e   | 3,200 e   | 27 | 41 | 29 | 3  | Automotive fluid systems technology  | 63 |
| <b>62 Cooper-Standard Automotive</b><br>(248) 596-5900; cooperstandard.com       | 39550 Orchard Hill Place Drive<br>Novi, MI 48375, USA                    | Jeffrey Edwards<br>CEO                   | <b>3,244</b> fe  | 3,091 fe  | 52 | 35 | 8  | 5  | Sealing systems, fuel & brake delivery systems, fluid transfer systems; anti-vibration systems, subsystems & modules   | 67 |
| <b>63 Webasto SE</b><br>(49) 89-857-940; webasto.com                             | Krailling Strasse 5<br>Stockdorf 82131, Germany                          | Holger Engelmann<br>chairman             | <b>3,151</b> f   | 3,008 f   | 19 | 48 | 33 | –  | Sunroofs, panorama roof systems, convertible roof systems, vehicle pre-heating systems   | 58 |
| <b>64 DuPont</b><br>(302) 774-1000; dupont.com                                   | 1007 Market St.<br>Wilmington, DE 19898, USA                             | Ellen Kullman<br>chairman & CEO          | <b>3,060</b> e   | 3,000 e   | 30 | 30 | 30 | 10 | High-performance polymers, elastomers, renewable sourced polymers, fibers & fluoropolymers; battery separator & electronic material technologies, fabricated products, advanced composite materials, specialty chemicals, lubricants, refrigerants, films, bio-based fuels | 68 |
| <b>65 Linamar Corp.</b><br>(519) 836-7550; linamar.com                           | 287 Speedvale Ave. W.<br>Guelph, Ontario N1H 1C5, Canada                 | Linda Hasenfratz<br>CEO                  | <b>3,018</b>     | 2,630     | 75 | 13 | 10 | 2  | Engine camshafts, connecting rods, cylinder heads & blocks, balance shaft assemblies, fuel rails, transmission gears, differentials, clutch modules, shafts & shell assemblies, all-wheel-drive systems  | 70 |
| <b>66 Grupo Antolin</b><br>(34) 947-47-7700; grupoantolin.com                    | Ctra. Madrid-Irun Km. 244'8<br>Burgos E09007, Spain                      | Ernesto Antolin<br>chairman              | <b>2,957</b>     | 3,625     | 30 | 59 | 7  | 4  | Overhead systems, door module & panels, window regulators, seat functions, interior & exterior lighting  | 57 |
| <b>67 Honeywell</b><br>(973) 455-2000; honeywell.com                             | 101 Columbia Road<br>Morristown, NJ 07962, USA                           | Dave Cote<br>chairman & CEO              | <b>2,950</b>     | 3,217     | 14 | 64 | 21 | 1  | Turbochargers & other high-speed, aerodynamic engine devices   | 61 |
| <b>68 Nexteer Automotive</b><br>(989) 757-5000; nexteer.com                      | 3900 E. Holland Road<br>Saginaw, MI 48601, USA                           | Laurent Bresson<br>president & COO       | <b>2,900</b> fe  | 2,387 f   | 69 | 12 | 17 | 2  | Electric power steering, hydraulic power steering, steering columns, halfshafts  | 79 |
| <b>69 Infineon Technologies AG</b><br>(49) 89-234-0; infineon.com                | Am Campeon 1-12<br>Neubiberg 85579, Germany                              | Reinhard Ploss<br>CEO                    | <b>\$2,890</b> e | \$2,411 e | 17 | 45 | 33 | 5  | Microcontrollers, intelligent sensors; power semiconductors & power modules for powertrain; safety & body, convenience applications  | 78 |
| <b>70 NHK Spring Co.</b><br>(81) 45-786-7511; nhkspg.co.jp                       | 3-10 Fukuura, Kanazawa-ku<br>Yokohama 236-0004, Japan                    | Kazumi Tamamura<br>president & CEO       | <b>2,887</b> fe  | 3,203 fe  | 15 | 1  | 84 | –  | Stabilizer bars, coil springs, seat & valve springs  | –  |
| <b>71 Hyundai Dymos Inc.</b><br>(82) 31-369-9914; hyundai-dymos.com/en/          | 703-2, Galhyun-ri, Seongyoun-myun<br>Seosan-si, Chungcheongnam-do, Korea | Seung-dong Yeo<br>CEO                    | <b>2,833</b> f   | 2,434 f   | 2  | 14 | 79 | 5  | Transmissions, axles, seating systems  | 76 |
