

PIONEERING IDEAS.

FOR THE RUBBER AND PLASTICS INDUSTRY



Dipl.-Ing. (FH) Peter Steinl
Managing Director

YOUR COMPETITIVE EDGE – PROVIDED BY US.

LWB's technical developments and innovative processes have been providing the elastomer and plastics industry with fresh impulses for decades. These innovations, which offer our customers crucial advantages for achieving safe, efficient and highly economical production processes, are firmly rooted in our proven machine technology.

We do not merely consider ourselves a reliable supplier who tends to its customers' needs with competence and experience. We are also your specialized partner, developing the ideal concept for any conceivable application and product solution in close collaboration with you, and implementing it with the utmost quality and precision. After all, highest quality standards constitute a key component of the LWB corporate philosophy, which defines our every working moment at all our locations. Thanks to this, German engineering is a heritage for LWB, reflected both in the standard production of our machines and the technical innovations which revolutionize cost-efficiency and productivity time and time again.

As a traditional family business with short decision-making processes, extensive know-how and a highly qualified team of employees, we provide our customers with a decisive competitive edge in the global market.

Peter Steinl

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1962.



Company founder Alfred Steinl (2nd from left) with employees in front of a simulator developed specifically in accordance with customer requirements.

Future with tradition.

Landshuter Werkzeugbau (LWB) started with its first orders in 1962. Focus at the time: tool and jig making. Today LWB is a highly specialized provider of elastomer and thermoplastic injection moulding machines.

Innovation and dynamism from the very beginning: LWB's jig making was soon followed by the introduction of complex rubber processing machines. In the mid-1960s, the company manufactured highly specialized machines for belted radial tyre production and very soon also batch-off equipment. Company founder Alfred Steinl developed the specific expertise for efficient, precise and modular injection moulding machines for elastomer processing.



Milestone of its day
The Y-shaped design of the injection unit was considered to be the state-of-the-art in the 1970s.

● Innovation and growth need space: LWB moved into its headquarters in Altdorf and expands its production capacities in the 80s and again in the 90s.

● The patented "EFE injection system" provided LWB customers with an added advantage with an increase in energy, production and cost efficiency.

1971

1978

1991

1994

2004

TODAY

● Construction of the first machines for elastomer processing.

● The patented "E-injection unit" provided decisive production advantages with its still unsurpassed high levels of precision.

● Drive and enthusiasm transcended generations at LWB: Alfred Steinl's son, Peter, spearheads the development and expansion of the international distribution network.

● 7,000 LWB machines are successfully in use internationally at a wide range of processing companies. With branches all over the world, LWB and the entire Steinl Group are a partner with global presence.



TODAY.

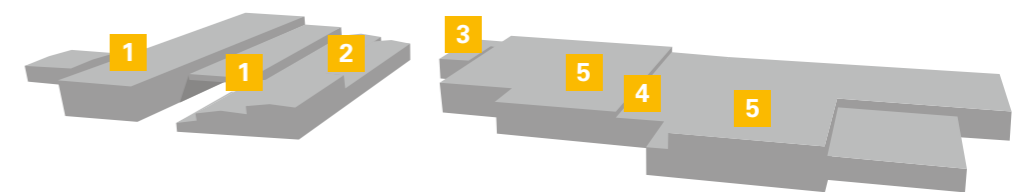
Pioneer – for a reason.

With an annual production surpassing 400 machines for the elastomer processing industry, a steadily growing customer base in the thermoplastics sector, LWB is one of the leading suppliers of its field.

As an industry specialist we offer more than just standard. In terms of our machines and systems this refers not only to quality, precision and process reliability but also means a specific benefit for our customers' production processes. And this is the precise task of more than 260 LWB employees all over the world. Each of our machines can be customized to meet individual customer requirements and specifications, thanks to their modular design and the large number of equipment options.

LWB HEADQUARTERS

1. Mechanical production
2. Raw materials store
3. Design & development
4. Prefabricated parts store
5. Assembly



50 m

LWB IN BRIEF*

Foundation: 1962

Production site in Altdorf near Munich: 50,000 m²

Worldwide locations: 6

International distribution partners: 14

Number of machines produced: >400 / year

*Correct as of: Januar 2018

For us, step-by-step means hand-in-hand.

Our in-house manufacture of approx. 75 % allows us to be flexible and customer-oriented.

