



Lenzing

Innovative by nature

LenzingTechnik

Mechanical Production

Overview of Services

Precise. Reliable. Customer-oriented.

www.lenzing-technik.com

Lenzing Technik

Mechanical Production

A wide range of services makes us a strong and reliable partner as a service provider for industrial firms. A comprehensive machine pool, an experienced planning team and professional quality management are the foundation for the collaboration with our customers.

Our many years of experience and the use of state-of-the-art technologies ensure top quality and maximum compliance with cost requirements. High production depth allows us to react flexibly and quickly to all kinds of different tasks.

Our customers benefit not just from the advantages of a modern company, but also from a team of qualified specialists that actively practices exemplary customer orientation. The service for the customer includes support from our experts in technical design, in the selection of materials, and in the selection of the ideal production technology.

Our expertise – your advantages

- Specialist personnel with years of experience and the highest expertise
- Production depth – from the blank cut to surface treatment
- Production width – a wide variety of materials and numerous processes
- Quality assurance – extensive certifications and approvals



Mechanical Production

Core Competences

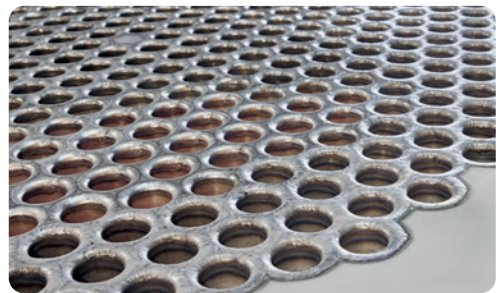
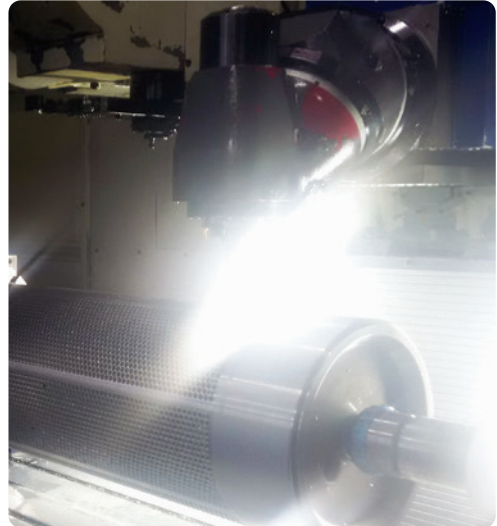
- Center of excellence for production, development and quality assurance
- Fulfillment of the highest technical welding requirements
- High-quality mechanical processing
- Surface refinements

Services

- Fast implementation of customer requirements, from the quotation to delivery
- Technical support for a wide variety of applications
- Removal of surface wear
- Maintenance and repair

Materials Processed

- Simple structural steels
- Acid and heat-resistant steels
- Duplex steels



Approvals and Quality Assurance

- **ISO 9001:2015:** quality management system
- **ISO 14001:2015:** environmental management system
- **ISO 45001:2018:** occupational health and safety management system
- **EN ISO 3834-2:** welding quality requirements
- **Pressure Equipment Act, Section 51(3):** repair of pressure equipment
- **EN1090:** FPC certificate
- **EN1090:** welding certificate
- **AD2000 fact sheet:** HP 0 approval
- **AD2000 fact sheet:** HP 100 R approval
- **EN15085:** welding of rail vehicles and vehicle components

Production Technology and Machinery

Range of Services

Our machinery and the associated production techniques make us a specialist in precise individual and special part production, as well as in the manufacture of small-series parts. The use of the right technology and highly precise production at the highest quality level mark us out as a reliable partner.

- Vertical boring and 5 axis milling center with a travel length of up to 6,000 mm
- Several 5 and 6 axis processing centers, bed milling machines with travel lengths of up to 2,500 mm, simultaneous processing, as well as use of CAM software
- Turning with CNC and cycle-controlled turning machines with lengths of up to 6,000 mm and diameters of up to 1,290 mm
- Planing and slotting machines
- High-precision laser micro-boring systems
- Autogenous and plasma-cutting as well as water jet cutting
- A wide variety of sheet processing machines such as plate shears, mechanical press brakes, and 4-roller roll-in machines
- Indoor cranes with a load-bearing capacity of up to 20 tons and span widths of up to 21 meters



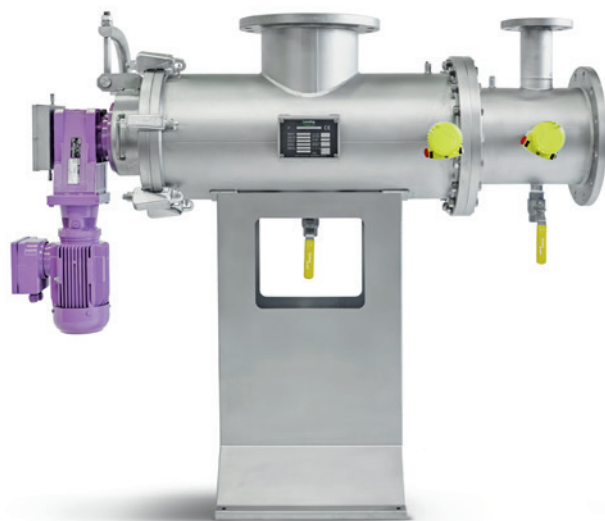
Apparatus and Tank Construction

Range of Services

According to our customers' requirements, we manufacture apparatuses, tanks, and heat exchangers for storing, bottling, handling, manufacturing, and treating various media. The apparatuses and tanks can be adapted to local conditions in optimal fashion and can also be assembled on site in the case of difficult integration situations. Our welding engineers will be happy to support you in selecting the right materials.