| <b>72 Dow Automotive/Related Businesses</b><br>(248) 391-6300; dowautomotive.com | 1250 Harmon Road<br>Auburn Hills, MI 48326, USA                          | Steve Henderson<br>president             | <b>2,800</b>     | 2,600     | 32 | 35 | 19 | 14 | Glass bonding adhesives, structural adhesives, epoxy composites, polyurethane foams, acoustic foams, elastomers, fluids  | 71 |
| <b>73 Showa Corp.</b><br>(81) 485-54-1151; showa1.com                            | 1-14-1 Fujiwara-cho, Gyoda-city<br>Saitama Prefecture 361-8506, Japan    | Yoichi Hojo<br>president                 | <b>2,678</b> fe  | 3,171 fe  | 25 | 1  | 69 | 5  | Shock absorbers, power steering gearbox & pump; propeller shaft, gas springs, CVT pumps  | 64 |
| <b>74 Mitsuba Corp.</b><br>(81) 277-52-0111; mitsuba.co.jp                       | 2681, 1-Chome, Hiroawa-Cho,<br>Kiryu, Gunma Prefecture 376-8555, Japan   | Yuichi Nagase<br>president               | <b>2,674</b> fe  | 2,526 fe  | 24 | 5  | 68 | 3  | Wiper systems, power window motors, starter motors, fan motors, seat motors, sunroof motors, power slide door assemblies, power tailgate systems   | 73 |
| <b>75 CIE Automotive SA</b><br>(34) 94-605-62-00; cieautomotive.com              | Alameda Mazarredo 69-8C<br>Bilbao, Vizcaya 48009, Spain                  | Jesus Maria Herrera<br>CEO               | <b>2,616</b>     | 2,440     | 21 | 56 | 9  | 14 | Engine & powertrain components, chassis & steering components, exterior & interior trim, roof systems components   | 75 |
| <b>76 Leopold Kostal GmbH</b><br>(49) 2351-16-0; kostal.com                      | An der Bellmerel 10<br>Luedenscheid, NRW 58513, Germany                  | Andreas Kostal<br>chairman               | <b>2,607</b> fe  | 2,538 f   | 16 | 55 | 24 | 5  | Steering column modules, roof modules, center console modules, driver assistance, body network control units, interior control units, power application control units, switch panels & face plates, switches, connector systems  | 72 |
| <b>77 Iochpe-Maxion SA</b><br>(55) 11-5508-3800; iochpe.com                      | Rua Luigi Galvani 146-13 andar<br>Sao Paulo, SP 04575-020, Brazil        | Marcos Oliveira<br>CEO                   | <b>2,520</b> f   | 2,737 f   | 29 | 33 | 6  | 32 | Wheels, structural components  | 69 |
| <b>78 Inteva Products</b><br>(248) 655-8886; intevaproducts.com                  | 1401 Crooks Road<br>Troy, MI 48084, USA                                  | Lon Offenbacher<br>president & CEO       | <b>2,500</b> f   | 2,500 f   | 41 | 31 | 28 | –  | Closure systems, interior systems; motor, electronic & roof systems  | 74 |
| <b>79 Metaldyne Performance Group Inc.*</b><br>(734) 207-6200; mpgdriven.com     | 47659 Halyard Drive<br>Plymouth, MI 48170, USA                           | George Thanopoulos<br>CEO                | <b>2,466</b>     | –         | 75 | 15 | –  | 10 | Components for transmission, engine, driveline & safety-critical applications  | –  |
| <b>80 KSPG AG</b><br>(49) 7132-33-0; kspg.com                                    | Karl Schmidt Strasse<br>Neckarsulm 74172, Germany                        | Horst Binnig<br>CEO                      | <b>2,450</b>     | 3,268     | 15 | 70 | 10 | 5  | Pistons, emission-control products, oil/water pumps, engine blocks, manifolds, bearings  | 59 |
| <b>81 CITIC Dicastal Co.</b><br>(86) 335-5358549; dlicastal.com                  | No.185 Longhai Road<br>Qinhuangdao, Hebei 066011, China                  | Zuo Xu<br>general manager                | <b>2,387</b> f   | 2,107 f   | 27 | 26 | 46 | 1  | Aluminum alloy wheels, aluminum casting parts  | 83 |
