

LEDINEK

**MECHANICAL
ENGINEERING
AND
PROCESSING**

Lestro - Ledinek



We are always looking for innovative solutions for our high-performance machines and everything we make and create is done with passion, dedication and pride, that is why our company is growing and thriving. The production of semi-finished products and machine parts is based on high quality materials, perfection in work, many years of experience and our own know-how in the field of mechanical engineering.

We have strong connections with our customers who have recognized us as a reliable partner. We look forward to new projects and new challenges that encourage us to develop further. We work for our common sustainable future.

Gregor Ledinek



THE COMPANY

LESTRO-LEDINEK d.o.o. grew out of a family craft, from which we first developed into a renowned manufacturer of barrel and joinery machines, and later expanded our product range to become a leading manufacturer of unique woodworking machines. As a leading exporter, we have presented our innovations at specialised trade fairs all over the world and have received numerous awards both at home and abroad. We are proud of our long tradition and extensive knowledge in the field of mechanical engineering, which we are constantly developing and improving.

In recent years, enriched by many years of experience in the field of mechanical working, we have shifted our focus and specialised in the manufacture of technically demanding machine parts and components derived from the precise documentation of our customers, which has become our comparative advantage.

Our advanced machining equipment, with numerically controlled machines (CNC), allows us to automate machining processes and ensures the production of products with an extremely high degree of precision, while speeding up machining processes. We are committed to continuous development and innovation, which keeps us one step ahead of the competition in the fast-changing world of technology.

QUALITY WITH TRADITION

We guarantee the high quality of our products and services. All materials used in the production of semi-finished products and machine parts are of EU origin and certified.

We have been processing with dedication, precision and care for fifty-five years:

- carbon steels
- alloy steels
- ordinary structural steels
- stainless steels
- copper and brass
- aluminum and its alloys
- plastic



INDEX

CUTTING OF MATERIAL	6
CLASSIC MILLING	7
CLASSIC TURNING	8
CNC TURNING	9
CNC MILLING	10
TOOTHING AND BROACHING	12
GRINDING	13
MANUFACTURE OF MACHINE PARTS	16
MANUAL FINISHING	17
BALANCING	18
SURFACE PROTECTION	19
PRODUCT CONTROL	20
VISION AND MISSION	22



CUTTING OF MATERIAL

We cut materials using shears, band saws, plasma and flame CNC machines. The plasma CNC cutter is equipped with a 3D cutting head, which also allows cutting of welding phases.

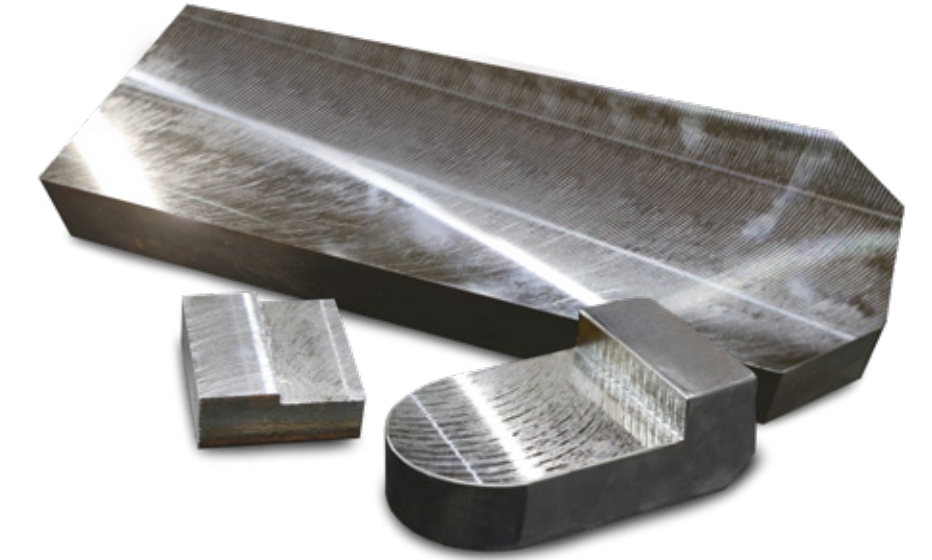


DESCRIPTION	TECHNICAL SPECIFICATIONS
bar material	620 x 400 (Ø420)
Sheet metal	6.000 x 2.000 x 120



CLASSIC MILLING

Conventional milling of metal and non-metal products. Our largest weldment processed weighed 43 tonnes and had dimensions of 19000 x 2800 x 2800 mm.