One major advantage at LWB is the extensive and long-standing in-house expertise. This means that thanks to our high production depth, short distances and precisely coordinated working steps, we are able to skilfully and flexibly implement customer requirements in each LWB machine. Our experts in construction design, manufacturing and programming work side-by-side and hand-in-hand. A perfect work-flow for perfect product solutions.

SERVICES UNDER ONE ROOF

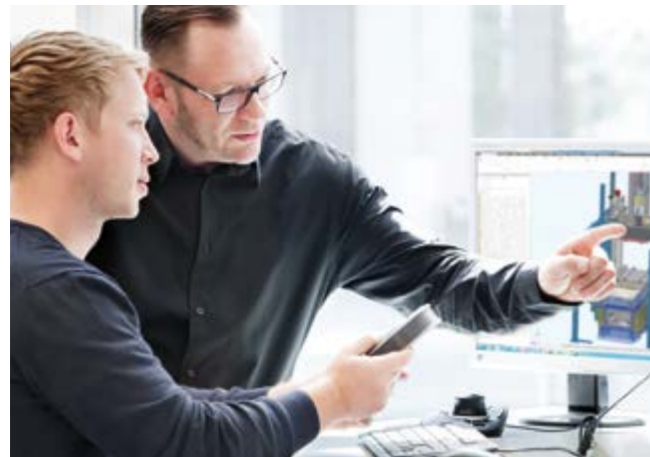
Design & development

Project planning

Automation technology

Process engineering

Training & service



Design & development

For standard as well as special machines, LWB has professionals with extensive knowledge and many years of practical experience developing solutions for efficient, highly productive applications. Each step of the development process is discussed within the team, who combine and co-ordinate their expertise to achieve the best possible overall solution.

Mechanical production

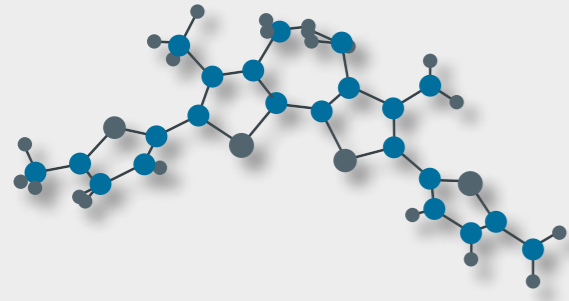
As tasks are handed over from the Design to the Production Department, LWB's engineers from the various departments of the company continue to engage in an intensive coordination process. As a result, our experienced employees who work on the production of individual parts, know down to the last detail what is important for each machine component. Highly precise manufacturing is ensured at all times thanks to in-house, cutting-edge technologies and the high level of training at LWB.

Assembly & Electrical cabinet manufacture

Over 50 years of expertise in plant and special machine building are a guarantee for short development times and the assembly of individual components into complex and efficient overall systems. The specialist skills of our technicians and mechanical engineers are indispensable for us and our customers in ensuring the customer-focused, cost-efficient implementation of all projects.

Programming

Each working step ultimately leads to the application-oriented and effective operation of an LWB machine. And again, we rely entirely on our in-house expertise to achieve this. Informed of all important aspects, LWB employees ensure programming which is appropriate down to the last detail. The perfect ending for machines that meet every customer requirement exactly.



MACHINES FOR
ELASTOMER PROCESSING.

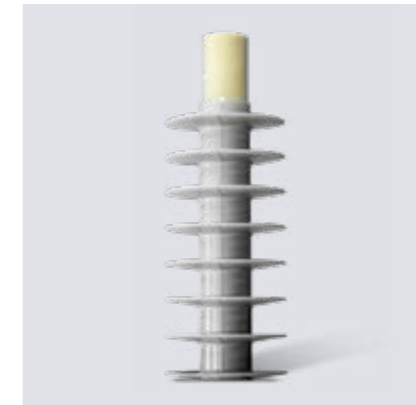


Highest levels of precision and reliability
 for your production.

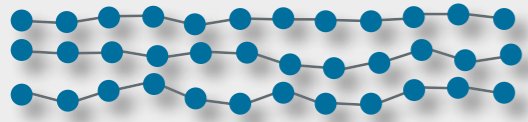
LWB machines fulfil the highest requirements in terms of consistent quality, precision and stability in a diverse range of production processes. They are used successfully all over the world in a wide variety of applications.

For several decades, LWB has been manufacturing compression presses and injection moulding machines of a horizontal and vertical design – for all of the most renowned companies in the rubber processing industry worldwide. And there is a good reason for this: the continuous development of our machines and process technologies ensures innovative solutions and give our customers a decisive advantage in terms of efficiency, productivity and precision. In effect, this means: we give them clear advantages for their production processes.

