

Cooperation



Innovation



Precision



Flexibility



Competence





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Dipl.-Ing. Andreas Quak,
Owner and President
of the Global Retool Group

About Us

The Global Retool Group headquartered in Lebach, Germany is a world leader in the field of retooling, retrofitting, overhauling and servicing of any kind of machine tools.

With a team of machine tool experts working from companies around the globe the group can offer the required technical knowledge as well as the international and local presence expected today from a general contractor and turn-key partner.

The high technological competence of its engineers including not only mechanical know-how but also a profound understanding of process and application technology makes the Global Retool Group a specialist in retooling and retrofitting of NC machinery who is able to achieve a maximum benefit for his customers from this advanced and flexible technology.

The strong focus on this core competence allows us to offer OEM quality retooling on time and at competitive prices.



GLOBAL Presence

Our worldwide presence allows us to act as a turn-key partner in international projects and to offer a consistent partnership to our customers at all their production facilities around the globe. With own plants in Europe, China and North America the Global Retool Group has built up a solid and strategically favorable position in all three markets of the triad Europe-Asia-USA. In addition, the Group is represented with further sales and service points in the most important industrial regions of the world.



Europe



America

Asia



The GROUP

Within the Global Retool Group the company WEMA VOGTLAND Technology GmbH based in Plauen, Germany and its locations in Italy and China are the specialists for retooling and overhauling of machine tools. Extensive process know-how and long-term experience as a special machine tool builder are the key to WEMA VOGTLAND's success.

The company SVQ GmbH from its headquarter in Lebach, Germany and its location in Czech Republic focuses on modernization of production machinery and furthermore supplies quality parts, fixtures and automation to all companies of the Global Retool Group, thus ensuring a high vertical range of manufacture.

The company SATEG GmbH is the specialist within the Global Retool Group for both innovative controls and automation technology and automatic parking systems.

With GRG China, GRG America and GRG Mexico the Group can fall back on its own plant locations in Asia and North America which supply the local markets with the Group's full range of products and services.

Rebuild/Retrofit/Retooling

The Global Retool Group modernizes machine tools of all kinds and makes, all over the world, from one machine to complete manufacturing systems. This applies regardless of the age of the machines and for all types of cutting machine tools including cylindrical grinding and large machines. Numerous international references demonstrate our company's capabilities and performance.

Our comprehensive rebuild know-how allows us to give our customers professional support in projects of any size and in any phase of a project.

WEMA VOGTLAND's profound knowledge of machining processes and SVQ's excellence in design and manufacture of clamping fixtures and automation systems make the Global Retool Group a real specialist in retooling of machining centres and flexible manufacturing lines. The concentration of all necessary technical skills and know-how within one group of companies guarantees efficient and high quality solutions out of one hand.





Overhauling

A large pool of production machinery for in-house machining of replacement parts up to 7.5 m and the high technical skills of its service personnel make the Global Retool Group a reliable partner for overhauls, also in combination with retools or retrofits.

