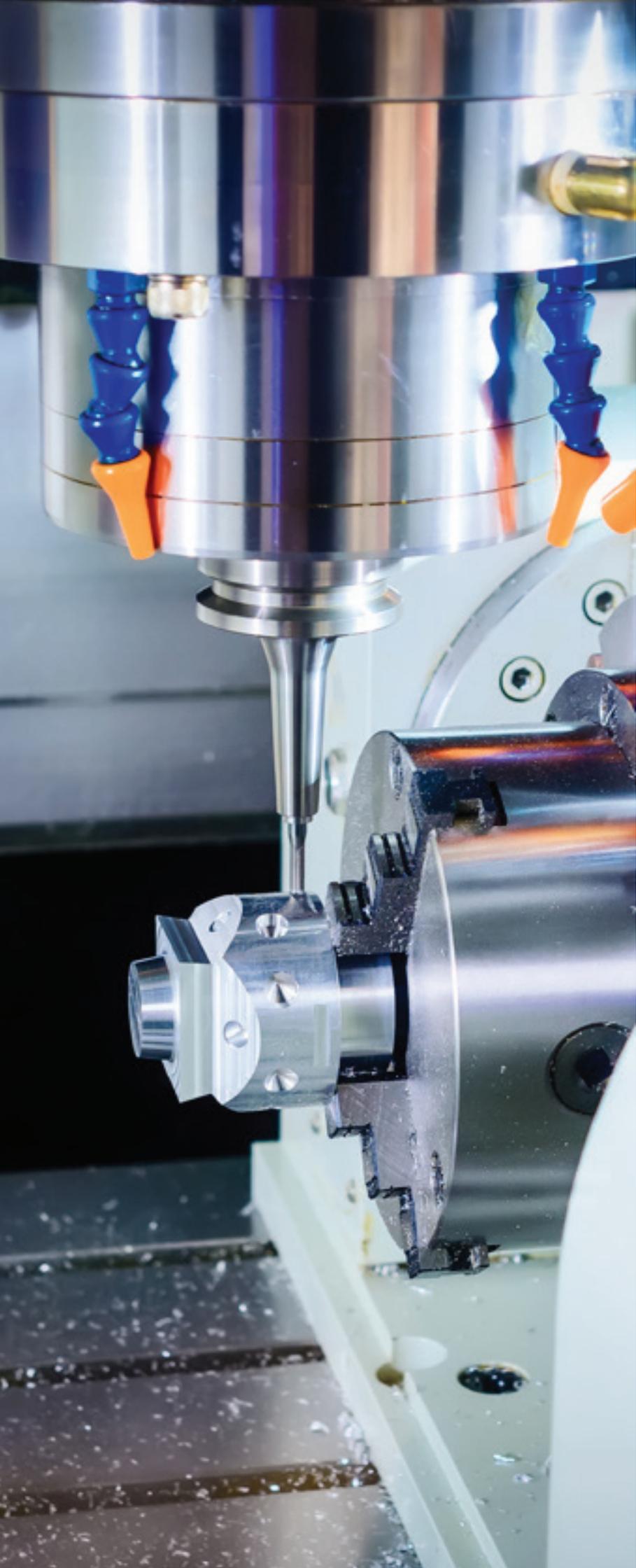


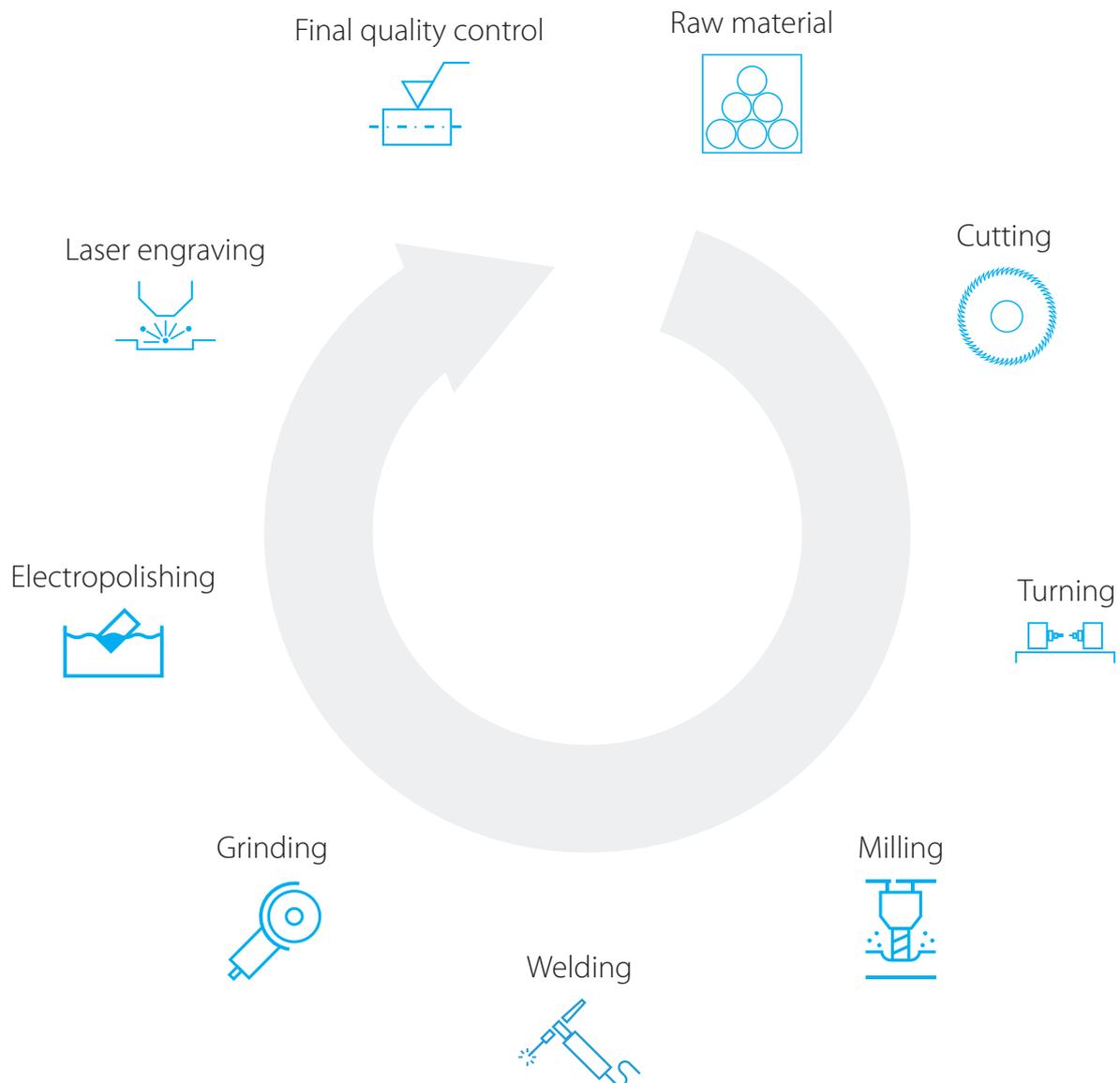
lean **key solutions**  
*engineering & manufacturing*



Your competent  
manufacturing partner



## ➤ Production processes



We are your competent partner having comprehensive manufacturing know-how in the production of single parts or large quantities.

Many years of experience and know-how in machining of complex and high-alloy materials form the foundation for the highest quality standards.

A broad range of raw materials and flexible production planning allows us very short response times and delivery dates accommodating customers needs.

Downstream operations such as welding, grinding, polishing and electropolishing complete our production and value chain.

Our quality system based on ISO 9001 enables us to consistently adhere to well-documented processes and guarantees consistent quality assurance of all our products.

Thanks to consistency, competence, experience and passion we guarantee our customers full satisfaction and long lasting commercial relations.

## ➤ Excellence in manufacturing

We are a young, owner-managed company with headquarter in Wil / ZH. In addition to our engineering department, we manufacture standard and custom made products primarily for fine chemical, pharmaceutical, biotech, food and medical sectors.

Our competent employees have many years of experience and know-how in precise and complex

production of components and products that guarantees prompt, continuous, open and relevant interaction between customers and our specialists.

Our in-house engineering department supports our customers in the areas of functionality, production optimization, selection of materials and surface quality.





Our raw material warehouse includes vast quantities of different stainless steel including acid-resistant stainless steel as well as heat resistant nickel base alloys in the most common dimensions.

A stamping authorization according to PED 97/23 / EC guarantees correct and consistent documentation and ensures the full traceability of the manufactured products.

Type of acid-resistant stainless steels

1.4301

1.4435

1.4305

1.4539

1.4404

1.4571

Type of heat-resistant nickel base alloys

2.4602 (Hastelloy C22)

2.4610 (Hastelloy C4)

2.4819 (Hastelloy C272)



Fully automated raw material cutting

Ø 4 - 365 mm

up to 6000 mm in length

Whether cutting or off-the-shelf production, every step of our production process starts with our internal raw material automatic cutting.



From simple 2-axis lathe machines to double spindle turning and milling centers we offer a wide range of production capabilities.

For products outside our machining range we do have a wide network of specialist certified collaborators.