Our range of services includes:

- Pressure tanks
- Storage tanks for acids and lyes
- Heat exchangers
- Columns
- Reactors



Welding Technology

Range of Services

Manufacturing high-quality welded seams requires a good command of the extremely complex welding processes. It requires a lot of experience and expertise regarding the different welding processes and the materials used. We have the necessary expertise to implement the projects of our customers and partners. Our workshop is excellently equipped with welding robots and machines.

Technical welding personnel

- IWE/EWE International/European Welding Engineer
- IWT/EWT International/European Welding Technologist
- IWS/EWS International/European Welding Specialist
- Tested welders according to EN ISO 9606-1

Welding Processes

- Manual arc welding process 111
- Metal inert gas welding process 135
- Metal active gas welding with welding powder-filled wire electrode-136
- Tungsten inert gas welding process 141

Nondestructive testing (NDT)

- Performance of nondestructive testing on welded seams
- Certified personnel according to EN ISO 9712 for the approval of the nondestructive testing – PT 2, VT 2
- Visual testing VT and dye penetrant testing PT according to the requirements of ÖNORM EN ISO 17635 including documentation of the tests carried out



Surface Technology

Range of Services

As a qualified service provider in the area of mechanical production technology, we have many years of experience in numerous areas of surface technology. We offer a wide variety of technologies for surface and corrosion protection as well as for surface refinement for the optimal solution for your task.



Bath and Spray pickling as well as Passivation

- Components up to a length of 7 m in the full bath
- Nearly all components sizes can be treated in the spray pickling system
- Passivation at customer request



Glass Bead Blasting

- Cabin dimensions: 7,500 × 4,000 × 4,000 mm
- Materials: stainless steels
- Blasting material: glass
- Purity level: SA 3.0 (flawless)

Sand Blasting

- Cabin dimensions: 6,200 × 5,000 × 4,000 mm
- Materials: aluminum or steel
- Purity level: SA 2.0 – SA 3.0

Painting

- Cabin dimensions: 8,000 × 3,800 × 4,000 mm



Electrochemical Polishing

- Cabin dimensions: 600 × 350 × 470 mm (larger parts on request)
- Materials: stainless steels or other precious metals

Wear Technology

Range of Services

Surface wear is one of the main reasons for component damage and the associated breakdown of machines and devices. Wear technology offers various processes for increasing the lifespan of machines and devices and thus avoiding breakdown and maintenance costs.

Metallurgical Spraying

- Hot or cold process
- Wire or powder form
- For plunger blocks, shafts, protective sleeves of shafts, axles etc. that have been destroyed or damaged due to wear

Hard Facings and Hard Applications

- Hard facings of shafts or screws
- Hard applications with special welding rods
- Wear protection as well as restoration of surfaces for the hardest stresses, such as screw blades, shredders etc.

Molecular coating

- Cost-effective and efficient repair of turbines, pump housings, rotors, bearing housings
- Preventative coating in order to extend the lifespan of the components

According to the needs of our customers, we can offer various processes to prevent and remove surface wear. Our experts are ready to provide advice on the technology and the selection of the right method.



Maintenance/Assembly and Quality Assurance

Range of Maintenance and Assembly Services

Our highly qualified employees characterize to a large degree by a great level of awareness of safety matter, expertise, and technical production skills. This ensures a punctual, safe assembly of systems and machines, and, further down the line, safe operation.

Thanks to our many years of experience in the production and assembly of machines and in the construction of systems, our employees possess in the areas of

- Workshop mechanics
- Assembly mechanics
- Transportation

a high level of area-specific system knowledge.



Range of Quality Assurance Services

The center of excellence for quality assurance bundles our knowledge in the field of quality and offers this knowledge to our customers as a service.

We offer quality assurance with special equipment:

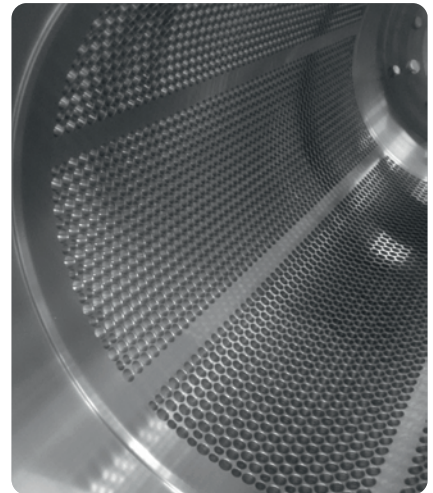
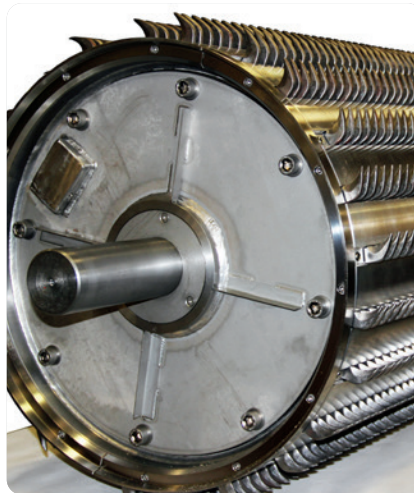
- Optical measuring machine
- Material analysis device
- Hardness measurements
- Surface measurements
- Classic quality assurance

Our range of quality assurance services includes:



- Production monitoring
- Verification of the established quality requirements
- Product and system approvals
- External supplier audits

Projects



Changes, print and punctuation errors, and other errors reserved.
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