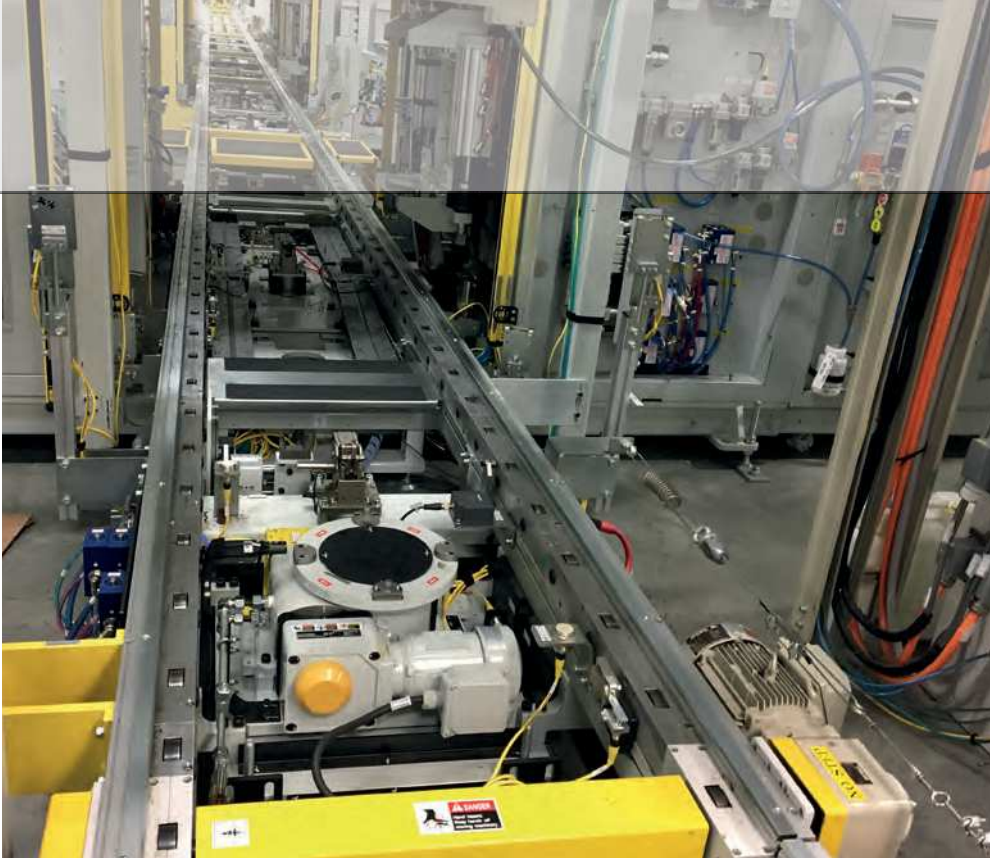
As a world leader in machine modernization we often know better than the machine manufacturer where the problems lie when a machine is getting up in years. Our competence is reflected by a track record of hundreds of successfully overhauled machines.

Relocation

A specialty of the Global Retool Group is the combination of machine relocations and overhaul or rebuild activities often becoming necessary when production machinery is transferred to a new location. Based on our broad logistic know-how proven in many successfully completed projects we can offer even relocations of complete manufacturing plants.

Relocation of a complete manufacturing facility from Austria to Brazil with 800 containers of equipment.





Assembly Systems

WEMA VOGTLAND Technology GmbH supplies manual, semi-automatic and fully automated assembly systems and professionally rebuilds existing equipment.

In line with the customers' needs, the company designs and builds systems and equipment of all sizes for the assembly of components in the car / commercial vehicle sector (engine, transmission, steering, seats, battery, etc.) and also for all other applications in the NON automotive market (sensors, power tools, mechatronics ...) - from individual stations to complete assembly lines.

