

WASSERMANN TECHNOLOGIE GmbH

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WASSERMANN
TECHNOLOGIE



GIVING
WINGS TO
YOUR IDEAS

COMPANY BROCHURE



EXPLORE WASSERMANN TECHNOLOGIE.

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WE WANT MORE.

We at WASSERMANN TECHNOLOGIE want to achieve more – to achieve more for you with our expertise in system manufacturing and automation!

System manufacturing refers to demanding components and modules, which we produce for you as a cooperation partner. Specialising in selected industries with high quality requirements, we accompany you from the development work through to the series maturity of the final system. We have become well known and have constantly grown with this task. The next steps will involve opening up further product areas through synergy effects. For this reason, we have also had ourselves certified for the aerospace industry, among other things, in order to contribute our expertise in this area and facilitate the desired growth targets.

For us automation means the development and manufacturing of customised and high quality systems for tool and workpiece

handling in, and on, tooling machines. Having established ourselves in the field of system manufacturing, we now supply a large number of well-known German and international manufacturers with our products. Our latest development, the tool terminal, ensures an almost unlimited number of tools can be stored and managed within the smallest spaces directly at the tooling machine. This is our contribution towards smart and lean production.

All our actions are accompanied by three basic principles: innovation, sustainability and partnership. We do not just view ourselves as a supplier, we also want to be your partner.

Allow us to give wings to your ideas. Put us to the test! Demand more!