Our main focus lies firmly at the core of our machines: their injection technology. We incorporate more than 40 years' worth of experience with injection into the development of our machines and systems. It is our goal to offer you reliable machines that enable you to manufacture competitive high-quality products



Our range of machines for the production of elastomer moulded parts can be found on our website.



MACHINES FOR THERMOPLASTICS PROCESSING.



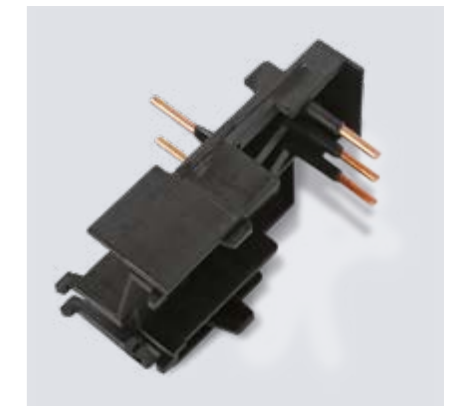
Always in focus: our customers' requirements.

Moulded parts and profile corner moulding made from thermoplastic elastomers are becoming increasingly important in the industry, thanks to their specific material advantages. Together with our customers, we have developed machine concepts that provide decisive additional value.

In order to satisfy the special requirements in the processing of thermoplastic elastomers, we offer our machines with injection units that have been developed specifically for the processing of plastics.

This creative innovation and dynamism is directly rooted in the technical expertise of our engineers. With their experience and the in-house expertise of LWB, a standardised, tried and tested range of machines has been developed that is continuously being adapted to new market requirements.

As a competent, customer-focused partner, we also offer specialized mechanical solutions for specific applications in the automotive, medical and engineering sectors.



Our range of machines for the production of thermoplastic articles can be found on our website.



Focusing on the essentials: sophisticated systems for reduced energy consumption, increased productivity and optimal cost-efficiency.

CREATING ADDED VALUE.

The core of sustainable performance.

Machines and equipment that offer genuine added value in the rubber and plastics industry constitute the motivation for which our tried-and-tested LWB solutions and our innovative new technologies are perfectly interlinked.

A high production reliability, short cycle times and optimized cost-efficiency are key factors for our customers' economic success.

As an industry specialist in development of injection systems, clamping units and control systems, we focus on the relevant synergies and process optimizations. These sophisticated designs and innovative developments provide a solid foundation for the excellent performance of our machines and equipment.

No potential left unused.

We strive to advise and accompany our customers throughout all of their processes with the help of our experience in in-house manufacture as well as Research and Development. It is our employees who lay down the tracks for high efficiency and financial savings in just the right places by making use of their long experience. No matter whether we are working on a new or existing machine, whether special or standard version – the added benefit for our customers' processes will always remain our highest priority.

LWB IN-HOUSE EXPERTISE FOR:

Injection moulding machines for rubber and plastics

Batch-off equipment

Compression presses

Individual special solutions

SOLUTIONS.

Extensive expertise for a wide range of requirements.

Our design ideas have had a significant influence on developments in the rubber and plastics processing industry. We are particularly proud to be paving new ways with our concepts that will allow our customers to meet new challenges while maintaining an economical and profitable production.

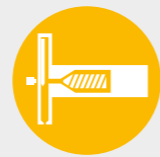
No matter whether you are using a standard machine with modular equipment or an individual solution – your LWB machine is perfectly adapted to your processes, productivity, space requirements and infrastructure. At the same time, we keep in mind efficiency, financial and safety concerns. Our close teamwork results in best solutions in regards to equipment, design and modular structure.

LWB machines are perfectly suited to our customers' requirements and field of application.



Machine design

Depending on the application and manufacturing philosophy of our customers, we offer rubber and plastic injection moulding machines in different versions: C-frame, frame and column design.



Injection systems

The diversity and continuous development of our injection systems is our strength. We offer our customers the right injection technology for each application and specific requirement.



Modular design

The modular design of our machines offers a wide variety of options and variants to suit an equally wide range of different applications.



Automation / turnkey

Together with qualified toolmakers and partners in the field of process engineering, we develop intelligent automation solutions and individual turnkey plant systems.

