

## DIGITIZATION & AI

### DIGITAL SERVICES AND SOLUTIONS FOR A FUTURE MARKET



Digital transformation is opening a new chapter in industrial history. In our Technology Unit, interdisciplinary and agile teams develop economical and sustainable solutions for the mechanical engineering world of tomorrow. Our focus is on holistic digitalization strategies and the corporate structures of the future.

## DEFENCE INDUSTRY

### PRECISION FOR MILITARY CHALLENGES



We offer high-performance, customized solutions for the defence industry – from automated test benches and robot-guided tub manufacturing to precise battery assembly for military vehicles and aircraft. Our systems for axle testing, swing arm inspection, and laser welding meet the highest standards in safety, quality and efficiency.

## MEDTECH

### FOR MAXIMUM QUALITY AND SAFETY



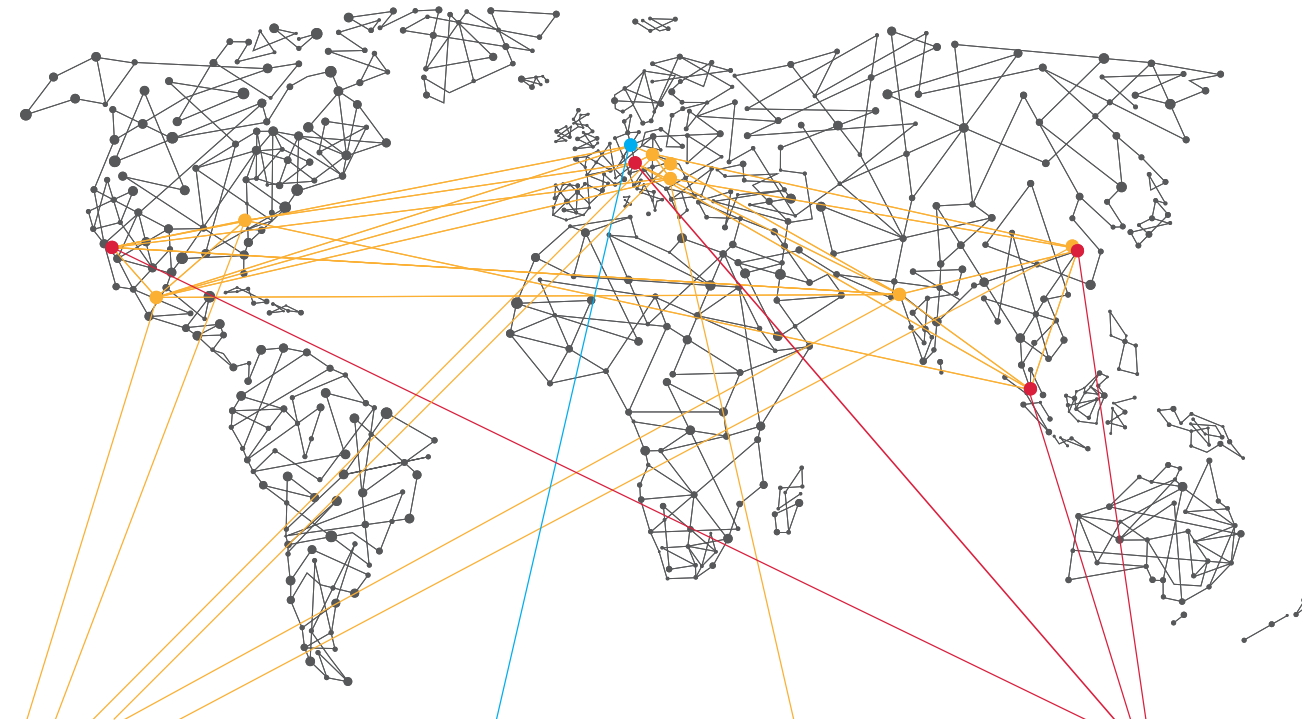
We implement innovative automation solutions for the medical technology and life science sectors – from concept development to seamless implementation. Combined with our expertise in the IIoT sector we guarantee maximum automation and flexibility. Our machines and systems meet the highest clean room and hygiene requirements.

## POWERFUL SYNERGIES: “MEMBER OF STRAMAGROUP”

**Strama-MPS** develops special-purpose machinery, equipment and complete solutions for the production, assembly and testing of complex technical components and products. International technology groups appreciate our engineering expertise, the experience and the certainty: We lead your project to success.

**AuE Kassel** has acquired in recent years an excellent reputation with assembly lines for axles and chassis components in the passenger car and commercial vehicle sector. With its axle alignment systems, AuE has long been the world market leader.

For more than 40 years, **F & K DELVOTEC** is the worldwide innovation leader for wire and laser bonders. Technology and quality convince our customers from the industry and the research institutes.



GERMANY, Straubing  
HUNGARY, Budapest  
CHINA, Taicang  
USA, Duncan  
MEXICO, Puebla  
INDIA, Nashik



GERMANY, Kassel



CROATIA,  
Cerna  
Gradište  
GERMANY,  
Osterhofen



GERMANY, Ottobrunn  
USA, Foothill Ranch  
CHINA, Taicang  
SINGAPORE

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MOVING THE LIMITS.  
TOGETHER. CONSTANTLY.