Technical specifications

Ø 4 - 365 mm

900 mm length

double spindle 6-axis



With modern 5-axis milling machines, coupled with our CAM system, we also master highly complex surfaces and geometries.

Technical information

5-axis simultaneously

horizontal & vertical



From simple welding work to pressure vessels, our highly qualified and certified welders have the following approvals.

EN IS 9606-1

EN287-1 / EN14732

Welding processes

TIG / TIG Hand Welding

TIG / TIG Orbital Welding

MIG / MAG Hand Welding

CNC - Laser Welding



Whether metal-blanc, sand blasted or polished we deliver all of our products in the customer desired specifications surface quality.

Surface quality

up to Ra  $<0.2\mu\text{m}$

high polish finish



Electropolishing bath dimensions

3000x650x800

Pickling bath dimensions

3000x950x800

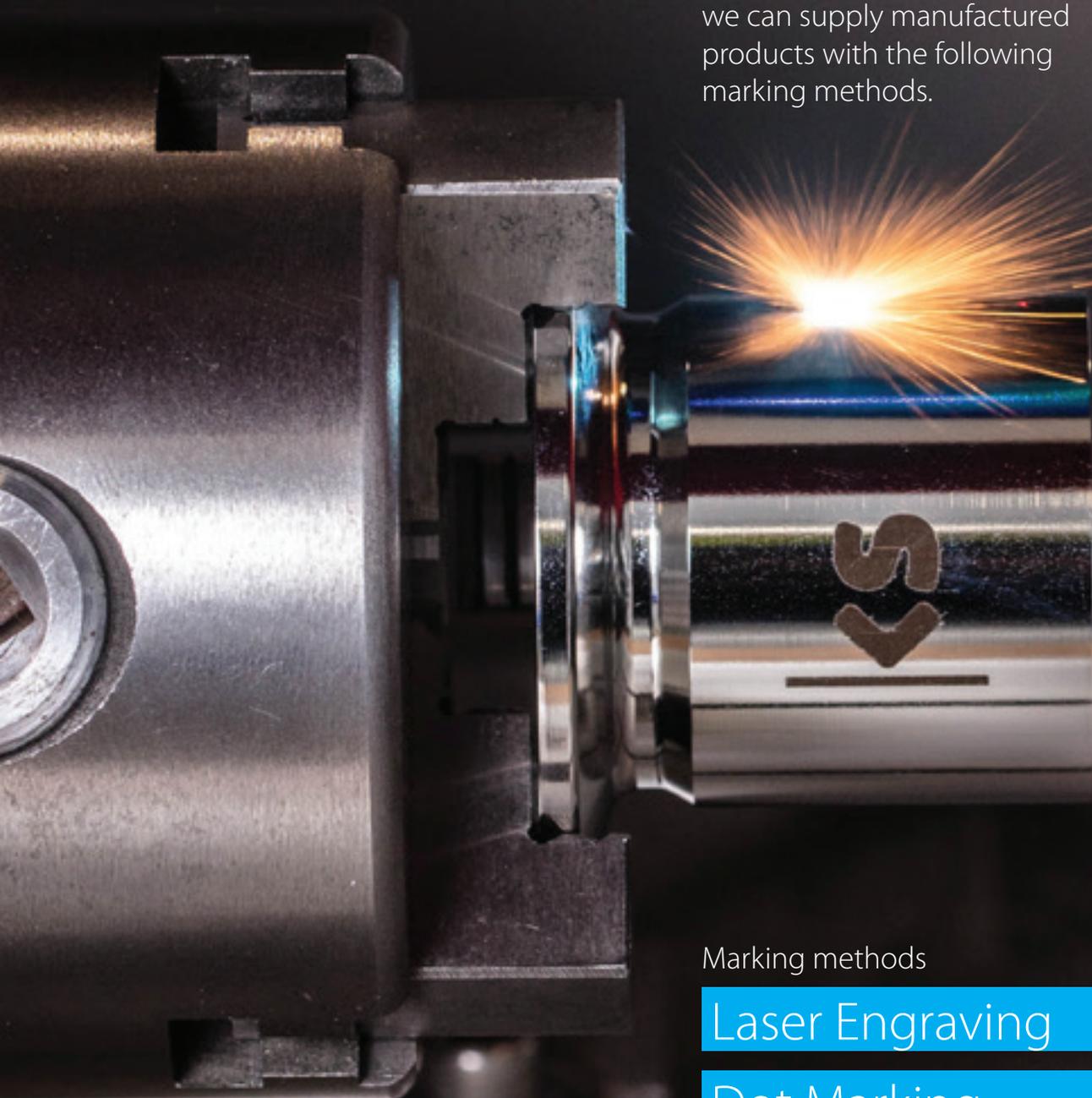
Electrochemical polishing and deburring improves a number of crucial properties of metallic surfaces in one single operation. High quality and functional surfaces are achieved in a wide variety of requirements.