| <b>82 TrellborgVibracoustic</b><br>(49) 6151-3964-214; tbvc.com                  | Europaplatz 4<br>Darmstadt, Hessen 64293, Germany                        | Hans-Juergen Goslar<br>CEO               | <b>2,352</b>     | 2,234     | 23 | 58 | 13 | 6  | Engine mounts, chassis mounts, chassis bushings, exhaust mounts, MCU spring carrier, bumpers, torsional vibration dampers, air springs & tuned mass dampers  | 81 |

|  |   |   |                 |          |     |    |    |   |   |     |
|--|---|---|-----------------|----------|-----|----|----|---|---|-----|
| <b>83 Sumitomo Riko Co.**</b><br>(81) 568-77-2121; tokai.co.jp               | 3-1 Higashi, Komaki<br>Komaki City, Aichi 485-8550, Japan                             | Yoshiaki Nishimura<br>president                     | <b>2,301</b> fe | 2,431 fe | 21  | 13 | 63 | 3 | Anti-vibration molded rubber, fuel-delivery systems   | 77  |
| <b>84 Bridgewater Interiors</b><br>(313) 842-3300; bridgewater-interiors.com | 4617 W. Fort St.<br>Detroit, MI 48209, USA  | Ronald Hall Sr.<br>CEO                              | <b>2,282</b> f  | 2,180 f  | 100 | –  | –  | – | Seating systems   | 82  |
| <b>85 Alpine Electronics Inc.</b><br>(81) 246-36-4111; alpine.com            | 20-1 Yoshima-Kogyodanchi<br>Iwaki, Fukushima 970-1192, Japan                          | Toru Usami<br>CEO                                   | <b>2,180</b> fe | 2,300 fe | 37  | 39 | 15 | 9 | Navigation, telematics, drive assist, sound & video systems   | 80  |
| <b>86 Tower International</b><br>(248) 675-6000; towerinternational.com      | 17672 N. Laurel Park Drive, Ste. 400E<br>Livonia, MI 48152, USA                       | Mark Malcolm<br>president & CEO                     | <b>2,068</b>    | 2,102    | 52  | 37 | 4  | 7 | Body structures & assemblies, lower vehicle frames & structures, chassis modules & systems, suspension components   | 84  |
| <b>87 Kautex Textron GmbH</b><br>(49) 228-488-0; kautex.com                  | Kautexstr. 52<br>Bonn D-53229, Germany  | Vicente Perez-Lucerga<br>president & CEO            | <b>1,980</b> fe | 1,814 f  | 42  | 43 | 13 | 2 | Fuel tank systems, clear vision systems, selective catalytic reduction systems, camshafts, packaging  | 89  |
| <b>88 Nissin Kogyo Co.</b><br>(81) 268-24-3111; nissinkogyo.co.jp            | 840 Kokubu, Ueda City,<br>Nagano Prefecture 386-8505, Japan                           | Ohkawara Eiji<br>president                          | <b>1,874</b> f  | 1,437 f  | 26  | 1  | 67 | 6 | ABS, VSA, foundation brake systems, rear toe control, aluminum knuckles, aluminum mounts, clutch cylinders  | 96  |
| <b>89 Autoneum</b><br>(41) 52-244-82-82; autoneum.com                        | Schlossstrasse 43<br>8406 Winterthur, Switzerland                                     | Martin Hirzel<br>CEO                                | <b>1,798</b>    | 1,889    | 46  | 41 | 7  | 6 | Engine covers, hoodliners, outer dashes, water box shields, inner dashes, non woven carpets, tufted carpets, floor insulators, floor mats, underbody shields, floor pans, heatshields, outer tunnel insulators, wheelhouse outer liners, dampers/stiffeners, sealants, acoustic parts | 86  |
| <b>90 Dura Automotive Systems</b><br>(248) 299-7500; duraauto.com            | 1780 Pond Run<br>Auburn Hills, MI 48326, USA  | Lynn Tilton<br>CEO                                  | <b>1,754</b>    | 1,649    | 43  | 48 | 6  | 3 | Lightweight structural door & body systems; mechatronic control systems, including shift-by-wire systems; exterior systems, including glass systems & exterior trim   | 92  |
| <b>91 AB SKF Automotive Market*</b><br>(46) 31-337-1000; skf.com             | Hornsgatan 1<br>Gothenburg SE-41550, Sweden   | Stephane Le-Mounier<br>president, Automotive Market | <b>\$1,753</b>  | \$1,820  | 23  | 51 | 21 | 5 | Bearings, bearing units, automotive specialty products, seals, molded rubber products   | 88  |