DESCRIPTION	TECHNICAL SPECIFICATIONS
surface milling	1120 x 345 x 400
circumferential milling	1000 x 300 x 425
conventional milling of larger workpieces	18.000 x 4.000 x 3.000

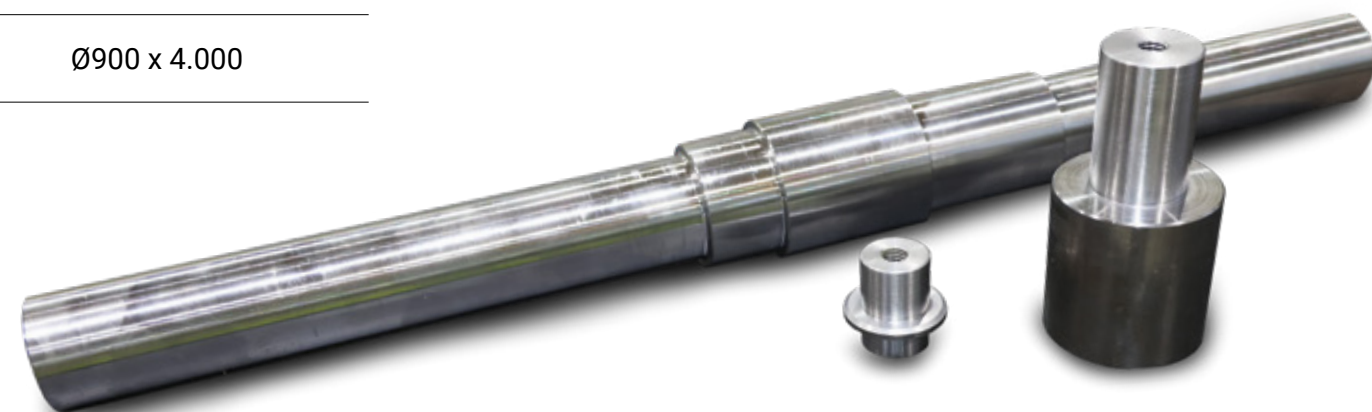




CLASSIC TURNING

We carry out conventional turning of complex metal or non-metal products. We produce unique items or small batches.

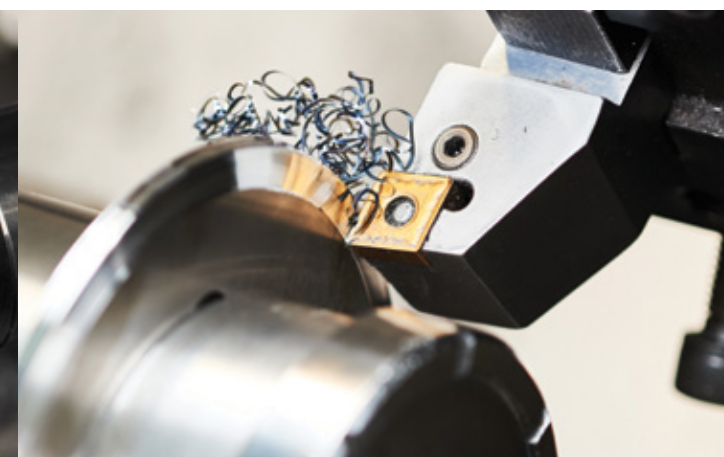
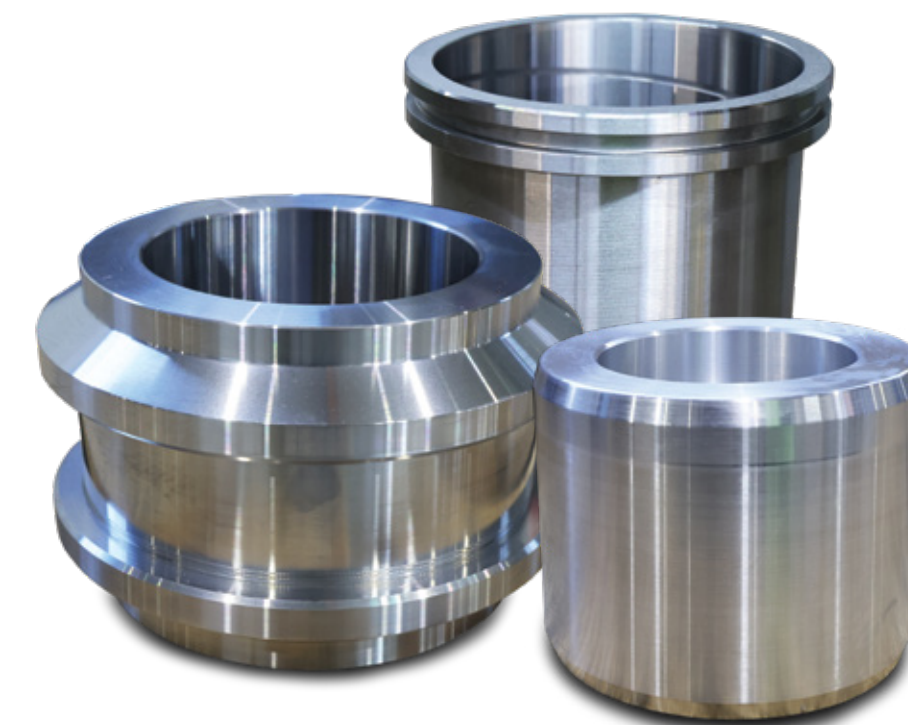
DESCRIPTION	TECHNICAL SPECIFICATIONS
conventional turning of small workpieces	Ø60 - Ø260 x 1.500 - 2.000
conventional turning of larger workpieces	Ø900 x 4.000