Sebastian Wassermann
Geschäftsführer


Eberhardt Hahl
Geschäftsführer

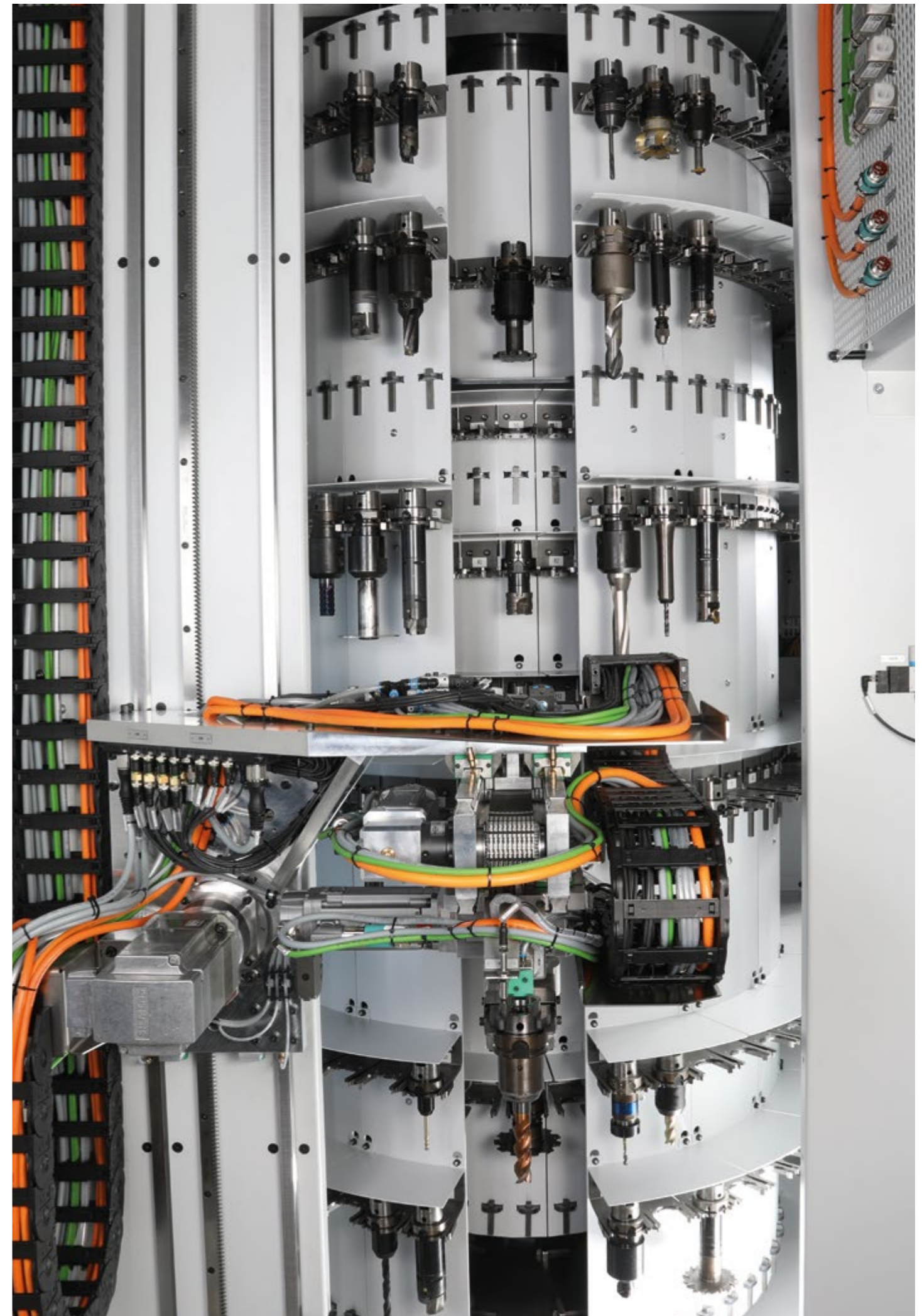