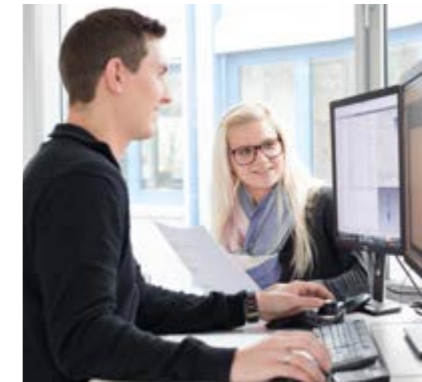
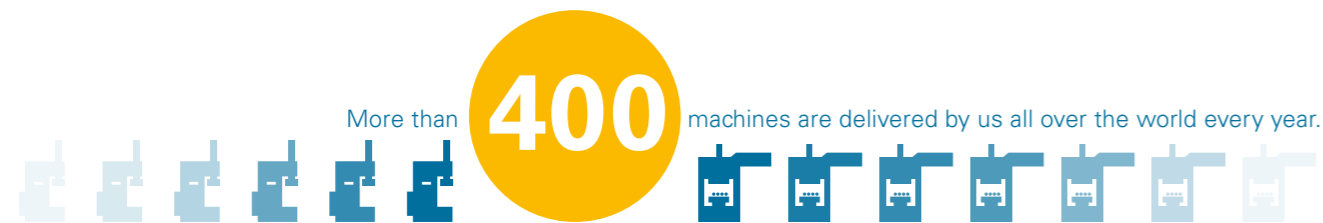


CAPABILITY.

The art of turning skills into high performance.

Every step we take at LWB, every development and every one of our machines are based on one and the same principle: quality made in Germany! Our employees put this principle into practice every day.

The LWB philosophy has always been to practice and produce quality. It is this very philosophy that ensures continuity, growth and success – for us and for our customers. Our long-term employees translate this principle into practice. Thanks to their experience, specialist knowledge and expertise, LWB supplies machines and equipment of a consistently high quality. We therefore place great emphasis on the training and education of our employees, both at our headquarters and our subsidiaries all over the world. We have been located in Altdorf in Lower Bavaria for decades, where we have trained our employees continuously from the very first day. We are proud of our highly qualified team of approximately 230 employees in the mechanical engineering sector which makes LWB one of the major employers in the region.





Tailor-made service, individual training and advice.

SERVICE.

Your satisfaction is our motivation.

We offer you a comprehensive, customer-focused support service throughout your machine's life. Our service team will be happy to assist you with any concern you may have, be it the installation of your machines, their process optimization, maintenance or refurbishment.

CUSTOMER SERVICE



Our technical service and the various LWB branch offices and agencies guarantee that competent support and long-standing expertise are available to you at all times.

Competent & customer orientated:

Our technical service is available all over the world to provide you with fast, professional assistance and advice. In addition, we support you through our service hotlines and remote service, ensuring fault analysis and correction within the shortest possible time.

TRAINING



With demand-oriented and individual training courses, we support your employees in making the most of the potential of an LWB machine.

Individual & demand-driven:

We offer your employees training both in the operation of our machines and in process engineering in order to make sure they can take full advantage of our efficient technologies. Our wide range of services is specifically targeted to your priorities and to the level of knowledge of your employees.

MAINTENANCE



LWB's professional maintenance service creates the best conditions for a long life-span and excellent performance of your machines.

Reliable & knowledgeable:

Our maintenance service also offers you "Quality Made in Germany" - all over the world at each customer location. Our employees use their every working hour to make sure that your machine is fully reliable and functional.

