



We are specialists for  
innovative automation solutions



i n n o v a t i v e   a u t o m a t i o n



Assembly  
automation



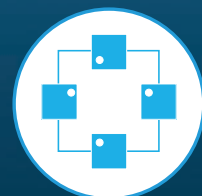
Testing  
automation



Injection molding  
automation

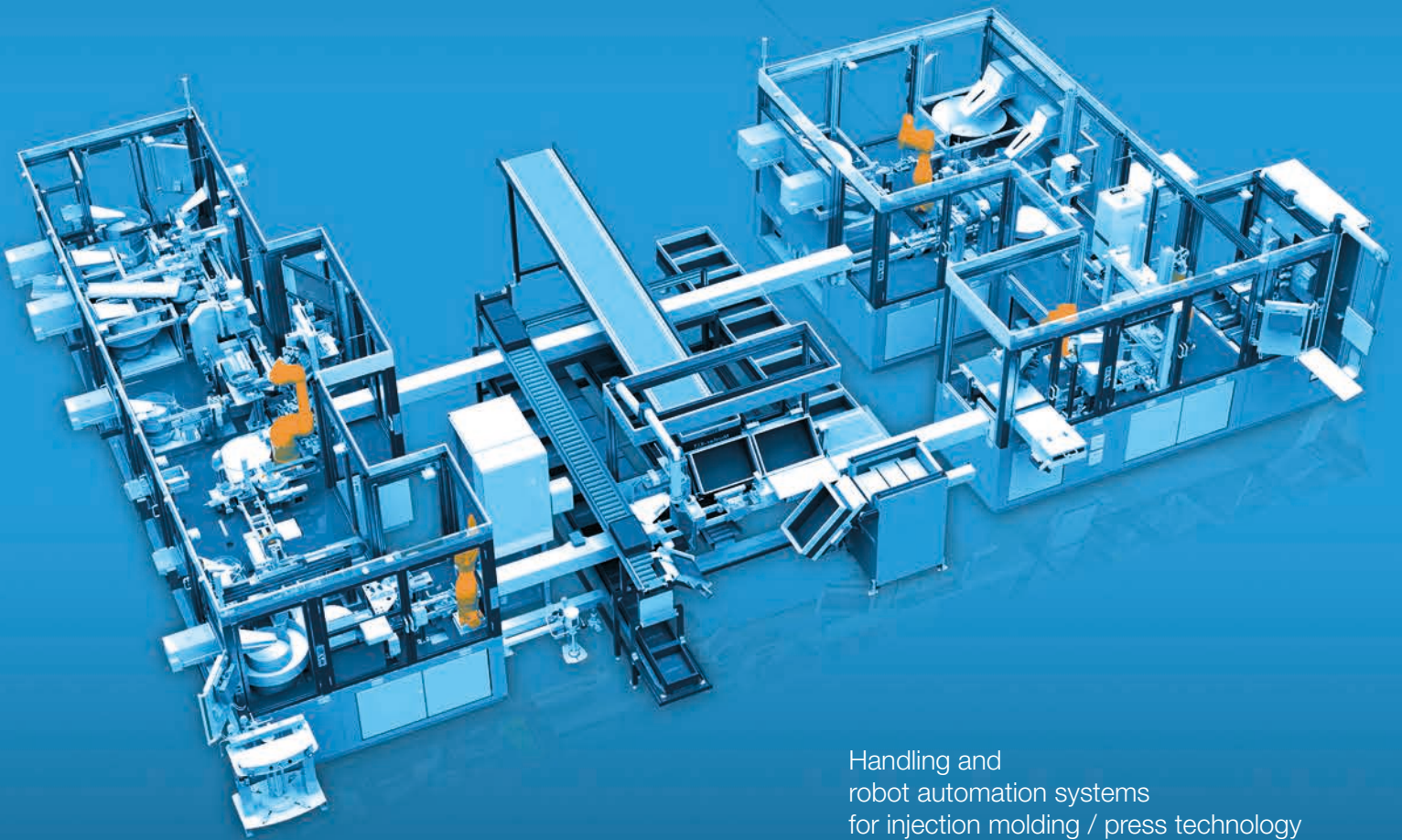


Robot  
automation



Special  
applications

# Automation Hybrid Components in Perfection



Handling and  
robot automation systems  
for injection molding / press technology

