

WELCOME TO  
REISHAUER  
GEAR GRINDING  
TECHNOLOGY

WHY IS REISHAUER UNIQUE?

# BECAUSE WE SET THE STANDARD OF TECHNOLOGY, EVER SINCE INVENTING CONTINUOUS GENERATING GEAR GRINDING

1788

Foundation of the company in Zurich, Switzerland.

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1945

Reishauer launches the first continuous generating gear grinding machine in the world. We predicted in the accompanying brochure: "In the future, gears will be ground which we cannot grind today due to high costs, even though it would be preferable to do so now."

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Today,

our prediction has long since been turned into reality, and our goal continues to be: To provide our customers with innovative solutions so they can create added value; at the highest levels of part precision and process reliability.

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BECAUSE WE CONTINUE TO SET THE  
STANDARDS

# BECAUSE WE FOCUS ON IN-HOUSE MANUFACTURING

OUR HIGH DEGREE OF IN-HOUSE MANUFACTURING, OR VERTICAL  
INTEGRATION, IS THE FOUNDATION OF OUR PERFORMANCE PORTFOLIO.

ALL CORE COMPONENTS ARE DEVELOPED IN-HOUSE AND MANUFACTURED  
IN OUR SWISS FACTORIES.



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# BECAUSE WE TAKE CONTROL OF OUR SUCCESS FACTORS

REISHAUER CIRCLE OF COMPETENCE:

OUR PERFORMANCE PORTFOLIO – ALL FROM A SINGLE SOURCE

[find out more](#)



# BECAUSE OUR MACHINES STAND FOR CONSISTENT HIGH-PERFORMANCE

Worldwide, the majority of hard-finished gears are precision-ground on Reishauer machines. Our machines are the result of focused, decade-spanning development, and of an uncompromising quality strategy - today and in the future.



## TWIN-SPINDLE TECHNOLOGY

The twin-spindle concept markedly shortens cycle time and ensures the high production output of the Reishauer continuous generating grinding machines. While one part is being ground, the previously ground part is unloaded and a new part is loaded and meshed simultaneously into grinding position.

## REISHAUER'S ELECTRONIC GEARBOX

The in-house developed electronic gearbox coordinates the complex axes movements of the continuous generating grinding process and creates the exact geometry of the gear.

## REVOLUTIONARY PROCESSES

For decades, continued focused development of the grinding process has given Reishauer the technological lead in the hard-finishing of gears. To name but a few examples: high-speed grinding with 100 meters per second (m/s), polish grinding and topological grinding.

[find out more](#)

# BECAUSE WE HAVE A FIRM GRIP ON GEARS

The Reishauer machine sets a fast production pace, with the part loading automation in perfect phase. Whether shafts or disk-type parts, the Reishauer automation is the ideal extension of the machine.

## SEAMLESS INTEGRATION

The automation concept is an integral part of the Reishauer performance portfolio, and as such, ensures the perfect communication between grinding machine and part loading.

## CUSTOMER SPECIFIC SOLUTIONS

The modular design accommodates a broad spectrum of customer specific solutions. For example, these include pre- and post-processing measuring of the gears, offload of parts to SPC drawer, spinning off excess oil, deburring and laser marking.

## SIMPLE INTEGRATION INTO THE PRODUCTION PROCESS

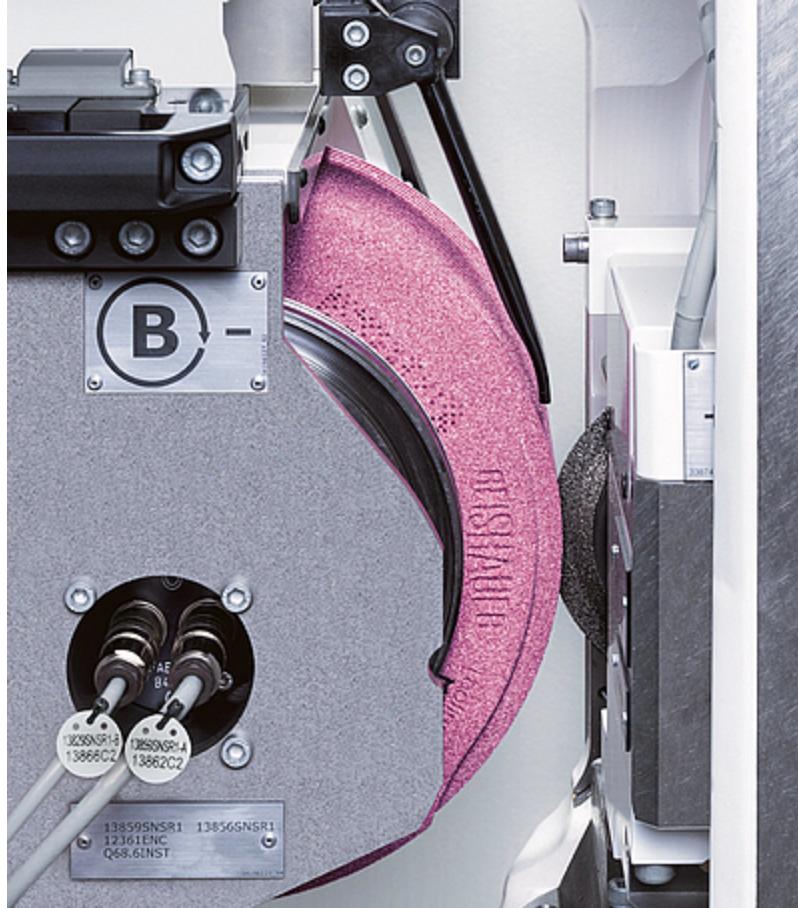
Whatever the part carriers; conveyor belts, stacking cells, baskets or pallets, Reishauer automation supports any type of part supply system. It can be simply integrated into existing transfer lines. Additionally, it also offers comprehensive solutions for the layout definition of new material flows.