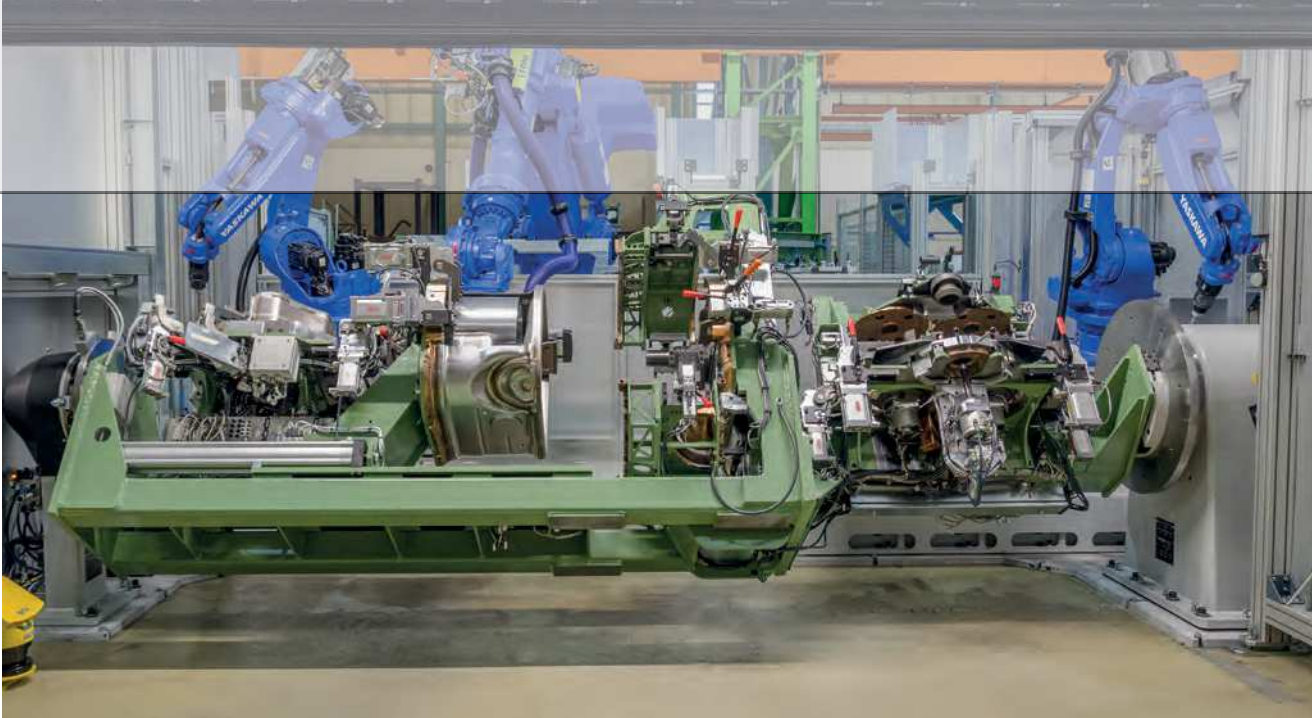




Fixtures

The company SVQ GmbH is a leading supplier of fixtures for metalcutting operations. With its many years of experience, own fixture design, manufacturing and assembly capacity at the headquarter in Germany as well as at its facility in Czech Republic, SVQ can handle even large-scale and complex orders from customers worldwide.