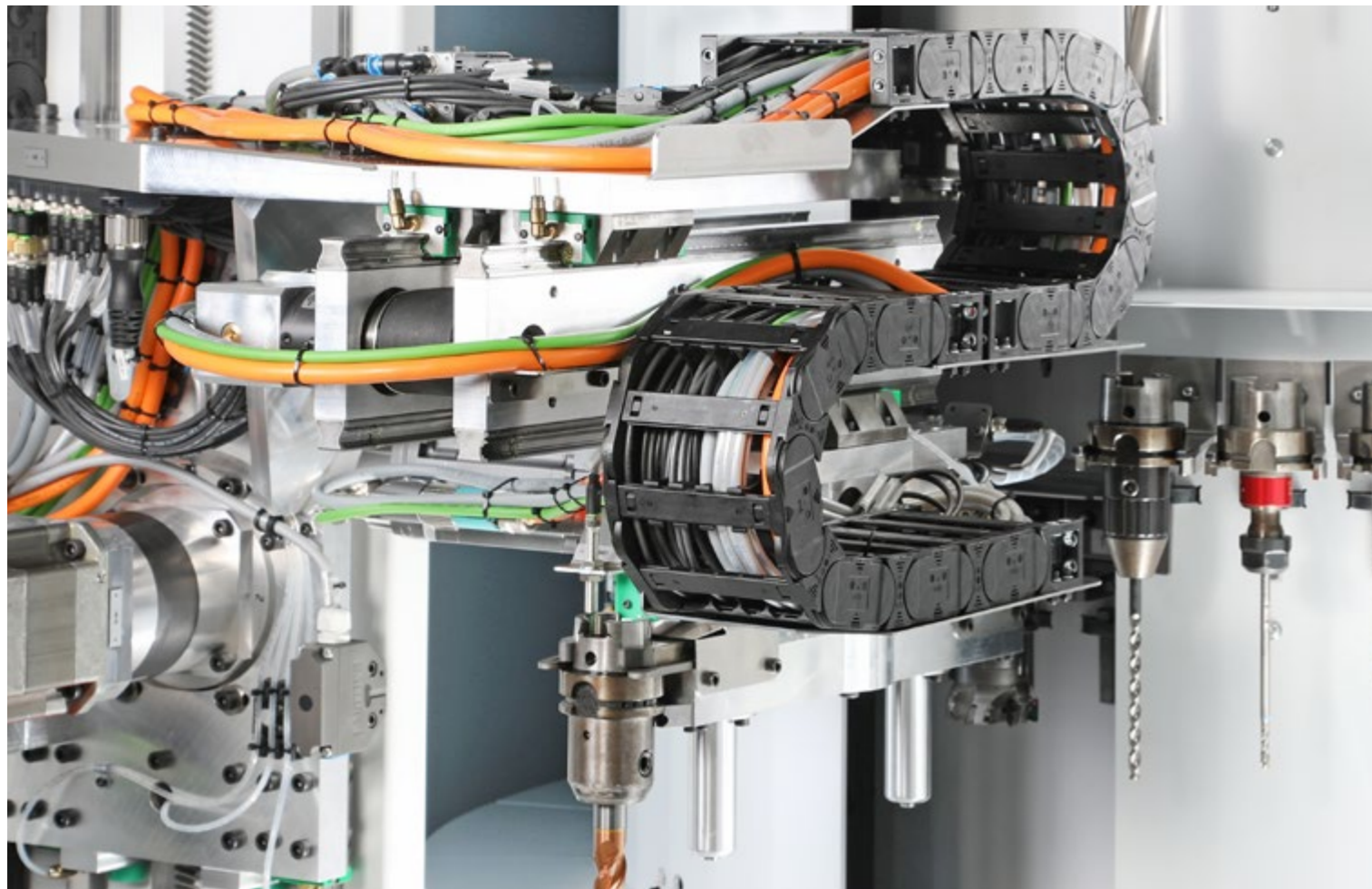
AUTOMATION FOR TOOLING MACHINES

