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 <p>https://www.piagroup.com/</p>	<p>PIA Automation is an international corporate group that offers technically complex, commercially mature automation solutions. Its range of services covers everything from manual assembly workstations to fully-automated production systems with integrated testing technology and data recording. PIA has mastered the interplay of mechanics, electronics, programming, measurement technology, production systems, documentation, image processing and robotics, along with research and development. It has responded to the trends toward digitization and networking with its own IoT solutions. PIA supports its customers through all project stages from conception over design, set-up to after sales. The group employs more than 1700 automation specialists at ten locations in Germany, Austria, Croatia, the US, Canada and China. Its business areas include mobility – particularly powertrain, e-mobility, safety, components, ADAS, battery –, commercial goods, consumer goods and healthcare. PIA Automation – WE AUTOMATE YOUR WORLD</p>	<p>Frau Ute Adelmann,  9771 6352 4844, M +49 (0) 160 91 60 61 46, ute.adelmann@piagroup.com</p>
 <p>https://www.viscotec.de/</p>	<p>ViscoTec Pumpen- u. Dosiertechnik GmbH manufactures systems required for conveying, dosing, applying, filling and emptying fluids ranging from medium to high viscosity. ViscoTec dosing systems offer excellent conditions for the field of e-mobility: Both for processing all low to high viscosity 1 and 2 component materials, such as gap fillers and liquid seals, and for applications such as potting and bonding. Even materials with high filler content can be dosed with high precision. Other examples of applications in e-mobility in which ViscoTec dosing systems are successfully used are battery cell, battery module and battery pack production, as well as impregnation, bonding, potting and sealing applications.</p>	<p>Sandra Demmelhuber, sandra.demmelhuber@viscotec.de,  631 9274 411</p>
 <p>http://www.isravision.com</p>	<p>For more than 30 years, ISRA VISION has been producing web surface inspection systems and Business Intelligence Software. The company's market-leading portfolio of fully automated and Industry 4.0 compatible, 100% high-speed inspection systems is used in a broad range of industries like film, metal, paper or glass. Supported by a global service, ISRA systems are used in the battery industry to detect and classify defects, to improve processes and to increase yield.</p>	<p>Nessaja Scheinhardt, nscheinhardt@isravision.com, +49-2366-9300-284</p>
 <p>www.bst.group</p>	<p>The BST Group is one of the world's leading full-service providers of systems for quality management in the web-processing industries. BST systems not only ensure consistent, first-class results in roll-to-roll production, but also play a significant part in the acceleration of processes and the sustainable increase in productivity. With many decades of experience, the BST Group represents first-class solutions for web guiding and monitoring, inspection, color measurement & management, register control, automation and process optimization and control. Our solutions are used in various industries around the world, like industry of printing & packaging, coating and converting, production of films and foils, rubber & tires, Li-Ion battery, fuel cells and the manufacturing of solar cells.</p>	<p>Klaus Hamacher, klaus.hamacher@bst.group,  M: +49 151 161 47 940 Florian Kortekamp, florian.kortekamp@bst.group, M: +49 151 64963866 Kai Prahll, kai.prahll@bst.group,  71 51 88 183</p>

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 <p>www.bosch-engineering-production-services.com</p>	<p>Kurzprofil Bosch Engineering and Production Services Bosch Engineering and Production Services has over 60 years of experience as a worldwide engineering and manufacturing provider. Since the beginning, we set a value on high qualification of our employees to accomplish complex business challenges. Our team consists of more than 240 experts worldwide in order to guarantee you get the best solution for your individual requests. Your company's requirements build the base of our work. Our goal is to understand the deep rationale behind your value stream and help simplify tasks with our industrial experience and professional consulting. We are here to help you reach your goals with our wealth of industrial knowledge and practical hands-on mentality.</p>	<p>Johnathan Hill, Johnathan.Hill@de.bosch.com Tel. +49 711 811-0</p>
 <p>www.ii-vi.com/laser-processing-tools/</p>	<p>II-VI is one of the world's leading suppliers in the laser material processing industry. Our broad selection of laser processing heads is tailored for macro processing. We offer processing heads for conventional laser welding, 2D and 3D remote laser welding, laser brazing, and laser cutting. The robust modular product design meets the most demanding requirements of the manufacturing industry: high uptime, user-friendly operation and logical system integration. The laser processing heads can also be customized to meet specific application requirements. Our global technical product support team assists with on-site installations and is at your service to ensure the maximum uptime of your production line.</p>	<p>Mr. Marc Hübner Sales Manager Global Projects +49-175-95-16-075 marc.huebner@ii-vi.com</p>
 <p>https://www.sick.com/</p>	<p>From factory automation to logistics automation and process automation, SICK's sensor solutions are keeping industry moving. As a technology and market leader, SICK provides sensor intelligence and application solutions that create the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents, and preventing damage to the environment. The production of lithium-ion batteries continues to evolve towards new materials, increasing quality and higher efficiency. With over 50 subsidiaries and more than 10,000 employees worldwide, SICK application experts are always nearby to help you solve your automation challenges with SICK sensor technologies.</p>	<p>Philipp Mutz philipp.mutz@sick.de +497681 202 3285</p>
 <p>https://www.groz-beckert.com/en/</p>	<p>Groz-Beckert is the world's leading provider of industrial machine needles, precision parts and fine tools as well as systems and services for the production and joining of textile fabrics. Due to its manufacturing capabilities Groz-Beckert has also become the leading supplier of stamping technology in the field of foil processing for the production of lithium-ion batteries. Punching tools for notching or full blanking operations Embossing tools for pouch batteries Tab cutting tools Founded in 1852 Groz-Beckert today employs around 9,000 people and operates with agencies, production and distribution subsidiaries in more than 150 countries around the world.</p>	<p>Carsten Kohlberger, Carsten.Kohlberger@groz-beckert.com, +49 7431 10 2304</p>