Robot handling systems for  
loading and unloading of  
production lines

Systems for process data  
recording and traceability





TOGETHER we  
create special

30

Years experience

3000 automation systems installed worldwide

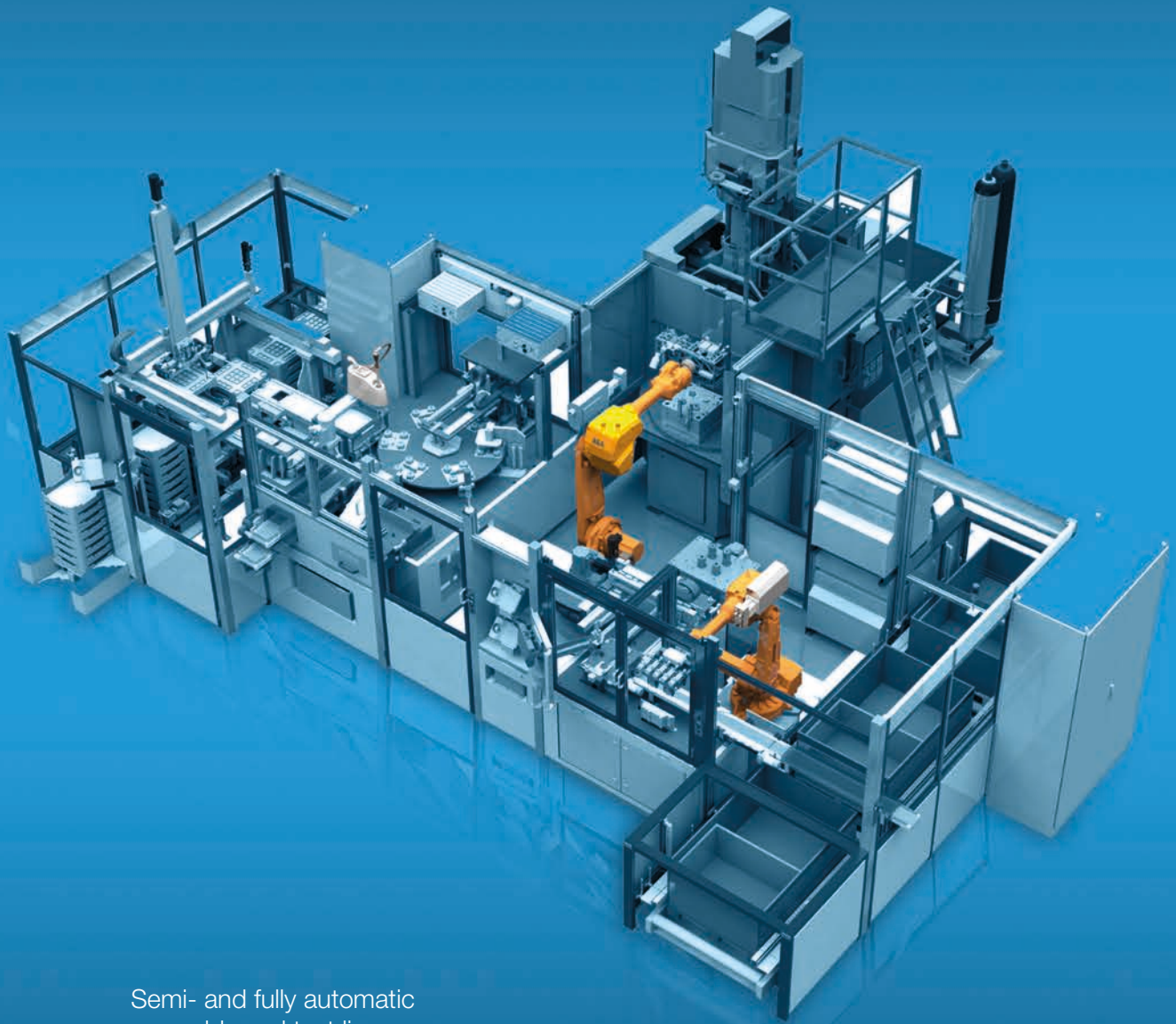
30 years of know-how in plant development