| <b>92 Pioneer Corp.</b><br>(81) 44-580-3211; pioneer.co.jp                   | 1-1 Shin-ogura, Saiwai-ku,<br>Kawasaki-shi, Kanagawa 212-0031, Japan                  | Susumu Kotani<br>president & CEO                    | <b>1,694</b> fe | 1,829 fe | 22  | 11 | 65 | 2 | Audio & video entertainment, navigation systems   | –   |
| <b>93 Akebono Brake Industry Co.</b><br>(81) 3-3668-5171; akebono-brake.com  | 19-5 Nihonbashi Koamicho Chuo-ku<br>Tokyo 103-8534, Japan                             | Hisataka Nobumoto<br>chairman, president & CEO      | <b>1,678</b> f  | 1,622 f  | 49  | 3  | 48 | – | Brake friction materials, foundation brake assemblies   | 85  |
| <b>94 F-Tech Inc.</b><br>(81) 480-85-7236; ftech.co.jp                       | 19 Showanuma Shobumachi,<br>Minami Saitama-gun, Saitama<br>Prefecture 346-0194, Japan | Tsuguo Kimura<br>chairman & CEO                     | <b>1,597</b> fe | 1,721 f  | 63  | –  | 37 | – | Chassis, suspension systems, control arms, pedal assemblies, hydroforming   | 91  |
| <b>95 Novelis Inc.</b><br>(404) 760-4000; novells.com                        | 3560 Lenox Road N.E., Ste. 2000<br>Atlanta, GA 30326, USA                             | Phillip Martens<br>president & CEO                  | <b>1,581</b> fe | 1,211 fe | 38  | 55 | 7  | – | Flat-rolled aluminum sheet for vehicle structures, body panels, heat exchangers, heat shields & other automotive applications   | –   |
| <b>96 Michelin Group</b><br>(33) 4-73-32-2000; michelin.com                  | 23 Place des Carmes Dechaus<br>Clermont-Ferrand 63040, Cedex 9, France                | Jean-Dominique Senard<br>CEO                        | <b>1,570</b> e  | 1,600 e  | 43  | 36 | 20 | 1 | Tires   | 94  |
| <b>97 Georg Fischer Automotive AG</b><br>(41) 52-631-11-11; gfau.com         | Amsler-Laffon-Strasse 9<br>Schaffhausen 8201, Switzerland                             | Josef Edbauer<br>president                          | <b>1,546</b>    | 1,616    | 2   | 87 | 11 | – | Lightweight castings, stressable castings, structural parts, components for E-Mobility  | 93  |
| <b>98 Sensata Technologies Holding NV</b><br>(31) 546-879560; sensata.com    | Koithofsingel 8<br>Almelo 7602 EM, The Netherlands                                    | Martha Sullivan<br>president & CEO                  | <b>1,500</b>    | 1,214    | 28  | 39 | 32 | 1 | Pressure, temperature, speed & position sensors, motor protectors, switches   | 100 |
| <b>99 Omron Corp.</b><br>(81) 568-78-6181; omronauto.com                     | 6368 Nenjo-zaka, Okusa<br>Komaki-city, Aichi 485-0802, Japan                          | Katsuhiko Wada<br>managing officer, president & CEO | <b>1,446</b> fe | 1,468 fe | 28  | 6  | 65 | 2 | Electronic control units, keyless entry, switches, closure controls, relays, electronic power steering  | 95  |
| <b>100 Clarion Co.</b><br>(81) 48-601-3700; clarion.com                      | 7-2 Shintoshin, Chuo-ku,<br>Saitama-shi 330-0081, Japan                               | Tatsuhiko Izumi<br>chairman & CEO                   | <b>1,400</b> fe | 1,414 fe | 38  | 9  | 52 | 1 | Intelligent safety & advanced driver-assistance systems, in-vehicle, cloud connectivity platforms & services, mobile multimedia & navigation systems  | 97  |

## Top 50 European OEM parts suppliers – Ranked by sales of original equipment parts in 2014

| 2014 Europe rank | 2014 global rank | Company   | Total Europe OEM automotive parts sales (dollars in millions) 2014 | Total Europe OEM automotive parts sales (dollars in millions) 2013 | 2013 Europe rank | 2013 global rank | 2014 Europe rank | 2014 global rank | Company  | Total Europe OEM automotive parts sales (dollars in millions) 2014 | Total Europe OEM automotive parts sales (dollars in millions) 2013 | 2013 Europe rank | 2013 global rank |