CNC TURNING

CNC turning of complex metal and non-metal products. We guarantee accuracy to 0.01mm.

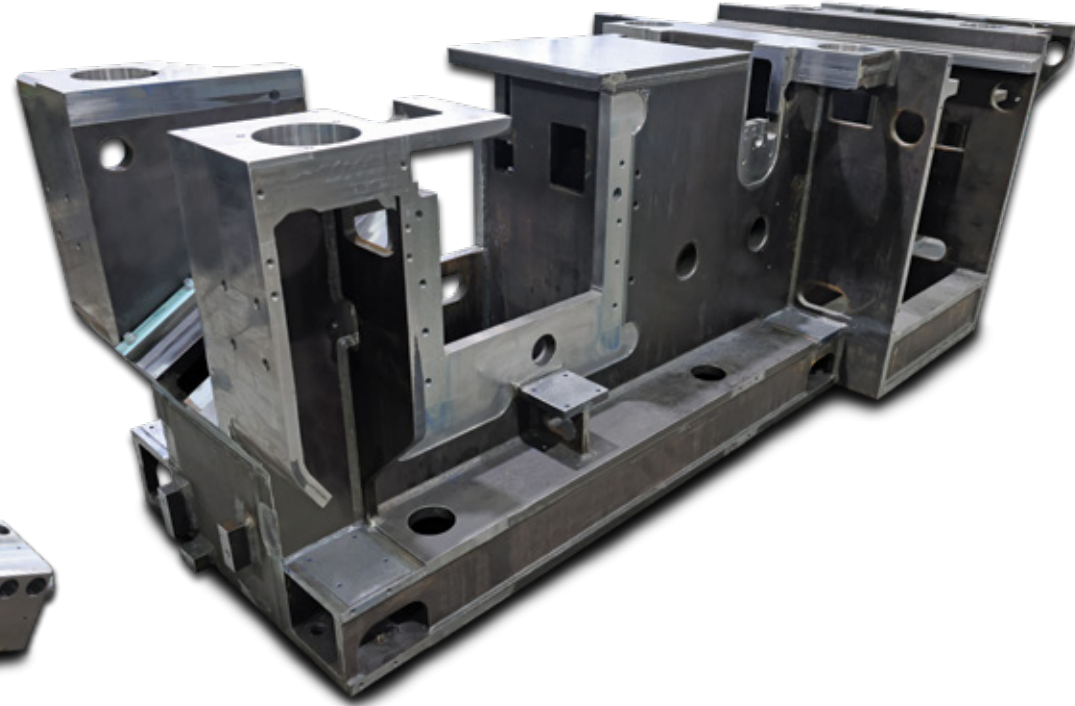
DESCRIPTION	TECHNICAL SPECIFICATIONS
CNC turning with feeder	to Ø43
CNC turning	Ø400 x 350 Ø200 x 400
CNC turning + milling	Ø700 x 3140