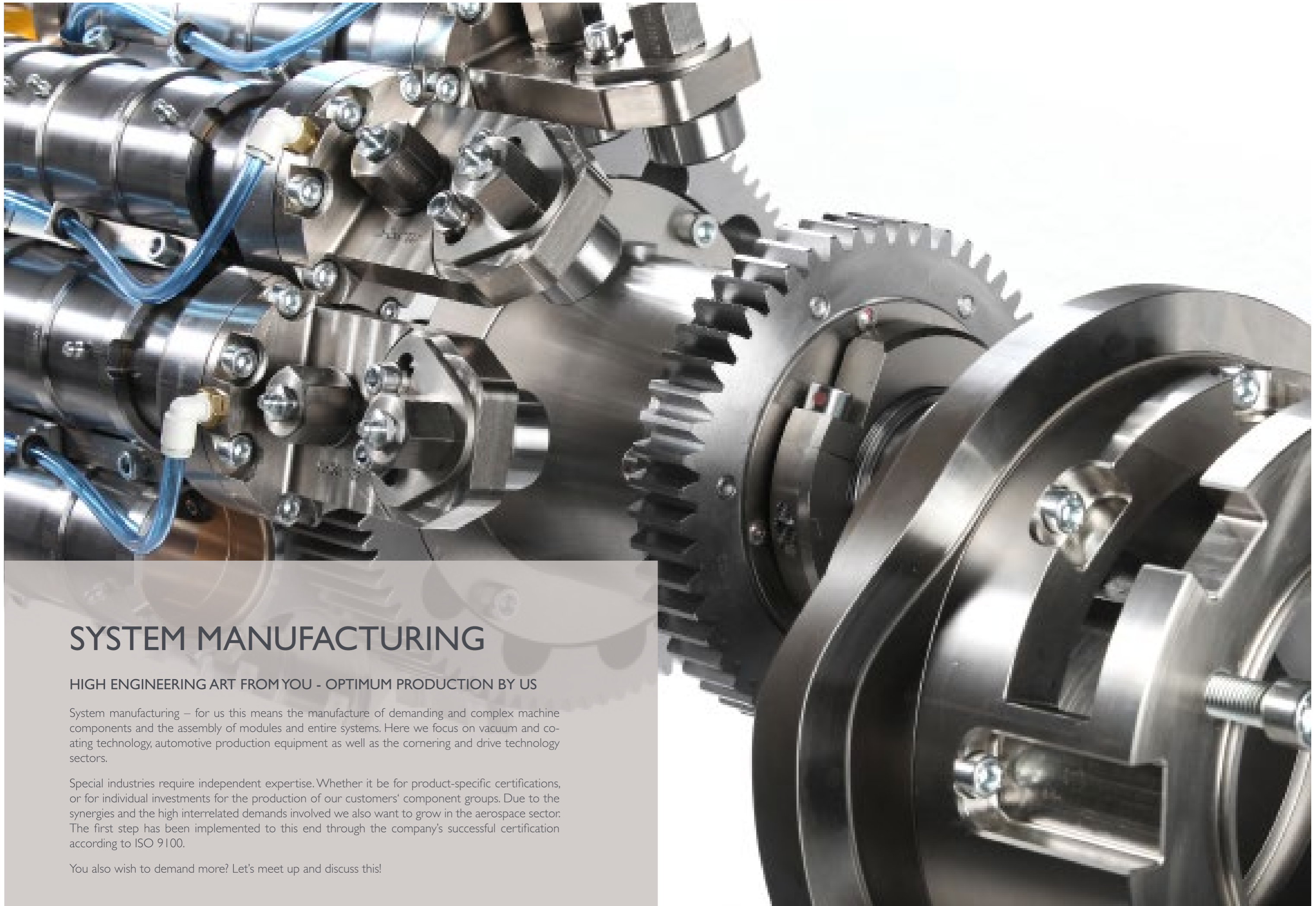
CUSTOMISED CONCEPTS AS OUR TRADEMARK

With the growth of demanding machining tasks and manufacturing processes the number of tools required for the production work generally also increases too. Many tooling machine manufacturers rely on the WASSERMANN TECHNOLOGIE'S expertise, starting with the development work and extending to the manufacturing operations.

In addition to basic components our trademark services also include customised automation solutions for tool and workpiece handling. We rapidly and flexibly respond to customer wishes and configure tailor-made solutions thanks to the flexible module system we employ. A lot of core components, such as the drive system or the gripper system, are produced exclusively at the company's own factory. We guarantee quality, availability and rapid response times.

Now some 800 systems leave our factory per year. Also following this, a variety of after-sales services are available to our customers once a contract has been concluded, whether this be in terms of spare part availability within 24 hours or worldwide maintenance and repair services.





SYSTEM MANUFACTURING

HIGH ENGINEERING ART FROM YOU - OPTIMUM PRODUCTION BY US

System manufacturing – for us this means the manufacture of demanding and complex machine components and the assembly of modules and entire systems. Here we focus on vacuum and coating technology, automotive production equipment as well as the cornering and drive technology sectors.

Special industries require independent expertise. Whether it be for product-specific certifications, or for individual investments for the production of our customers' component groups. Due to the synergies and the high interrelated demands involved we also want to grow in the aerospace sector. The first step has been implemented to this end through the company's successful certification according to ISO 9100.