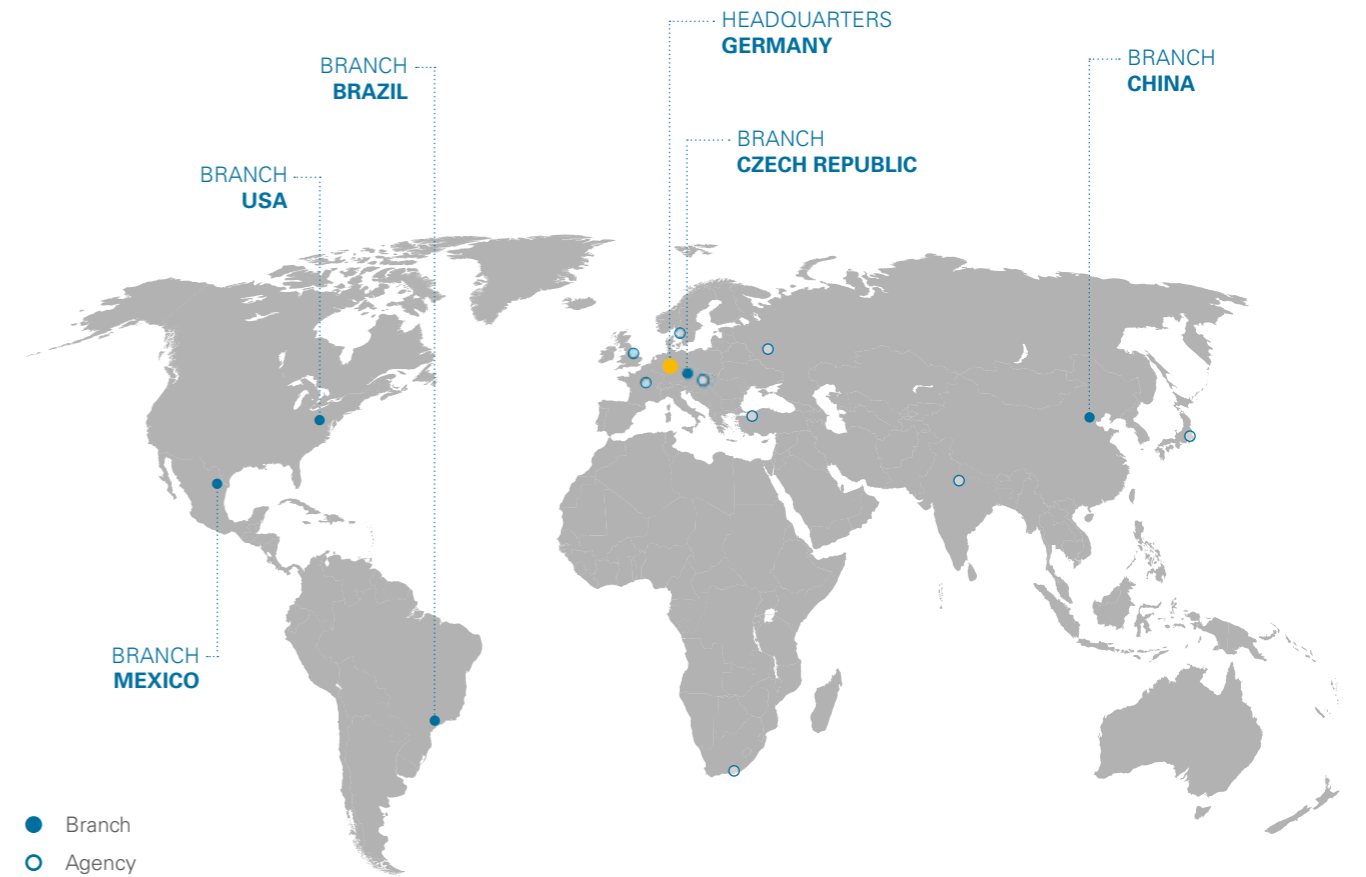
SUPPLY OF SPARE PARTS



Original LWB parts are available to you worldwide.

Quick & easy:

In order to ensure a smooth process flow for our customers, we aim to reduce our response and spare part delivery times to an absolute minimum.



Providing you with global support and assistance.

It's important to be close by when it comes to individual product development, consulting and a fast reaction. LWB embarked on the strategic route towards internationalisation early on.

By working with LWB, you have access to a globally active, competent partner with a worldwide presence that has been expanding continually since the early 90s. This global service has long since become part of our everyday business.

LWB has always expanded its geographical range, starting in Europe and continuing via North and South America all the way to Asia. In addition to numerous local agencies, we support our customers with our own branches and service companies. The establishment and expansion of the international sales network began with LWB Sales and Service (Pittsburgh, Pennsylvania). Since 1994 we have been offering our customers in North America, including Canada, customer-oriented local support. The Pittsburgh branch is home to highly qualified service technicians, an extensive stock of spare parts and a show room with machines that are available for your tests with your mould and compound.

Our customers in Eastern Europe have a highly qualified and experienced team at their disposal in the shape of service technicians at LWB Service s.r.o in the Czech Republic.

In 2010, we established LWB de Mexico in Monterrey to provide local services. Together with our capable team, we offer our customers an extensive after-sales service including spare-parts supply.

With the establishment of LWB/STG do Brasil in 2014, LWB is today represented in the most important markets with sales and service companies. We are continuing to push forward with this development in order to remain a reliable and highly efficient partner with an international market presence for our customers in the future.

Numerous sales partners and sales offices support our international presence.



THE STEINL GROUP.