# MOVING THE LIMITS. IN AUTOMATION.





# PEOPLE. PARTNERS. JOINT SUCCESSES.

Whoever invests in modern production facilities expects a solid “Return” – with **STRAMAGROUP** this is realized. We help our customers to succeed globally by providing the technology.

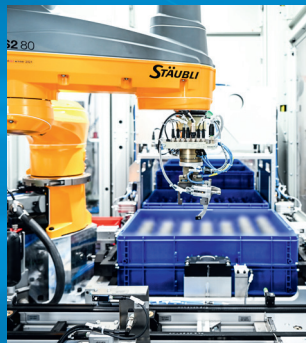
Intelligent special machines deliver significant advantages in production. Standardized components ensure cost efficiency. We combine the best of these two worlds to precision, performance, flexibility and efficiency.

Our customers are successful world-class companies. We could contribute to their achievements and participate at the same time. So we have grown continuously. Over the past ten years, we have doubled the number of our

employees and integrated interesting companies into our corporate group. We have established subsidiaries on three continents. With them, we can ideally complement our portfolio and position ourselves optimally in the world and in the future markets. This enables us to supply our customers in Europe, China, India, Mexico and in the USA, giving them the market advantage: Quality “made in Germany”, top-class engineering, reliable service and provision of “Local Content”.

## AUTOMATION TECHNOLOGY

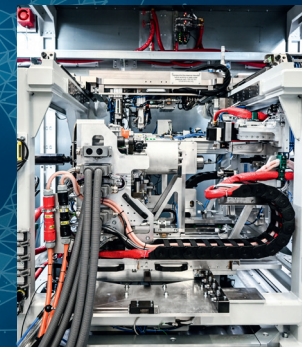
ASSEMBLY & TESTING AS INTEGRATED PROCESS



Automation solutions for complex components and systems are our key disciplines. For decades, the automotive and supplier industry, but also medical, power and electrical engineering have relied on highly efficient and precise automation and assembly solutions. With comprehensive expertise in technology, systems, and processes, we implement semi- and fully automated solutions – including integrated testing technology.

## TEST RIGS

PRODUCT QUALITY PUT TO THE TEST



Speeds of over 20,000 rpm are achieved in the performance-enhanced e-mobility motors. Based on continuous further development, our test benches offer precise measurements, meaningful tests and maximum reproducibility. Besides test rigs for gears, gearboxes and battery systems we also supply EoL test rigs and customized solutions.

## MACHINING

STANDARDIZED SPECIAL MACHINES FOR MAXIMUM PRODUCTIVITY



Our rotary transfer machining systems enable the large-scale machining of a wide variety of components in a wide selection of materials. Our rotary transfer machines combine short cycle times, maximum precision and very high productivity per unit area. Based on field-proven and continuously optimized basic components from our series ProMoCut® we develop the customized application.

## AXLE TECHNOLOGY

WORLD MARKET LEADER FOR AXLE ADJUSTMENT SYSTEMS



As a specialist for innovative axle assembly lines and track/fall adjustment systems, we develop efficient solutions for the assembly of traction unit and trailer components. We supply future-oriented solutions for maximum vehicle performance in the automotive, truck and zero-emission technology sectors.

## BODY-IN-WHITE

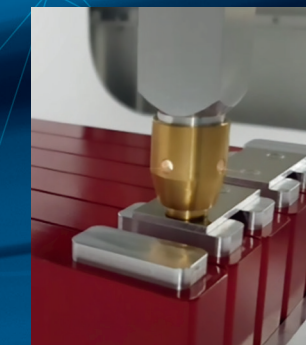
INNOVATIVE PROJECT HANDLING FOR TOMORROW'S SUCCESSFUL MODELS



The body-in-white sector is facing many challenges, such as high investment, lightweight construction requirements and model diversity. As a turnkey partner, we offer you the ready-to-use body-in-white production line precisely tailored to your products, cycles and plans for the future. We integrate new models into existing systems and implement relocations, including logistics, reliably from a single source.

## BONDING TECHNOLOGY

PARTNER FOR THE CONNECTION TECHNOLOGY OF TOMORROW



We develop cost-effective solutions for contacting electronic components – from partially to fully automated bonding processes for applications in the semiconductor, e-mobility, photovoltaic and automotive industries. For the growing requirements in power electronics, we offer laser bonding, a future-oriented technology for the reliable contacting of thick aluminum and copper ribbons on DCB substrates and copper terminals.

## BATTERY STORAGE & E-MOBILITÄT

SCALABLE ASSEMBLY LINES FOR A FUTURE MARKET UNDER HIGH VOLTAGE



Our production lines are ideally suited for the requirements of battery storage systems. They enable an extremely short time-to-market and maximum flexibility for changing trends and demand volumes. Production capacities can be scaled quickly and in line with requirements.