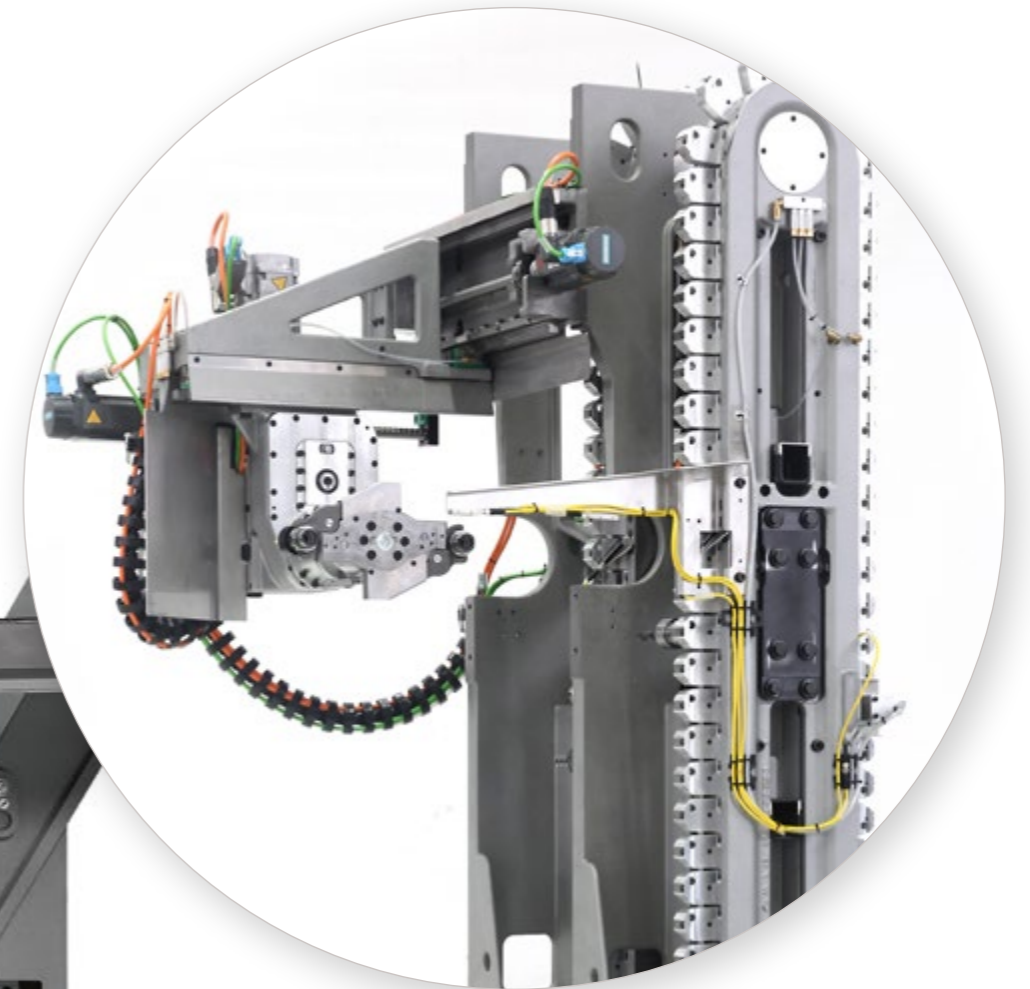
You also wish to demand more? Let's meet up and discuss this!

OUR CUSTOMERS CONSTRUCT STATE-OF-THE-ART TOOLING MACHINES...

...and to this end we provide a large number of customized solutions for the handling of tools and workpieces. Our latest product is our tool terminal which represents the most efficient form of tool storage. This system has the ability to store almost unlimited tools, connected directly to your tooling machine. All our products are used on different kind of tooling machines, for example:

- /// Milling Centers
- /// Turning-Milling Centers
- /// Grinding Centers
- /// Linked tooling Machines
- /// Gear Cutting Machines

By the way: If you're interested in our tool terminal, come and see the systems working on our own tooling machines!



INDEX G220, equipped with a tool changing system from WASSERMANN TECHNOLOGY for 70 or 140 tools, change overtime 0,7 sec. (chip-to-chip time of 6 sec.)

OUR CUSTOMERS PRODUCE TOUCH SCREENS...

... and we supply certified modules and systems to this end for the production of displays. Leading manufacturers appreciate the cooperation with us as a value-added partner. Whether they are components and systems for the production of display coating, solar cells, or thermal insulation glass: we always supervise the process chain. Here our experience in the production and assembly processes extends to the most diverse products such as

- /// Roll transport systems for glass and displays
- /// Gears for locks
- /// Cathode drives
- /// Drive modules
- /// Carrier systems
- /// Magnetic guiding systems





OUR CUSTOMERS KEEP CARS IN GOOD SHAPE...

... and we supply certified modules and systems for the production and linking of vehicle bodies. We would like to tell you more about this here because it is an exciting and challenging task. However, secrecy is also a top priority for us.

OUR CUSTOMERS PRODUCE HIGH-END MACHINES FOR PRINTING, PACKAGING, HYGIENE PRODUCTS...

...and we supply the components for the mechanical drive. We don't view ourselves as a contract manufacturer; but as a solution provider. In order to do justice to this reputation, our portfolio includes the calculation, design and manufacture of cams, cam mechanisms as well as complete modules and systems. These products can be found in a large number of demanding machines, whether it be in the packaging, printing, hygiene product or medical technology industries.