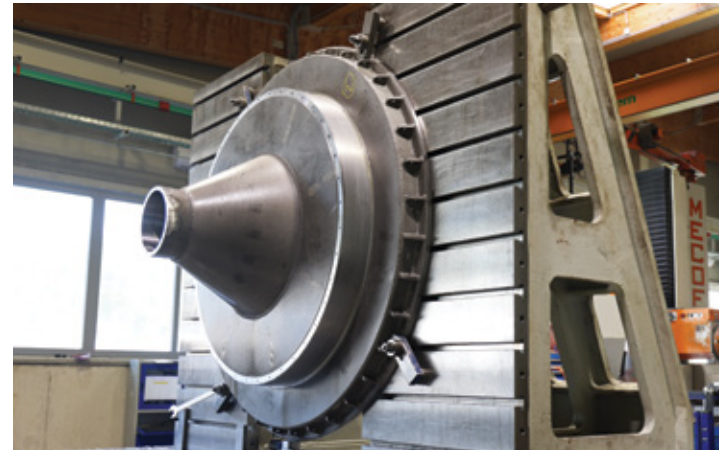


CNC MILLING

We perform high-quality CNC machining of large workpieces. Accuracy up to 0.01mm is guaranteed. We specialise in the manufacture and machining of complex welded and cast frames.



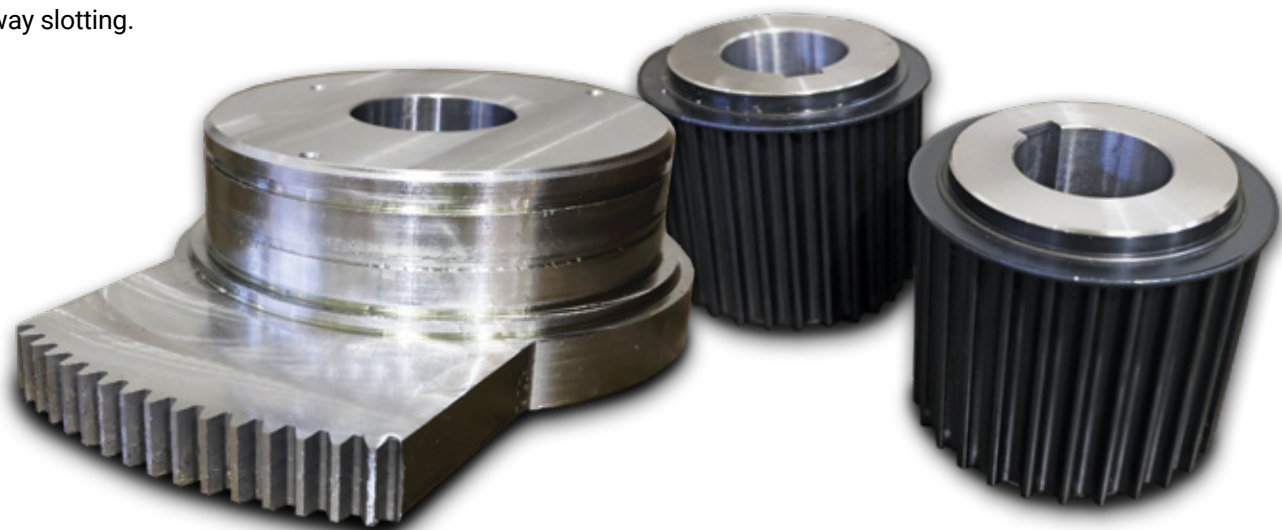
DESCRIPTION	TECHNICAL SPECIFICATIONS
CNC milling of small workpieces	3-axis 1400 x 600 x 600 5-axis 950 x 850 x 650
CNC milling of larger workpieces	5-axis Simultaneous machining 6.000 x 4.000 x 1.500 (x2.000)