|------------------|------------------|---|--|--|------------------|------------------|------------------|------------------|--|--|--|------------------|------------------|
| 1                | 1                | <b>Robert Bosch GmbH</b><br>bosch.com               | \$22,120 e   | \$21,297 e   | 1                | 1                | 26               | 31               | <b>Visteon Corp.</b><br>visteon.com                        | \$2,703  | \$2,232  | 30               | 31               |
| 2                | 3                | <b>Continental AG</b><br>conti-online.com           | 16,865 fe  | 16,415 fe  | 2                | 4                | 27               | 27               | <b>Tenneco Inc.</b><br>tenneco.com                         | 2,526 e  | 2,389 e  | –                | –                |
| 3                | 2                | <b>Magna International Inc.</b><br>magna.com        | 14,167   | 14,094   | 3                | 3                | 28               | 43               | <b>IAC Group</b><br>iacgroup.com                           | 2,301  | 2,184  | 32               | 42               |
| 4                | 7                | <b>Faurecia</b><br>faurecia.com                     | 14,024   | 12,933   | 4                | 7                | 29               | 5                | <b>Aisin Seiki Co.</b><br>aisin.co.jp                      | 2,246 fe   | 2,224 fe   | 31               | 5                |
| 5                | 9                | <b>ZF Friedrichshafen AG</b><br>zf.com              | 12,428 f   | 11,852 f   | 5                | 9                | 30               | 59               | <b>Leoni AG</b><br>leoni.com                               | 2,244 f  | 2,560 f  | 29               | 56               |
| 6                | 8                | <b>Johnson Controls Inc.</b><br>johnsoncontrols.com | 9,200 f  | 9,845 f  | 6                | 8                | 31               | 19               | <b>JTEKT Corp.</b><br>jtekt.co.jp                          | 2,016 fe   | 1,476 f  | 38               | 17               |
| 7                | 11               | <b>Valeo SA</b><br>valeo.com                        | 8,270 e  | 6,833 e  | 8                | 14               | 32               | 39               | <b>Dana Holding Corp.</b><br>dana.com                      | 1,985  | 1,963  | 36               | 34               |
| 8                | 16               | <b>BASF SE</b><br>basf.com                          | 7,229 f  | 7,164 f  | 7                | 16               | 33               | 67               | <b>Honeywell</b><br>honeywell.com                          | 1,888  | 2,059  | 33               | 61               |
| 9                | 10               | <b>Lear Corp.</b><br>lear.com                       | 7,091  | 6,169  | 10               | 10               | 34               | 57               | <b>Federal-Mogul Corp.</b><br>federalmogul.com             | 1,824 e  | 2,058 e  | 34               | 50               |
| 10               | 12               | <b>TRW Automotive Holdings Corp.</b><br>trwauto.com | 6,983 e  | 6,620 e  | 9                | 11               | 35               | 42               | <b>Mitsubishi Electric Corp.</b><br>mitsubishielectric.com | 1,800 fe   | 1,603 fe   | –                | 41               |
| 11               | 18               | <b>Mahle GmbH</b><br>mahle.com                      | 6,539 f  | 3,998 f  | 17               | 22               | 36               | 66               | <b>Grupo Antolin</b><br>grupoantolin.com                   | 1,745  | 2,030  | 35               | 57               |