Turnkey complete solutions from one source

Worldwide service 24/7



# Innovation is our Drive

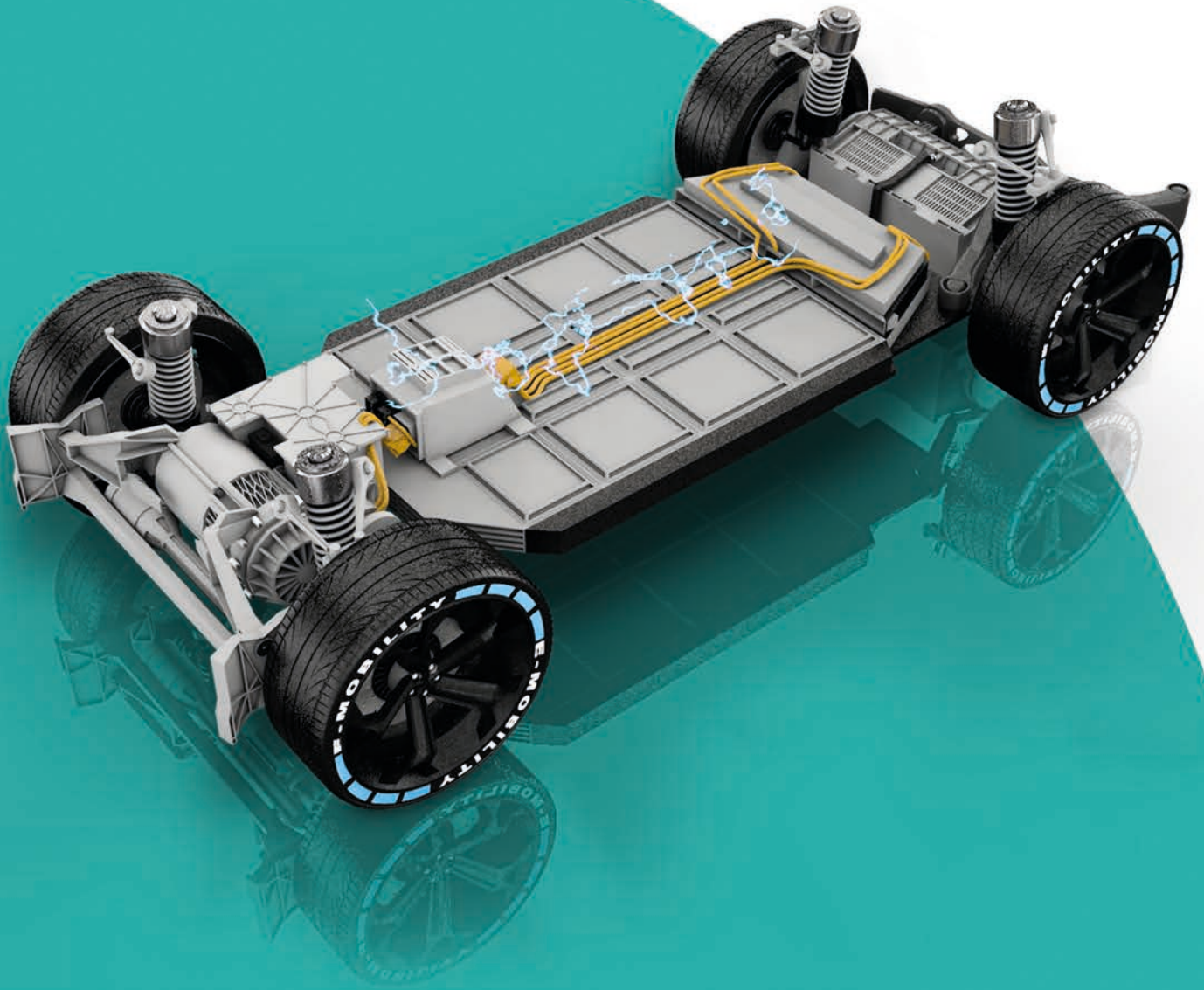


Semi- and fully automatic  
assembly and test lines

Semi-automated complex  
manual workstations

Camera-based, electrical and  
electronic testing techniques





# High Quality Production

In the field of electronics & e-mobility, we are leading with our automation solutions for the production of a wide variety of components and have adapted our developments and technologies to the requirements of the "mobility of tomorrow".



High-Tech in Perfection!

100

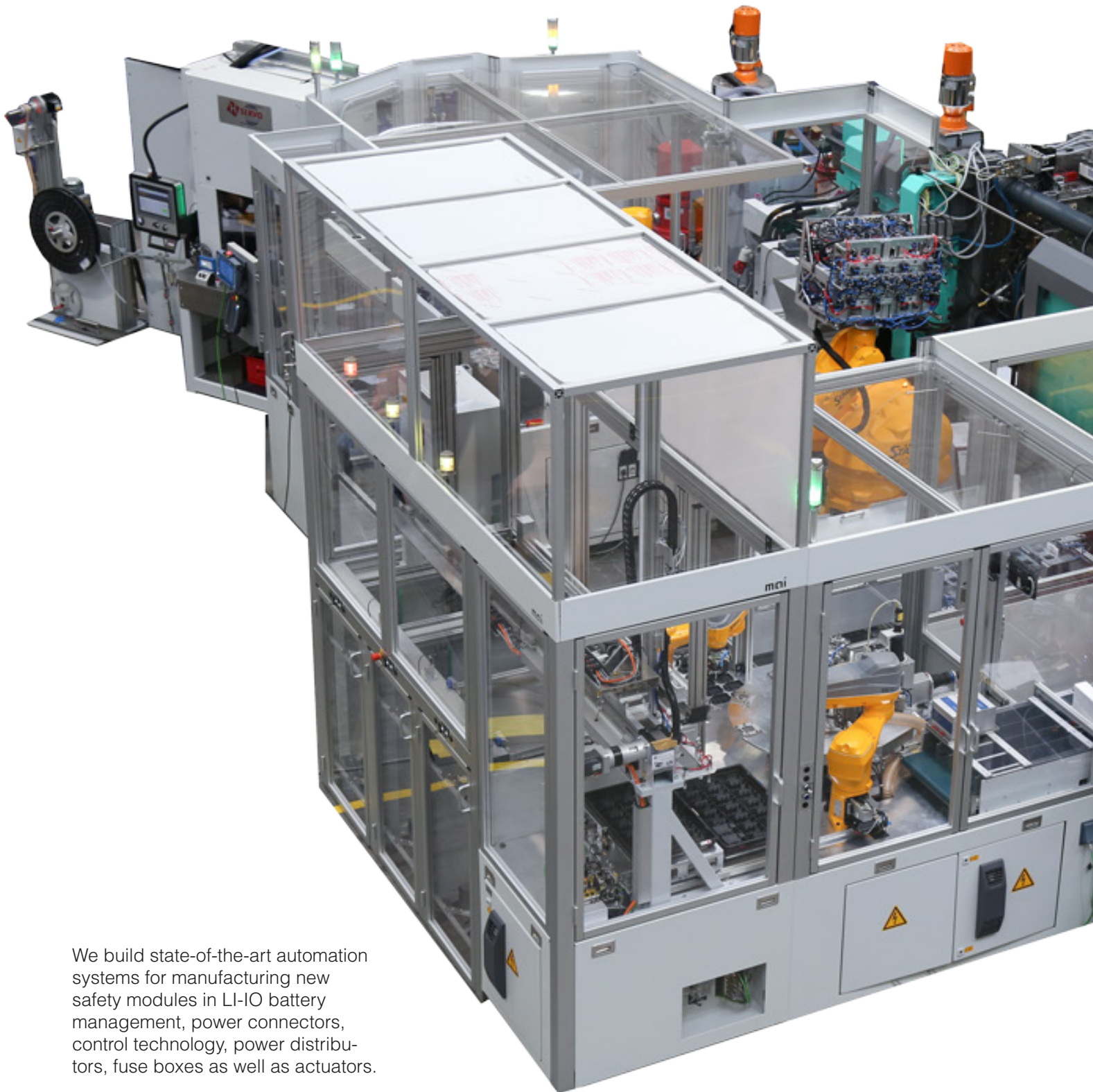
Processes and more we can integrate

**M.A.i** designs and implements production lines for sophisticated products in the field of e-mobility as well as various electrical/electronic assemblies & actuators for the automobiles of the future.