Your strong partner.

Stability and long-term viability are the guiding principles of the Steinkl family. Over the years, further industrial fields have been developed to supplement the core business and secure the continuation of the company by adding more strings to its bow.

LWB
STEINL MACHINERY



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Each of our machines can be customized to meet individual customer requirements and specifications, thanks to their modular design and the large number of equipment options.

www.lwb-steinl.com

LWB
AUTOMATION



LWB Automation is your partner for modular, flexible automation services. An experienced team accompanies you from the concept to the realization of individual solutions for the requirements of forming, assembly and follow-up processes.

Our customers receive turnkey production units with comprehensive handling peripherals including process technology - in combination with vertical or horizontal presses as well as injection moulding machines.

www.lwb-automation.com

STG
CARRIER



Our sister company STG (Stanztechnik Gesellschaft) with headquarters in Altdorf was founded in 1962 by Alfred Steinkl (1930-2013) and is a developer and manufacturer of metal carrier for the automotive industry. It also operates in the fields of technical products and specialist trade. In order to meet the requirements of the global automotive industry and its direct suppliers, STG opened two more production sites in North America and Canada some time ago in North America and Canada, as well as in Brazil, Mexico and China.

www.stg-carrier.com

DREI BOND



Since 2013 Drei Bond GmbH, a developer and producer of materials and metering systems for the sealing of engines and transmissions, has belonged to the LWB corporate group. For more than 35 years, Drei Bond in Ismaning/Munich has had an extensive portfolio of high-performance adhesives and sealants, and has been a recognized systems supplier to the automotive industry in this field.

www.dreibond.de

URP
MACHINERY
BY STG & LWB



LWB established a joint venture together with the firm rep international in China in 2014 for the production, distribution and servicing of injection moulding machines in order to meet the constantly growing demand in Asia. The company "United Rubber & Plastic Machinery (Langfang) Ltd. (URP)", is located near Beijing and produces machines that have been specifically developed for the Chinese market in a production area of 2,500 square metres. As a result of this cooperation, our customers benefit from a strong supplier that offers a wide range of products and services.

www.urp-machinery.com

PRODICON



Prodicon International Srl. is technology leader in the field of Batch-Off Cooling lines and other special machines for rubber mixing rooms in the tyre industry as well as the technical rubber goods industry. More than 40 years of mixing room knowhow and over 1.000 installed machines worldwide are the background of Prodicon's service to its longtime customers.

Also within the general rubber industry, with its automation capabilities as well as flexibility of machines and applications, Prodicon is the preferred choice.

www.prodicon.it

biofibre



Biofibre develops, produces and markets natural fibre-reinforced bio-materials. This ensures that the entire value-added chain is covered, enabling professional and flexible responses to customer requests. For its products, biofibre - whose headquarters is in Altdorf - uses only renewable resources that are not in competition with food production.

www.biofibre.de

THINKING AHEAD.

LWB stands for development.

New materials, optimized processes and a constantly changing market environment pose many challenges for the industry. LWB and the entire Steinl Group will continue to respond to their requirements promptly in order to ensure quality.

The consistent expansion both of our parent company and our worldwide presence serve one and the same purpose: striking new directions that provide our customers with customized solutions and new opportunities for the global competitive market.

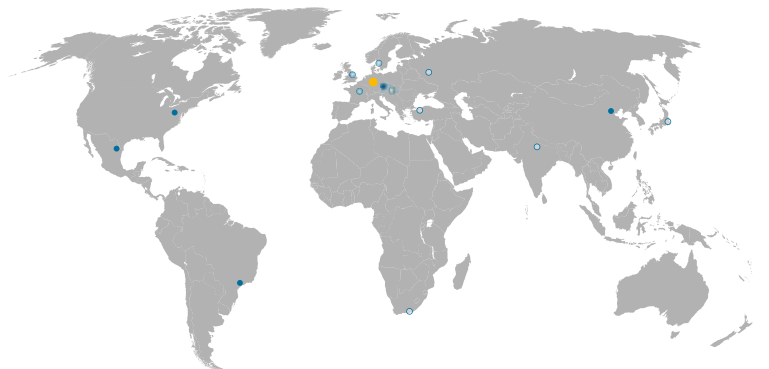
We look forward to our continued co-operation and future opportunities to ensure your decisive competitive advantage.



INTERNATIONAL.

LOCATIONS.

LWB is represented in all important markets. You can find an overview of all important representatives on our website.



STEINL MACHINERY

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