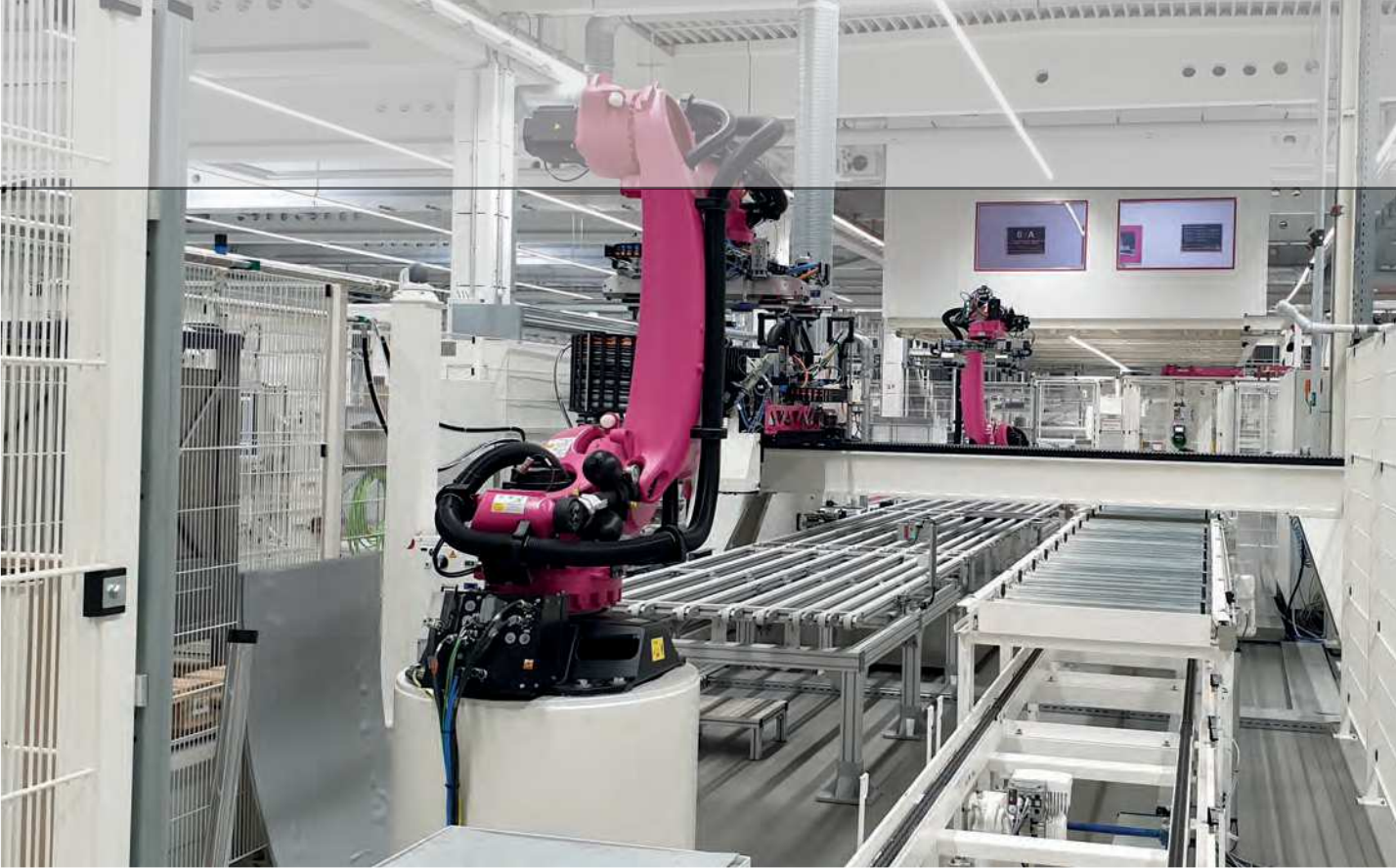


Welding Fixtures and Welding Systems

Benefitting from the group's expertise in robot and automation technology, SVQ has made a name for itself in recent years as a reliable partner for the design and build of welding equipment – from fixtures through welding cells to complete welding systems.

The scope of supply encompasses small individual solutions, frame contracts with major customers, as well as robot interlinked turn-key welding lines.





Automation

Within the Global Retool Group the brand name of SPICHER® stands for high quality automation equipment for component manufacturing and assembly. The wide range of SPICHER products includes systems for the interlinking of individual manufacturing machines and cells by means of conveying systems, robots and gantries or even complete automation systems for processing lines and factory halls - from loading of the rough parts up to unloading of the finished parts.



For fully automated bin-picking SPICHER supplies robot cells with vision system and its patented rough part loading system PILO®.

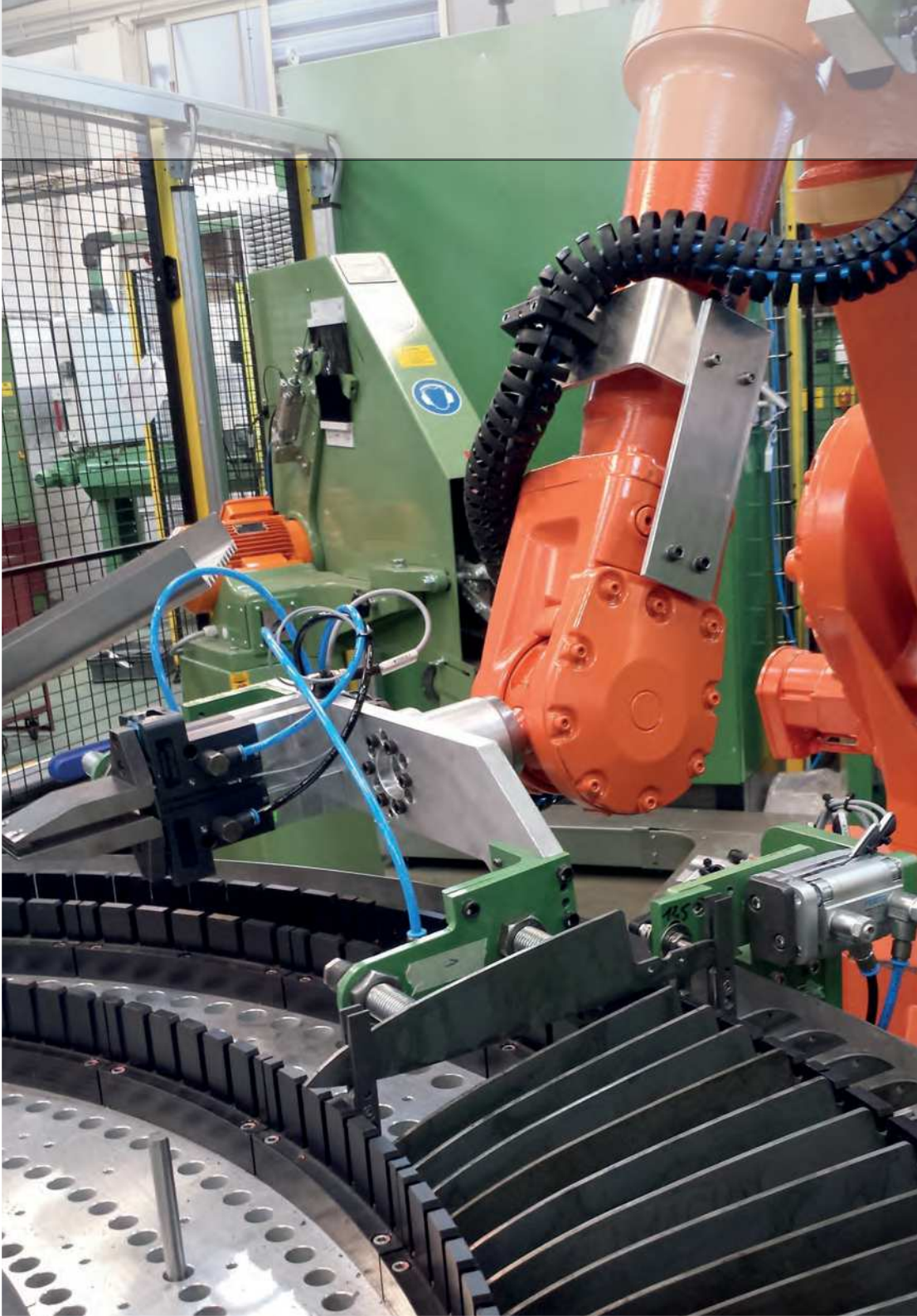
In connection with retools of manufacturing lines but also for stand-alone rebuilds of part handling and transportation systems SVQ's SPICHER team has gained an excellent reputation for the adaption and modernization of existing automation systems and gantries.