WE ARE NOW ALSO CERTIFIED FOR THE AEROSPACE INDUSTRY ...

... and have thus made the first step.
Now we want to win you over as our customer.

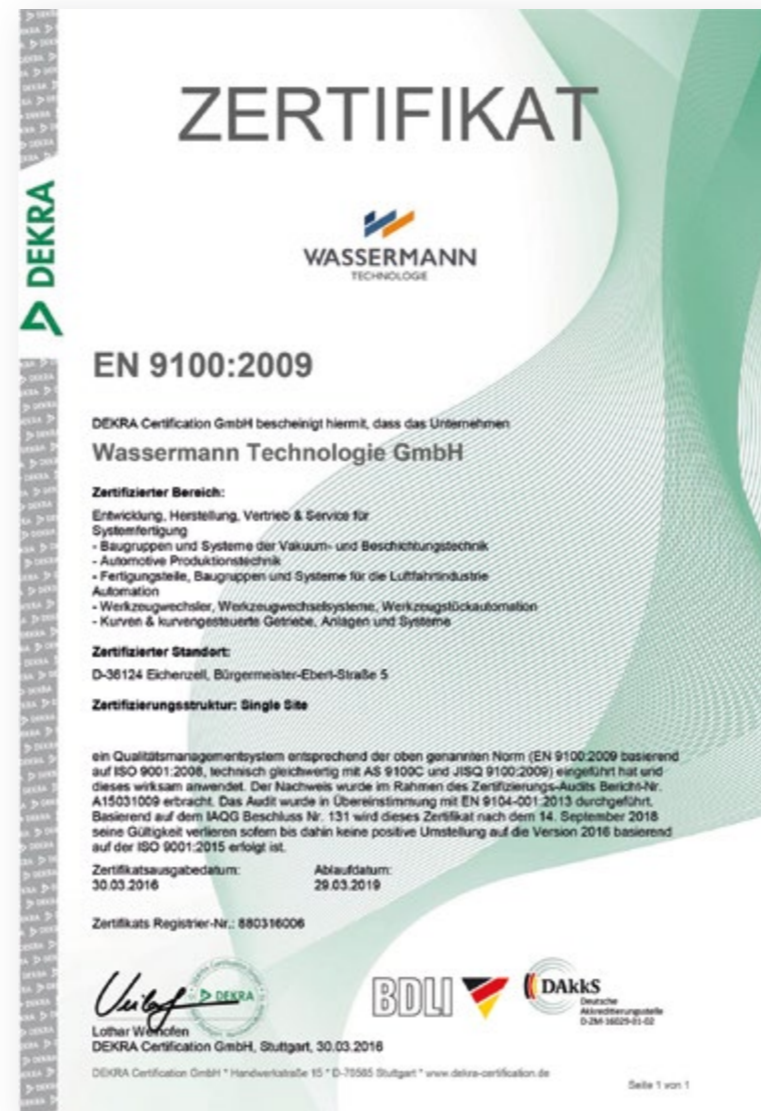


IF THERE'S A WAY TO DO IT BETTER: FIND IT!

Our goal is to improve our products and processes step by step. This is because quality can be measured by success. And no compromises are permitted where quality is concerned.

Due to this, and out of necessity, we have already been certified according to ISO 9001 since 1994. Certification according to ISO 9100 for the aerospace industry and according to ISO 14001 enhances our quality standards. In addition regular company and product-specific quality checks such as PQP (Product Quality Program) or SSQA (Standardized Supplier Quality Assessment) for modules and systems are performed that are used for the production of displays in vacuum and coating systems.

In order to secure these levels of quality and the success guaranteed in this way in the long term, we support and place demands on our staff and regularly invest in our operating materials alongside the optimisation of the internal processes. This helps us to secure our market positions and continuously improve our products and processes.



MOTIVATION IS VITAL FOR WORKING PERFORMANCE TO THE SAME EXTENT THAT A TURBOCHARGER IS VITAL FOR AN ENGINE.