| 12               | 13               | <b>Delphi Automotive</b><br>delphi.com              | 6,081 e  | 6,051 e  | 11               | 13               | 37               | 80               | <b>KSPG AG</b><br>kspg.com                                 | 1,715 e  | 2,353 e  | 28               | 59               |
| 13               | 30               | <b>Magneti Marelli S.p.A.</b><br>magnetimarelli.com | 5,372 f  | 4,911 f  | 12               | 28               | 38               | 47               | <b>Goodyear Tire &amp; Rubber Co.</b><br>goodyear.com      | 1,700 e  | 1,400 e  | 41               | 52               |
| 14               | 28               | <b>Gestamp Automocion SA</b><br>gestamp.com         | 5,234  | 4,755  | 13               | 27               | 39               | 63               | <b>Webasto SE</b><br>webasto.com                           | 1,512 f  | 1,414 f  | 37               | 58               |
| 15               | 23               | <b>Schaeffler AG</b><br>schaeffler.com              | 4,312 e  | 4,572 e  | 14               | 24               | 40               | 75               | <b>CIE Automotive SA</b><br>cieautomotive.com              | 1,465  | 1,147  | 47               | 75               |
| 16               | 4                | <b>Denso Corp.</b><br>globaldenso.com               | 4,036 fe   | 4,212 fe   | 16               | 2                | 41               | 51               | <b>Nemak</b><br>nemak.com                                  | 1,446  | 1,405  | 40               | 48               |
| 17               | 36               | <b>Brose Fahrzeugteile GmbH</b><br>brose.com        | 3,738  | 3,429  | 20               | 38               | 42               | 76               | <b>Leopold Kostal GmbH</b><br>kostal.com                   | 1,434 fe   | 1,396 f  | 42               | 72               |

|    |    |   |          |          |    |    |    |    |  |          |          |    |    |
|----|----|---|----------|----------|----|----|----|----|--|----------|----------|----|----|
| 18 | 29 | <b>BorgWarner Inc.</b><br>borgwarner.com            | 3,737    | 3,570    | 18 | 32 | 43 | 49 | <b>Takata Corp.</b><br>takata.com                        | 1,372 f  | 1,307 f  | 44 | 44 |
| 19 | 35 | <b>HELLA KGaA Hueck &amp; Co.</b><br>hella.com      | 3,657 fe | 3,551 fe | 19 | 36 | 44 | 82 | <b>TrelleborgVibracoustic</b><br>tbvc.com                | 1,364 e  | 1,318 e  | 45 | 81 |
| 20 | 40 | <b>Plastic Omnium Co.</b><br>plasticomnium.com      | 3,180    | 3,084    | 22 | 37 | 45 | 61 | <b>TI Automotive</b><br>tiautomotive.com                 | 1,353 e  | 1,312 e  | 43 | 63 |
| 21 | 52 | <b>Eberspaecher Gruppe GmbH</b><br>eberspaecher.com | 3,128 e  | 2,560 e  | 27 | 55 | 46 | 97 | <b>Georg Fischer Automotive AG</b><br>gfau.com           | 1,345    | 1,406    | 39 | 93 |
| 22 | 22 | <b>Autoliv Inc.</b><br>autoliv.com                  | 3,049    | 2,905    | 24 | 19 | 47 | 69 | <b>Infineon Technologies AG</b><br>infineon.com          | 1,301 e  | 1,133 e  | 48 | 78 |
| 23 | 6  | <b>Hyundai Mobis</b><br>mobis.co.kr                 | 2,886 f  | 2,640 f  | 25 | 6  | 48 | 21 | <b>Panasonic Automotive Systems Co.</b><br>panasonic.net | 1,157 fe | 831 fe   | -  | 23 |
| 24 | 41 | <b>Samvardhana Motherson Group</b><br>motherson.com | 2,885 f  | 2,544 f  | 26 | 40 | 49 | 62 | <b>Cooper-Standard Automotive</b><br>cooperstandard.com  | 1,135 fe | 1,082 fe | 49 | 67 |
| 25 | 34 | <b>GKN</b><br>gkn.com                               | 2,807    | 2,926    | 23 | 30 | 50 | 20 | <b>CalsonicKansei Corp.</b><br>calsonickansei.co.jp      | 1,077 fe | 858 fe   | -  | 21 |

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