Grinding Machines

SVQ's internationally renowned brand of SIEPMANN® represents more than 100 years of tradition and experience in grinding technology. With own patented products SIEPMANN is one of the leading companies in the field of grinding and polishing of cutlery, such as knives or scissors, but also hand tools and machine knives.





In addition to stand-alone solutions, today the majority of SIEPMANN machines are supplied as automated grinding cells or fully automatic lines featuring robot machining operations such as deburring, polishing and sharpening and other additional manufacturing steps.

Also for the retooling and overhauling of grinding machines customers can rely on the specific skills and knowledge of the SIEPMANN engineers reaching from mechanical know-how to profound grinding process know-how.

Control Systems and Controls Retrofits

With the company SATEG GmbH the Global Retool Group owns a specialized company for control and automation solutions. SATEG engineers design and implement automation technology for various industries. Services range from planning and design to assembly and installation, and up to maintenance and service of electrotechnical systems. Customers can rely on SATEG as a competent partner for control cabinet build with extensive hardware and software knowledge.



Due to the constantly advancing technological development in controls and automation and the continuously growing demands with regard to performance and functionality of machines, the update and modernization of controls and electronic components gains more and more importance. SATEG engineers and technicians have the necessary experience and know-how to design or retrofit even complex control systems up to the master control level. This includes the complete development of new controls for existing machines for any size of production shop, from individual parts manufacturing to small-batch and even large series production.



Industry 4.0

In the era of digitalization and smart factories many different devices, including aged equipment, will communicate with each other in an unprecedented way. In order to meet this requirement the GLOBAL RETOOL GROUP offers under the brand name softQare® its retrofit package 4.0, comprising a software product, electrical hardware and a retrofit service package for existing machines. Alternatively this product can be integrated in new machines or lines directly from the beginning.

Innovative Parking

In times of increased mobility and lack of parking area the patented puzzle parking system parQing® provides the perfect solution for an optimum use of parking space. With this system it is possible to achieve an increase of parking capacities of up to 100%.