We understand all processes that are necessary for the production of these assemblies and map them in our automation systems.



# Automation for Future Technologies



We build state-of-the-art automation systems for manufacturing new safety modules in LI-IO battery management, power connectors, control technology, power distributors, fuse boxes as well as actuators.



# 2120

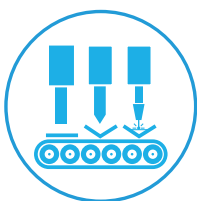
Automation solutions in the automotive industry

The  
mobility  
of the  
future



## Innovative Automation Solutions

Because of our highly automated series production in e-mobility and actuator technology, we are a competent partner for the entire planning as well as realization of your complete assembly and test line and can deliver it to your production sites worldwide.



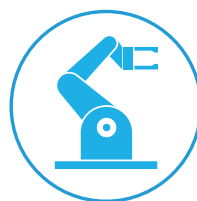
Assembly  
automation



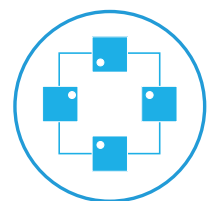
Testing  
automation



Injection molding  
automation



Robot  
automation



Special  
applications



# Precision Down to the Smallest Detail!

Thanks to our many years of experience, we are one of the market leaders in the automotive and electrical experience, we are among the market leaders.  
Current-carrying and signalling components are a focal point of our portfolio.



# 24/7

Service worldwide

Our automation solutions are specially designed for assemblies in the engine compartment, electrical engineering, interior & exterior, vehicle interior and vehicle body.

For us, automation means above all an increase in your productivity and efficiency. Whether complete or partial solution, we fulfil all requirements and wishes of our customers to optimise their processes. And we always focus on technical cleanliness when designing the system.



We map the entire process chain, from the feeding of the raw parts, the most diverse further processing steps, cleaning, all testing techniques, marking to the final packaging of the components.

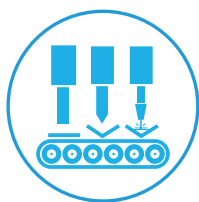
# Innovative Assembly and Test lines of Actuator Technology

The market is changing, primarily due to rising fuel prices and a new environmental awareness among consumers. The "new" mobility should be economical, environmentally friendly and still provide maximum performance.

For all these requirements, we offer state-of-the-art automation systems for the production of e-drives and high-performance actuators.

Systems for the production of miniature solenoid assemblies, miniature switching valves, coils, switching solenoids, insert components, electrical adjustments, pressure transducers or control systems are just a few examples of implemented automation systems.

All work steps from automation development to construction, internal commissioning, worldwide delivery and commissioning at the customer's site are carried out by M.A.i in close coordination with our customers.



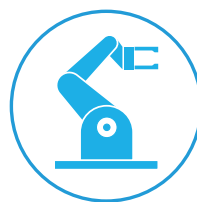
Assembly  
automation



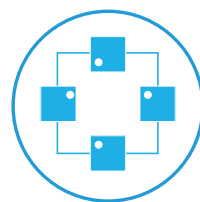
Testing  
automation



Injection molding  
automation



Robot  
automation



Special  
applications



A photograph of a modern industrial manufacturing environment. In the foreground and middle ground, there are several large, white, modular automated workstations with glass safety enclosures. Some have their doors open, revealing internal mechanical components. A worker wearing a blue shirt and a face mask is standing on the right, interacting with a workstation. The background shows more complex machinery, including large circular components and robotic arms. The overall scene is brightly lit and organized.

# Proven Safety & Functionality in Actuators

We integrate all of this and much more into your systems with our rotating carrier systems, assembly rotary tables, separation and press-in stations for printed circuit boards, various assembly and riveting processes, motor assembly, non-contact greasing, various camera tests, automatic screwdriving stations, laser welding and DMC laser marking.

In our "End-of-Line" test stations we test your products final fully automatic, electrically, mechanically as well as optically. These standardized tests enable us to guarantee absolute safety and functionality.

On request, we can even integrate noise measurements and other dynamic measurement methods. All process data will be collected with the help of modern, standardized SCADA software programs and IPC solutions. or transmitted directly to the customer's higher-level software platforms. software platforms.