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<p>INDUSTRIE-PARTNER </p> <p>engineering machine battery</p> <p>https://www.ip-powersystems.com/pages/en/home.php</p>	<p>IP PowerSystems develops sustainable processes and designs appropriate machines to offer efficient and ecologically advantageous solutions for the production of lithium-ion battery cells. Our portfolio comprises equipment and services for cell assembly, electrolyte filling and further process steps, ranging from research application to mass production.</p> <p>To overcome current issues of conventional production, we developed a novel, patented technology for electrolyte filling without dry room. This enables fast electrolyte filling and wetting. Our innovative concept offers great potential for saving energy, material and costs and for reducing the carbon footprint.</p>	<p>Ulrike Polnick, Ulrike.polnick@ip-coswig.de</p>
<p>LIEBHERR</p> <p>www.liebherr.com</p>	<p>Founded in 1969, Liebherr-Verzahntechnik GmbH now employs around 1,500 staff worldwide. Liebherr is one of the world's leading manufacturers of gear cutting machines, gear cutting tools, and automation systems. There are currently 1,200 employees working at the headquarters in Kempten.</p> <p>Product area of automation systems</p> <p>In the automation systems product area Liebherr supplies gantries for handling workpieces weighing up to 6,500kg, as well as automatic loading and unloading equipment for machine tools and various transport systems. Projects in all areas of manufacturing and assembly can be implemented with a wide range of products such as linear gantries, pallet handling systems and conveyor systems.</p>	<p>Viktor Bayrhof; viktor.bayrhof@liebherr.com Phone: + 49 831 786 3069</p>
<p> KROENERT</p> <p>www.kroenert.de</p>	<p>KROENERT is a supplier of customised coating, printing and laminating lines for all web-shaped materials like paper, plastic film or metal foils world-wide – and that since 1903.</p> <p>With KROENERT coating machines also functional layers are applied to metal foils as well as ceramic layers for separator membranes. Besides these applications for rechargeable batteries also substrates for fuel cell applications are coated. As a smaller solution we can offer you the Labco system for that. For existing installations we can offer single components for the installation and conversion, e.g. coating systems, dryers or winders.</p>	<p>Andrea Glawe, andrea.glawe@kroenert.de, +49 40 85 393 660 (Europe, Asia) Christian Werner, christian.werner@kroenert.de, +49 40 85 393 172 (Europa, America)</p>
<p>SCHULER </p> <p>Member of the ANDRITZ GROUP</p> <p>www.schulergroup.com</p>	<p>Schuler offers cutting-edge technology in all areas of forming technologies. Our products include automation and software solutions, dies, process know-how and service for the entire metalworking industry. Our customers are automobile manufacturers and automotive suppliers and companies in the forging, household appliance and electrical engineering industries. In the digital transformation of forming technology we support our customers worldwide. In 2019, we generated sales of € 1.136 billion. Schuler AG has approx. 6,000 employees at production sites in Europe, China and the Americas, as well as at service companies in more than 40 countries. The company is majority-owned by the Austrian ANDRITZ Group.</p>	<p>Markus Röver markus.roever@schulergroup.com + 49 (0) 7161 66 1540</p>