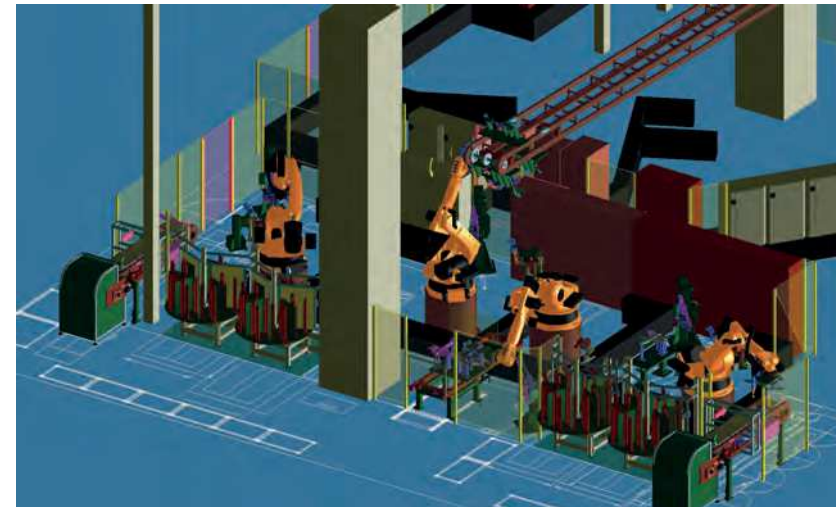
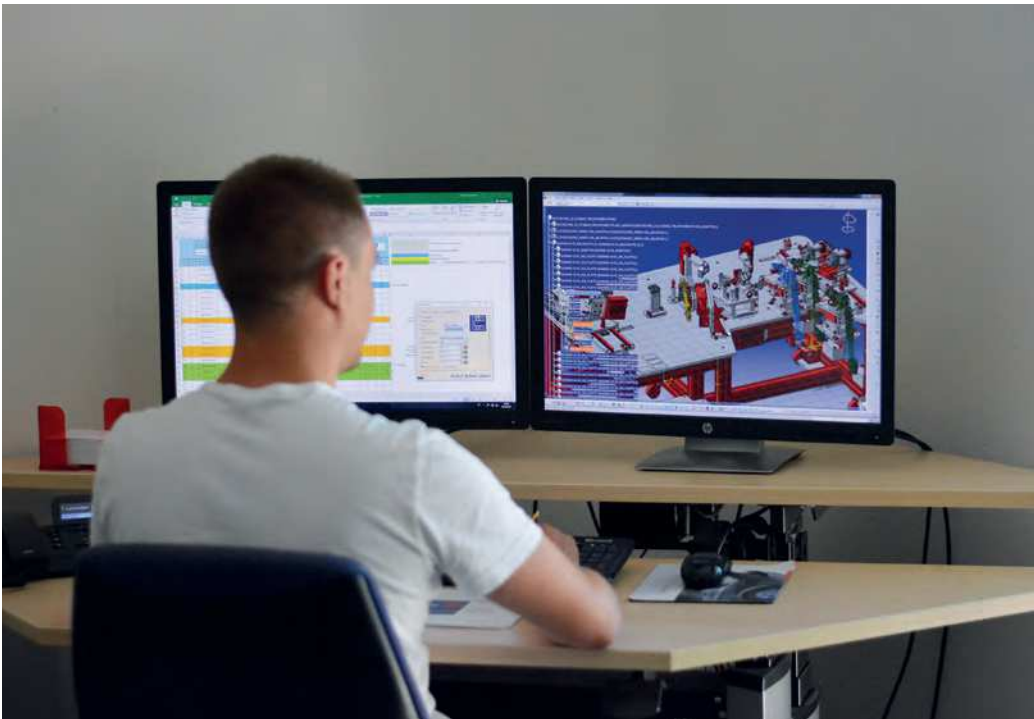
The use of digital technologies allows an interaction and connectivity between car park and driver and thus enables an automatic retrieval of the car at the desired time and cashless payment.



Engineering and Simulation

Ingenium technology S.A. provides superior engineering services primarily for the automotive industry but also for the consumer goods industry. Engineers with many years of experience develop solutions in the areas of automation, processing of new materials and analysis of complex motion sequences, prepare feasibility and cycle time studies and design your products from the idea to production maturity.