# 4 Mio

produced components annually

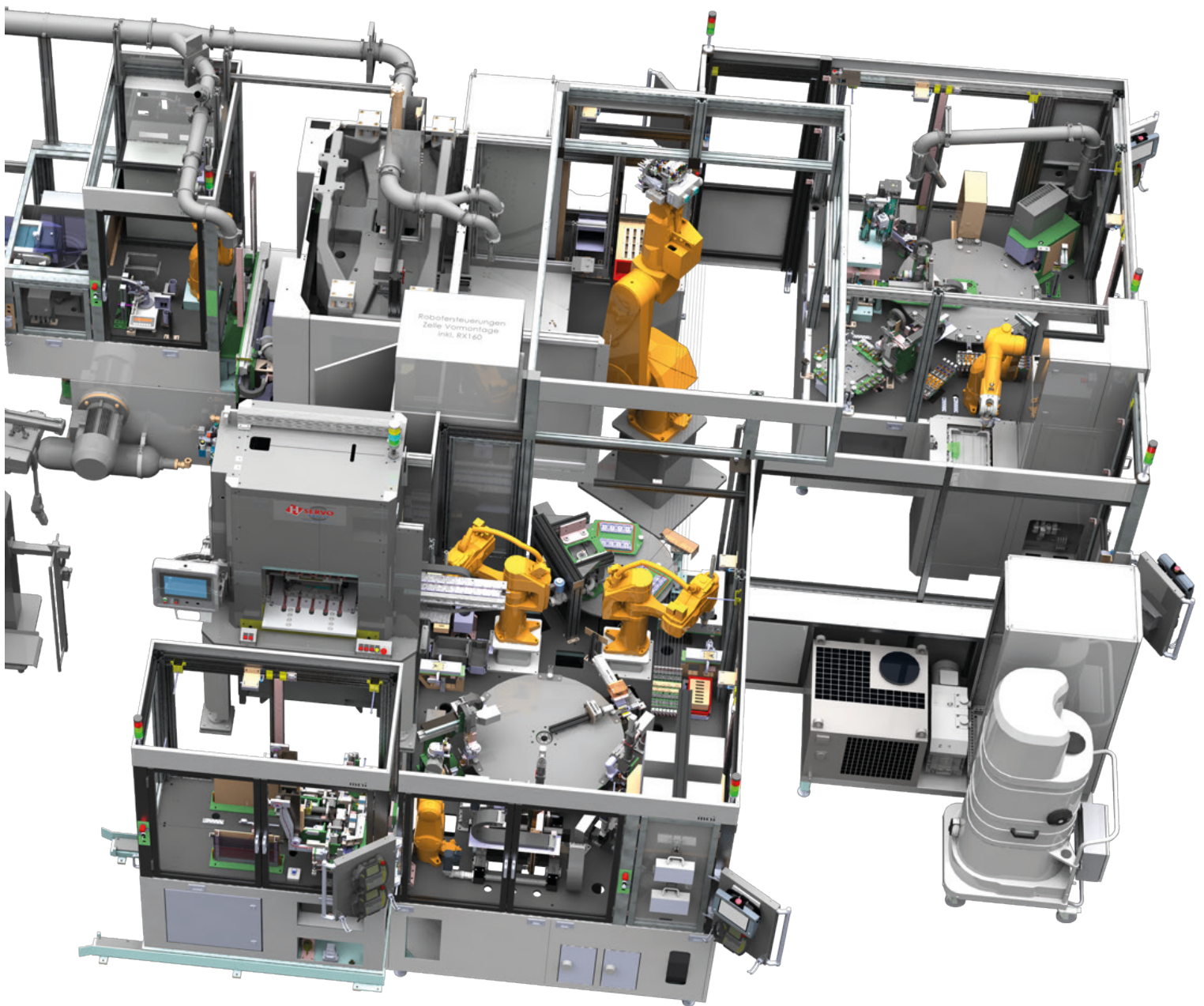


## Complex Automation Sensory Assemblies

(Injection Molding & Press Technology)

For many years, we have been experts in the field of plastics processing as well as all related preparation and post-treatment steps.