[find out more](#)



## BECAUSE WE MANUFACTURE TOOLS PERFECTLY ADAPTED TO THE PROCESS

As the solution supplier for the continuous generating process, we know: The best machines need the best tools.



## GRINDING WHEELS

Our grinding wheels hold form and maintain their free-cutting ability even when subjected to heavy cutting loads. Our in-house production guarantees consistency from batch to batch, and by extension, an optimal process stability to the customers.

## DIAMOND DRESSING TOOLS

Highly accurate parts require highly precise diamond dressing tools. Because we have developed the continuous generating grinding process, we can design appropriate dressing tools and optimise them for a long service life.

## WORKHOLDING

Our fixtures are distinguished by their outstanding concentricity, long service life and reliable functionality. Fine-tuned to specific customer parts, they are an important part of our performance portfolio.

Find out more about our Tooling

BECAUSE WE HAVE REDEFINED THE  
TOTAL MANUFACTURING PROCESS OF

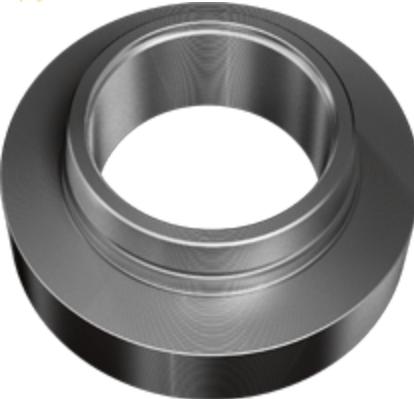
# GEARS

## GEAR MANUFACTURING REDEFINED

Joining forces with Felsomat was a further step in the systemic integration strategy to extend our competency to the complete gear manufacturing process: from a gear blank to a perfect gear.

Today, the Reishauer Group is the solution supplier for the manufacture of gears. By bringing together competencies covering products, processes and technologies, we can ensure efficient and high-quality gear manufacturing across the whole process chain.

For our customers, with uncomplicated planning, start-up and operation, this translates into the most efficient production line for gears manufacture.



Soft Turning



Hobbing



# BECAUSE WE SERVE OUR CUSTOMERS WORLDWIDE

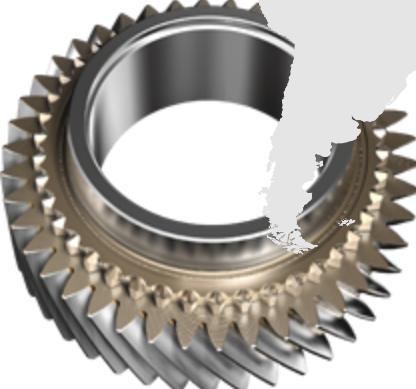
ON DUTY ANY TIME, ANYWHERE

Reishauer views itself as a partner. We do not solely supply machines and tooling but also work out process solutions with and for our customers.

Heat Treatment



Hard Turning



Generating Grinding

Soft Turning

Hobbing

Laser Welding

Heat Treatment

Hard Turning

Generating Grinding

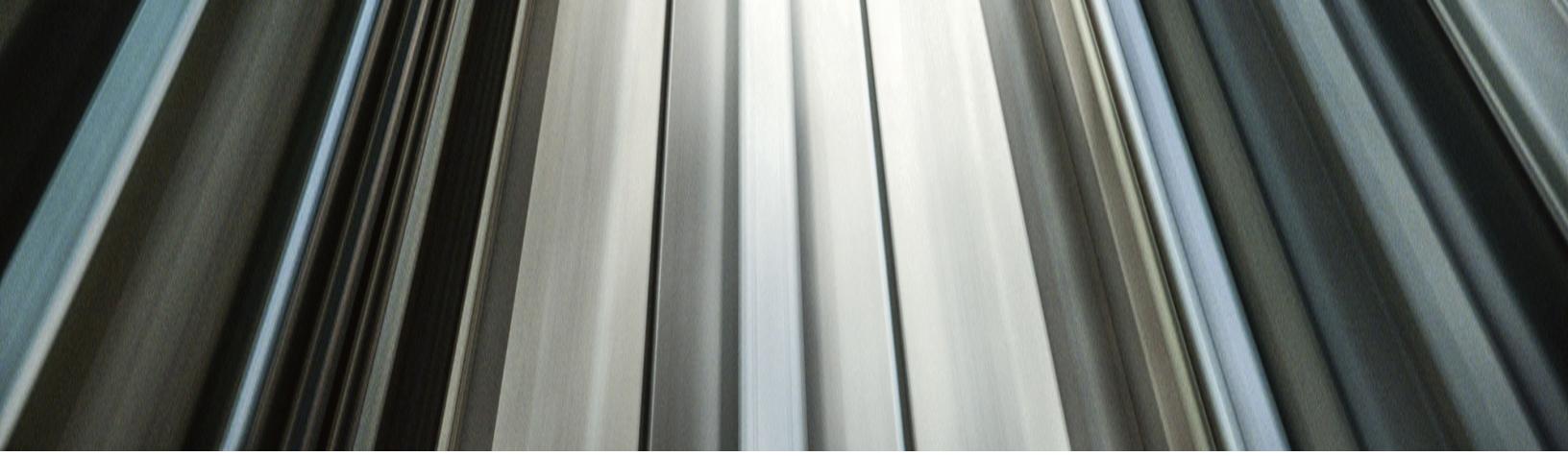


## BECAUSE REISHAUER GETS YOU FURTHER

The promise has tradition: Reishauer increases your competitiveness and therefore your success.







CONTINUOUS GENERATING GRINDING  
100%  
SWISS PRECISION