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 <p>http://www.eirich.com</p>	<p>The EIRICH GROUP is a family operated corporate group in the specialized mechanical engineering field headquartered in Hardheim, Baden Württemberg. As a worldwide leader in machine manufacturing specializing in material processing, EIRICH has designed, conceptualized, and produced advanced manufacturing technologies for mixing, granulating, dispersing, kneading, reacting, tempering, and milling since 1963. Solutions for process technology and automation complete EIRICH's portfolio. Over 1300 employees are actively creating the future of process engineering at 15 distribution and manufacturing locations worldwide. EIRICH's advanced technical solutions are primarily used in the areas of battery systems, energy storage, environmental technology, metallurgy, casting, agricultural chemistry, ceramics, and others.</p>	<p>Michael Wetzel, Michael.Wetzel@Eirich.de, +49 151 15038738</p>
 <p>https://www.grobgroup.com/</p>	<p>As a global operating company producing manufacturing equipment, the GROB group provides machine tools, automation systems and fully automated assembly lines to the automotive industry since 1926. In times of a powertrain transition towards electrification, GROB continues to deliver high quality production equipment as well as the required management expertise for this new technology.</p> <p>Beginning with the acquisition of DMG meccanica in 2017 (now GROB Italy S.r.l.), GROB covers the complete electrical powertrain product line – from e-motor to battery to fuel cell assembly.</p> <p>GROB is also able to provide the full technology range for the assembly of stators - from insertion to hairpin to wave winding equipment.</p>	<p>Alexandra Abler, alexandra.abler@grob.de, +49 8261 996-5094</p>
 <p>www.festo.com</p>	<p>Festo is a global player and an independent family-owned company with headquarters in Esslingen, Germany. The company supplies pneumatic and electrical automation technology to 300,000 customers of factory and process automation in over 35 industries. The products and services are available in 176 countries. With about 21,200 employees in over 250 branch offices in 61 countries worldwide, Festo achieved a turnover of around €3.2 billion in 2018.</p> <p>In this learning company, 1.5% of turnover is invested in basic and further training. Yet training services are not only provided for Festo's own staff – Festo Didactic SE also supplies basic and further training programmes in the field of automation technology for customers, students and trainees.</p>	<p>Torsten Schulz, torsten.schulz@festo.com, +49 711 347 52644</p>

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 www.kuka.com	<ul style="list-style-type: none"> - Expert for Process Automation and Integration - Capability to offer Turnkey Solutions of all sizes - E-Mobility solutions also beyond battery (e.g. motors, advanced welding solutions, automation, robotics, logistics solutions) - Approx. 14,200 employees worldwide - The Group is headquartered in Augsburg, Germany - Global Presence (Europe, Asia, North America) and world-wide Service Network - Integration of Battery Module and Pack assembly - In-depth expertise for relevant key processes, including: <ul style="list-style-type: none"> - Electrical and thermal contacting - Dispensing, gluing, taping - Handling, automation - Expertise in cylindrical, prismatic and pouch technology - Vast spectrum of references (OEMs, battery makers, new market entrants) <p style="text-align: right;">Automation and</p>	<p>Sarah Gromes, sarah.gromes@kuka.com; +49 821 797 7265 M +49 160 9343 4415</p>
 www.mt.com	<p>Providing Measurement Solutions Across Customers' Value Chain</p> <p>METTLER TOLEDO offers precision instruments and services for many applications in research and development, quality control, production, logistics and retail to customers around the world.</p> <p>We offer industrial scales in all sizes and formats, terminals and software to control and monitor manufacturing processes. Specialized solutions for formulation, piece-counting and many other applications help to improve productivity and reduce errors.</p> <p>Product inspection solutions help to safeguard product quality, safety and integrity, inside and out. Our systems for metal detection, checkweighing, x-ray and vision inspection provide confidence that product quality is maintained, compliance with industry standards is achieved, and consumers and brands are protected.</p> <p>In addition, our vehicle scale systems offer the highest level of accuracy and can prevent unexpected downtime thanks to a unique design and remote diagnostics capabilities</p>	<p>Björn Weber, bjoern.weber@mt.com + 491797990585</p>
 www.fsbondtec.at	<p>F&S BONDTEC Semiconductor GmbH</p> <ul style="list-style-type: none"> - We provide hardware: turnkey solutions for wire bonding to connect battery cells in modules with 100% yield and module sizes from 50 x 50 mm up to 512 x 720 mm - We also provide test equipment for the quality assurance of wire bonds - We – and only we – have the revolutionary and unique BAMFIT (Bond Accelerated Mechanical Fatigue Interconnect Test) reliability tester which provides a lifetime estimation for wire bonds - We not only supply hardware: we also provide a range of services, such as <ul style="list-style-type: none"> - Feasibility studies - Prototype manufacturing - Contract manufacturing for smaller volumes and help with ramp-up - We are located in Braunau/Austria, close to Munich and Salzburg 	<p>Stefan Berger, stefan.berger@fsbondtec.at, +43 7722 67052-8278</p>

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 <p data-bbox="241 293 562 320">H&T Battery Components</p> <p data-bbox="206 405 483 432">https://www.htbatteries.com</p>	<p data-bbox="640 153 1659 352">H&T Rechargeable provides the global battery market with metal housing solutions. Through our core expertise in seamless deep drawing, we manufacture custom & standard sizes of cylindrical (e.g. 18650, 21700) or prismatic metal cans (e.g. PHEV2, PPE). Our containers are made for all types of high-performance batteries that are used in electric vehicles or in portable or energy storage solutions. With the in-house capability to develop and build advanced production equipment like forming presses, we can moreover customize whole manufacturing lines. In that way, we accompany our customers from prototyping and up to fast mass production ramp-ups worldwide. H&T produces components in EU, USA and Asia.</p>	<p data-bbox="1673 268 2089 320">André Scheidt, andre.scheidt@ht-group.com, +49 151168 027 56</p>