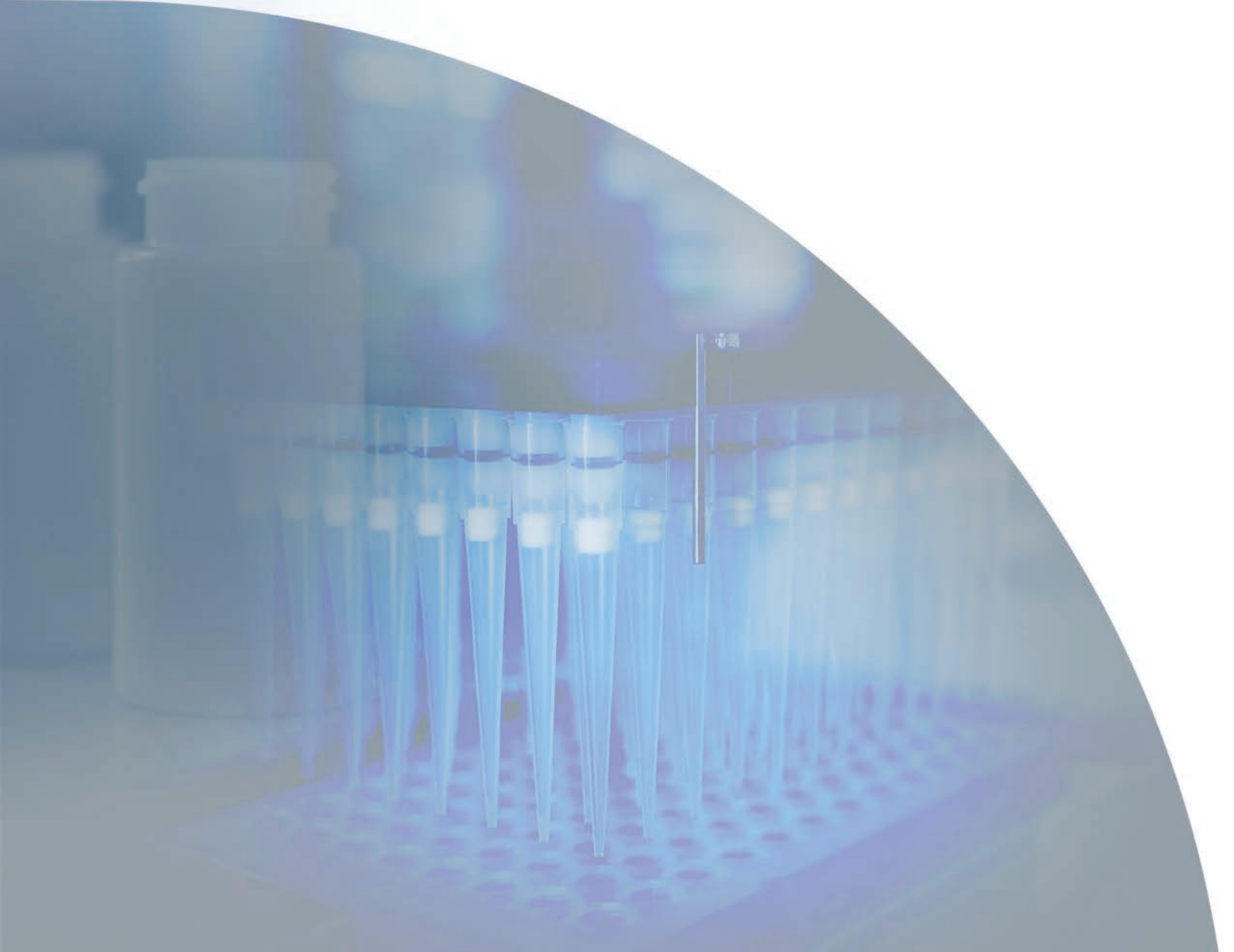




Feeding, punching, separation, fully automated insertion and removal of finished parts into and out of your injection molding system or press, in all these processes we have great know-how and work with the highest precision.

This also includes all variants of electrical, tactile and visual inspections, including the subsequent machine packaging of your finished parts.

Contact us at any time with your projects, we will find your individual and optimal solution!



# High-Tech and Perfection

In the medical & pharmaceutical technology, especially in the conception as well as realization of individual automation systems for the clean room, we are leaders and can draw on many years of experience.

Due to our know-how as well as a broad network in the field of the medical / pharmaceutical industry we are able to offer individual turnkey solutions.



# Systems for the Medical Technology!



# Highest Cleanliness Requirements

Automation means above all an increase in your productivity and efficiency. Whether complete or partial solution, we fulfill all requirements and wishes of our customers.

Our systems for your cleanroom application are designed and implemented depending on the specific requirements of the cleanroom class to be achieved. In doing so, all components in our systems permanently fulfill the requirements for cleanliness in the cleanroom.

We develop automation systems that combine functionality & quality, but also aesthetics & flexibility.

Perfectionism for highest reliability  
Quality always depends to a large extent on the products and processes used in their manufacture. Also a reason why we use only the best materials and processes for the construction of our plants.

In our plants we realize movements at high speed in the transport of goods carriers, in the transport of parts, in robotics as well as in linear technology.

We can also implement a wide variety of processes in medical technology, such as complex 2D / 3D camera inspections, fluoroscopy inspections, plasmatization, printing and fully automated packaging - all of which are realized in-house by our experienced staff and with great attention to detail.

We create precise assembly and test lines for assemblies in medical technology that meet all quality standards and clean room conditions according to DIN or GMP.





# 380

Specialists and professionals

We are specialists for highly automated series production in medical technology.



# High level of Know-How in Medical Technology



## Assembly lines in stainless steel

The high special requirements in medical technology are important to maintain the required quality standards. We know these requirements and develop solutions that offer the highest possible safety.

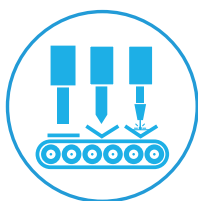
M.A.i creates assembly and testing automation, on request in stainless steel, for use in clean rooms with all the integrated processes necessary for the manufacturing and packaging of the products.

In our "End-of-Line" test stations we test all products according to your specifications final fully automatic, electrically, mechanically as well as optically.

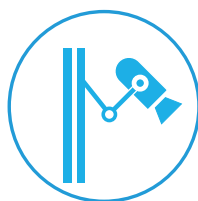
Our systems stand for precision as well as the highest quality standards and fulfill your clean room specifications according to DIN or GMP.



# Highest Cleanliness



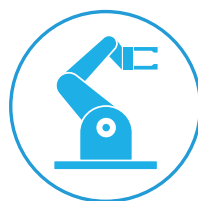
Assembly automation



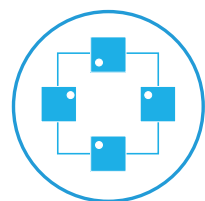
Testing automation



Injection molding automation



Robot automation



Special applications



# Engineering, Installation, Commissioning and Service



At our location in Nanjing with 5000sqm production area and currently 75 employees, we build complex automation systems, injection molding automation and assembly lines as well as testing systems for the metal and plastics industry for the Asian region.