The removal of irregularities takes place on a microscopic level and can be processed with high accuracy.





Depending on specifications or customer requirements we can supply manufactured products with the following marking methods.



Marking methods

Laser Engraving

Dot Marking

Chemical Etching



Our products are tested and verified for dimensional tolerance, shape, positional tolerances and surface quality by means of calibrated measuring equipment and documented accordingly to customer's request.

Quality control

Tolerances

dimensional tolerance

Surface quality



➤ LKS stands for

## Production depth and production diversity

From machining of raw parts to mechanically polished and electropolished components, you will obtain all services from a single reliable source.

## High quality and express services

Is time a critical factor? Our express department will provide high-quality first prototypes or small batches in the shortest possible time according to your requirements.

## Customer proximity thanks to the workshop in Switzerland

Despite increasing international competition, we are committed to the Swiss market and rely on customer proximity.

## A wide range of manufacturing possibilities

From 4 mm to 365 mm in diameter and a maximum length of 900 mm, we offer a wide range of production solutions.

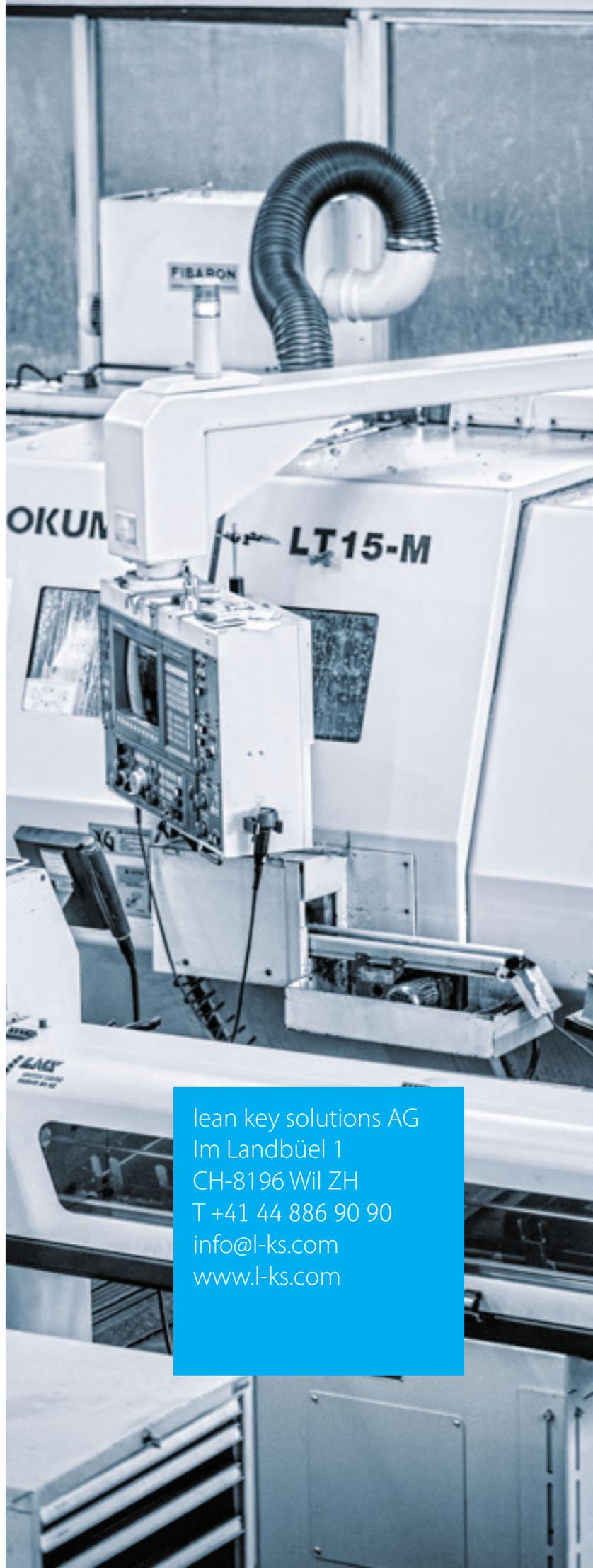
## Many years of experience in production technology

Our extensive knowledge as well as our many years of experience in production of complex products and finishing technology are among our main strengths.

## Pickling, passivating and electropolishing

Our galvanic department consists of a passivation and pickling bath as well as a large electropolishing plant for final treatment and refining of your products, of course all in accordance with validated procedures.





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