The company's 200 employees are what makes WASSERMANN TECHNOLOGIE so strong. They know the ins and outs of their industry, they work precisely and are highly motivated. Satisfied customers are the focal point of their work. And the goal of their work is that we get recommended to others by our costumers.

The company pays great attention to its employees because the staff are so important for the success and continued existence of WASSERMANN TECHNOLOGIE. Mutual esteem, cooperation on an equal footing in addition to career and further training options form the established practice at our company. We combine tradition and innovation, performance orientation and social responsibility.

WE ATTACH GREAT IMPORTANCE TO THE PROMOTION OF YOUNG TALENT

We are committed towards the promotion of young talent whereby our trainees gain insights into all the different areas and become masters in their respective fields. A young, committed team of training officers is there to transform the apprenticeship into a journey, filled with adventures such as the restoration of a Harley Davidson that was built in 1955.

For all those trainees who want to learn more we also offer lots of further training opportunities in the form of a Dual Study Programme:

- /// Bachelor of Engineering: Specialising in sales
- /// Bachelor & Master of Engineering: Specialising in mechanical engineering
- /// Master of Science: Specialising in technical processes



ENGINEERING & DESIGN

WASSERMANN TECHNOLOGIE'S development and design department pursues one goal: to present you with the simplest tailor-made solution. As simple as it possibly sounds – it is still very much a challenge. While we are still mainly active in the field of automation at the moment, we want to expand our competencies step by step in order to also encompass other industries.

15 engineers and mechanical engineer work using the PRO/E software and offer:

- /// Analysis and determination of requirements
- /// Feasibility tests and alternative concepts
- /// Assumption of the entire design services
- /// Manufacturing optimisation that accompanies the design work
- /// Calculation and dimensioning
- /// Simulation
- /// Optimisation

MANUFACTURING

We rely on state-of-the-art and extensive machinery to guarantee our customers the necessary quality standards and to respond quickly and flexibly to their requirements. Thus, we are able to carry out the various machining process steps entirely by ourselves for the following dimensions:

- Milling technology:** 15 CNC milling centres up to max. 5,000 x 3000 x 1,000 mm in size
- Turning technology:** 10 CNC turning & turning / milling centres up to 630 x 2050 mm in size
- Grinding technology:** 6 CNC centres for surface, cylindrical and curve grinding
- Measuring technology:** Mitutoyo coordinate measuring technology up to 900 x 1,600 x 800 mm in size
Mitutoyo Profile Projector & testing of surface roughness
FaroArm measuring technology up to a measuring volume of 3.7 metres
Vacuum testing equipment
- Installation surface:** 3.000 m² / component and system weight up to max. 10 tonnes

QUALITY & AFTER SALES SERVICES

We want our products to not only meet your expectations, but also, ideally, to exceed them. Strict quality controls come as a matter of course for us. Each step is comprehensibly verified and documented in accordance with our quality management systems and individual customer requirements

- /// Analyses of the quality
- /// Product-specific certifications and quality inspections such as the Product Quality Plan (PQP) for the display technology
- /// Test runs and commissioning
- /// After Sales Services such as the international service department for servicing and repair work

THE GREATER PART OF PROGRESS IS THE DESIRE TO PROGRESS.

1969: Founding of the company as HPI GmbH by the Wassermann and Hargesheimer families

1976: Construction of the first factory building and introduction of CNC technology

From 1979 onwards: Constant expansion of the production capacities and production floor space

1994: Certification according to ISO 9001

2001: Extension of system production facilities for vacuum and coating technology and also for automotive production equipment

2002: Entry into the tool changing systems & automation field

2004: The Wassermann family becomes the sole shareholder

2009: Sebastian Wassermann becomes a member of the management board

2011: Eberhard Hahl becomes an additional member of the management board

2012: Completion of the new plant for tool changing systems and automation

2013: Renaming of the company as WASSERMANN TECHNOLOGIE GmbH

2014: Certification according to ISO 14001 for environmental management

2016: Certification according to DIN EN 9100 for the aerospace industry