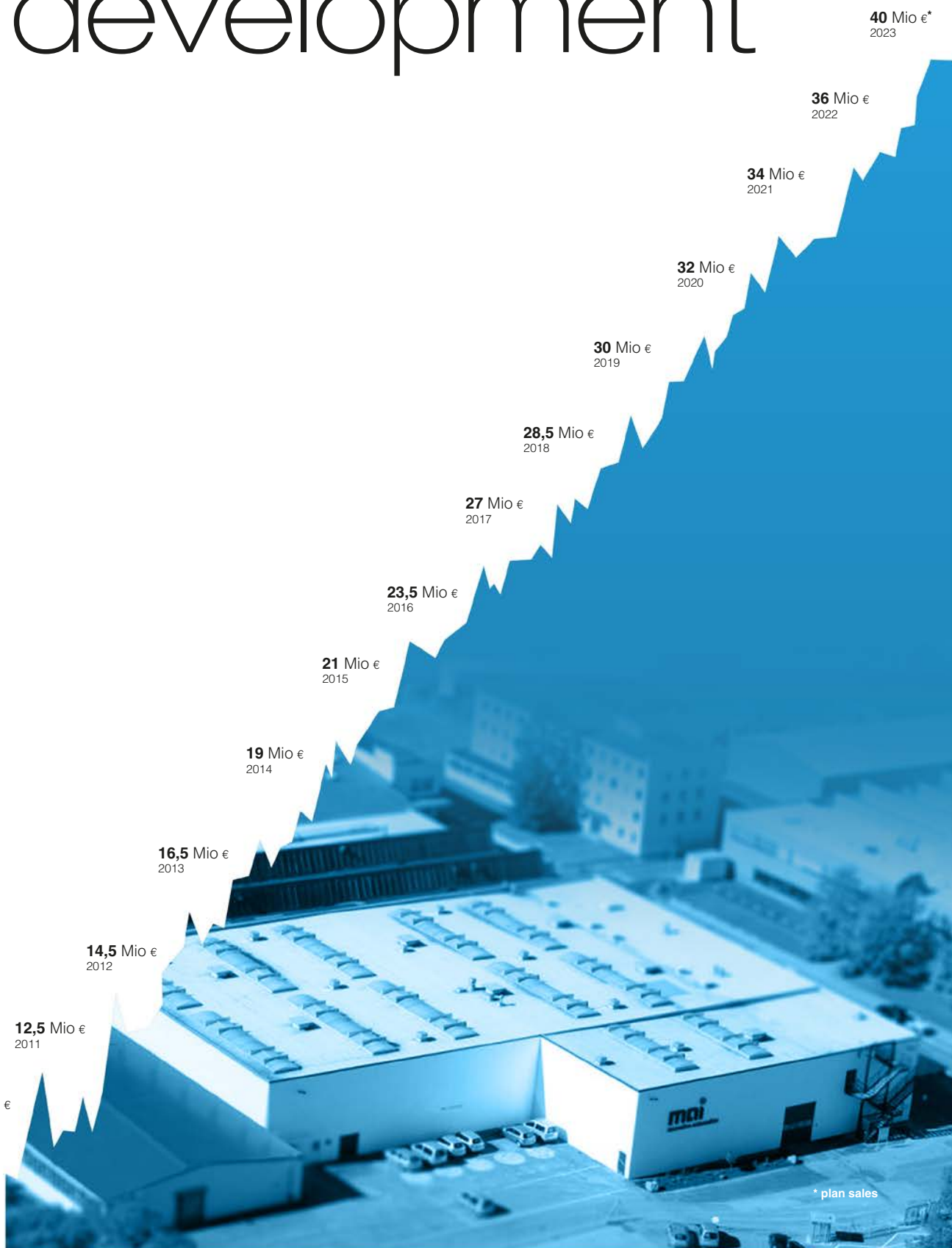
In addition to our own plant production and development in the field of intelligent manufacturing systems, we have also installed a service center including a spare parts warehouse at our site in Nanjing.







# Sales development





# INNOVATIVE SOLUTIONS FROM A SINGLE SOURCE!



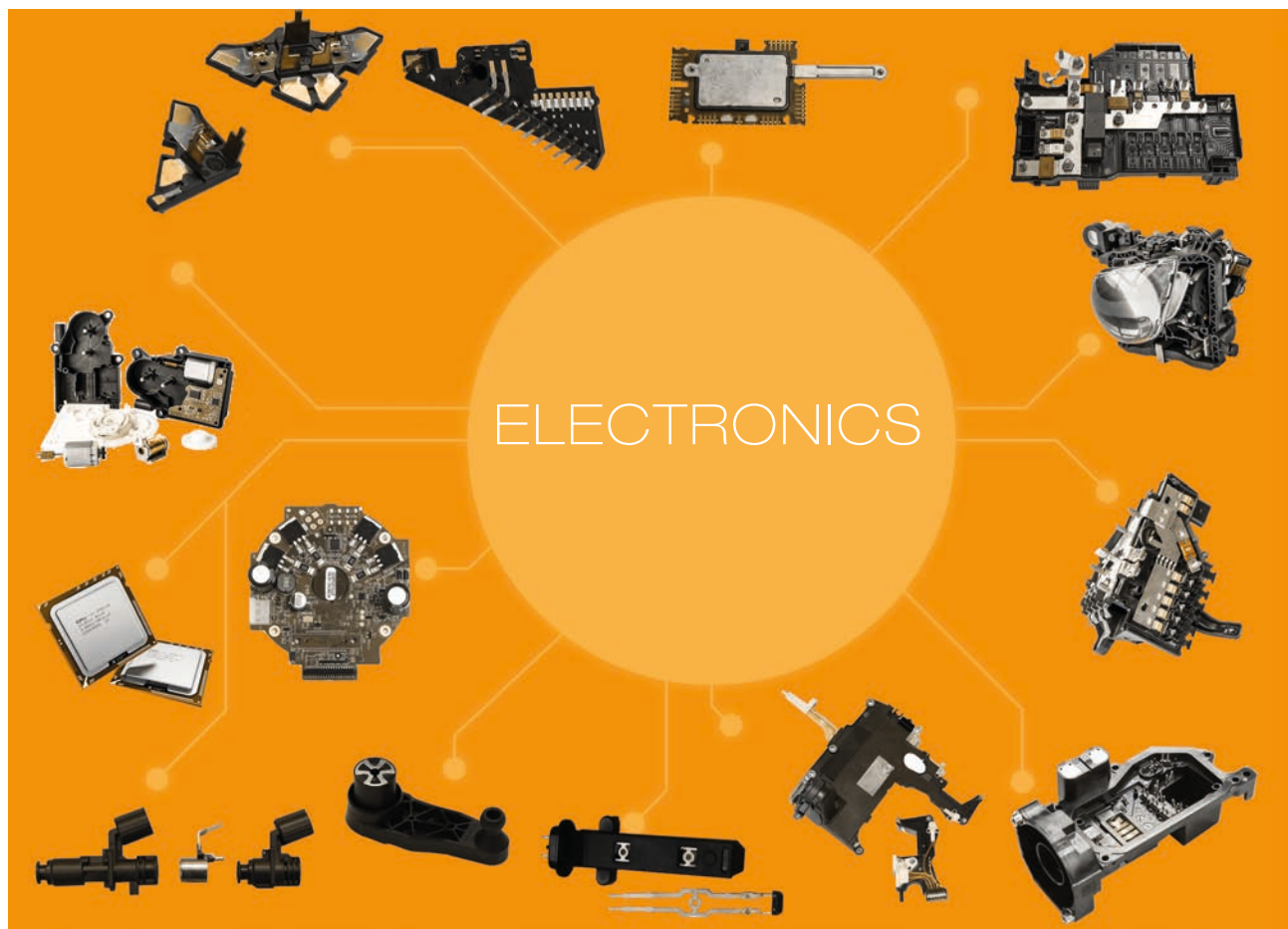
From the idea to the complex industrial automation system - M.A.i has been developing and produces for 30 years individual automation solutions.