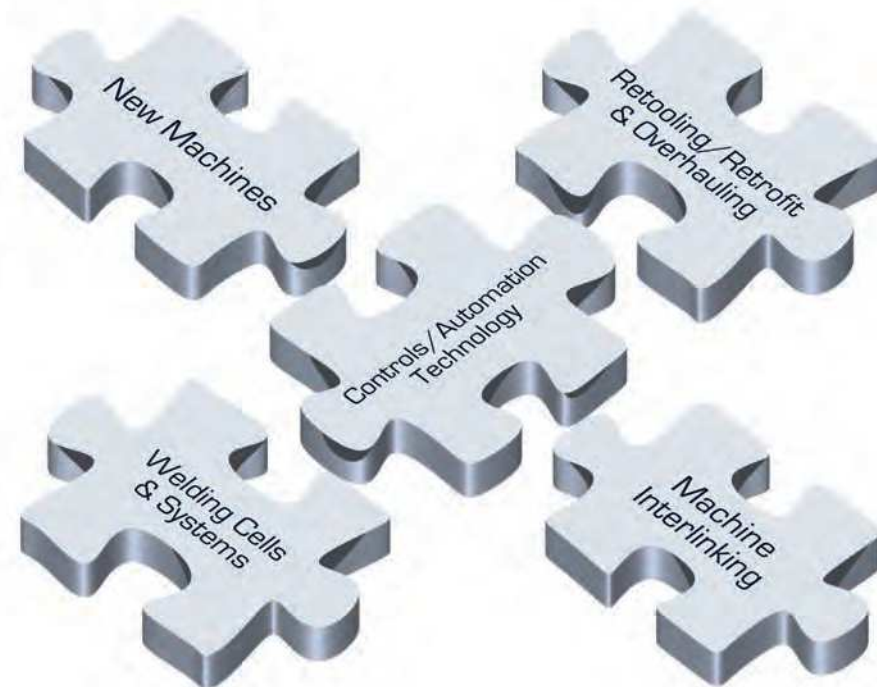
Through proactive process planning and simulation of all processes in detail, an optimal manufacturing process is defined at an early stage. Suitable simulation models ensure an optimization of the process steps within given cycle times and prevent collisions within a machine or system.



System Integration

With the extensive practical knowledge from many years of retooling and process experience and the special expertise of its individual group members the Global Retool Group has all the prerequisites for operating as a system integrator in project business.

By bringing together individual elements into one functioning system, either through combination of existing equipment with new machinery for producing a new workpiece or through connection of individual machining cells to form a complete system, we provide integrated solutions for modern production needs at reasonable cost without compromising on quality.





Innovation and Process Optimization

In permanent close co-operation with our customers we do not only work out problem solutions, but invest in new patented technologies which are often a result of joint development. An excellent example for this approach is the Linetec machine developed by SVQ GmbH. From the beginnings of a lineboring fixture to a complete, fully automatic machine for precise lineboring of cylinder heads in a micron range. A proven solution which has since been sold to customers worldwide.

For the optimization of manufacturing processes we support our customers with our comprehensive technological know-how, always paying particular attention to the complete process chain from tooling, fixture, machine and automation up to the all-important chip removal. The expertise of SPICHER and SATEG in the fields of handling, automation and controls helps to optimize not only the cutting processes but also to improve and increase the output and availability of a manufacturing machine or system.

Service and Maintenance Contracts

24 hours a day, 7 days a week our team of experienced service technicians is available worldwide to ensure inspection, maintenance and repair of own and third party equipment. Skilled service personnel at our plants provides immediate support via teleservice in case of mechanical and electrical problems.

In response to the constantly increasing demands for availability and productivity of manufacturing equipment we offer our customers maintenance contracts in order to guarantee a maximum machine efficiency and output. If required by our customers, we can provide complete plant maintenance by our personnel. Thanks to the extensive experience of our specialists we are able to provide maintenance services independently of the original machine manufacturer. This gives the customer a clear advantage since he can use synergy effects by buying maintenance from one source and thus achieve cost savings.





Lifetime Partner for Your Machinery

When it comes to overhauling, relocation, retrofitting or retooling of machinery, machine tool users from all kinds of industries trust in the expertise of the Global Retool Group. Whether it is a stand-alone machine or a complete manufacturing system, we take care of our customers' needs – from the automotive industry through the general machining industry to small job shops.

We see ourselves as a service provider and fair partner and develop in close cooperation with the customer the optimum technical and economical solution for the realization of his project, from the mere overhaul or retrofit of a single machine to a major project including automation or fixtures.



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