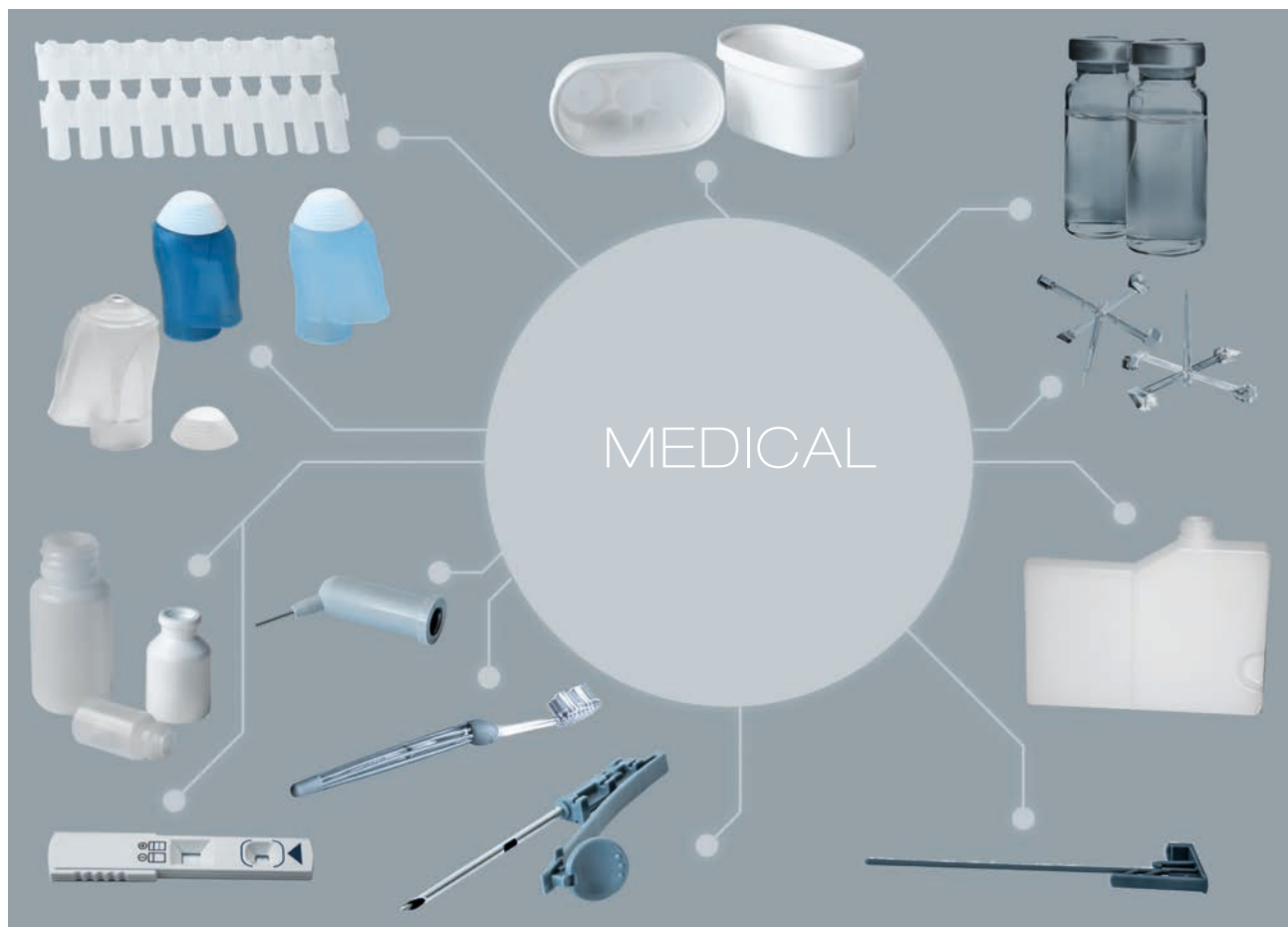
AUTOMOTIVE







i n n o v a t i v e   a u t o m a t i o n





# 6 locations worldwide

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kontakt@m-a-i.de  
www.m-a-i.de

**M.A.i - Automation Technology  
(Nanjing) Co. Ltd.**

No.1888 Jiyin Road,  
Jiangning Development Zone  
211106 Nanjing / P.R. China

**Service locations:**

M.A.i – Automation Technology (Ningbo) Co. Ltd.  
Service & Sales  
Ningbo High Technology Zone  
315040 Ningbo City / P.R. China  
Phone: +86 574 8696 8136  
service@mai-automation.cn

M.A.i – Automation Technology  
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