TOOTHING AND BROACHING

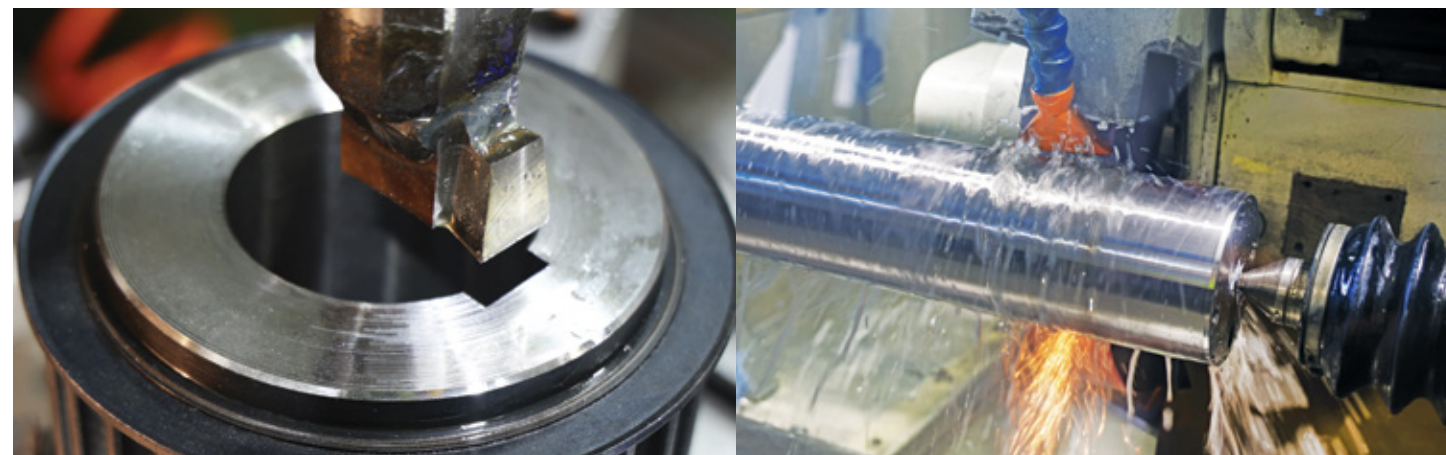
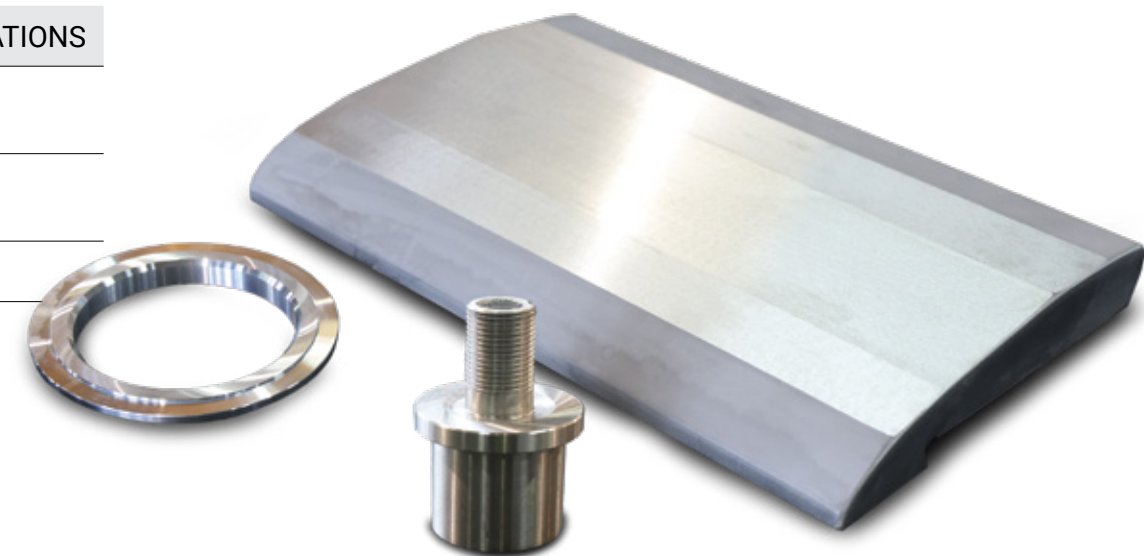
Tothing of sprockets and gears and keyway slotting.



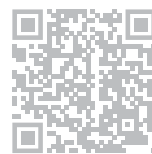
GRINDING

We perform surface and circular grinding of quality Ra 0.8. Accuracies of 0.005 mm for surface grinding and 0.0025 mm for round grinding are guaranteed. We have classic, NC and CNC grinding machines.

DESCRIPTION	TECHNICAL SPECIFICATIONS
external cylindrical grinding	Ø500 x 2.000
internal cylindrical grinding	Ø600 x 800
surface grinding	3.000 x 450







MANUFACTURE OF MACHINE PARTS

We specialize in the production and processing of complex welded frames. Our largest processed weldment weighed 43 tons and measured 19000 x 2800 x 2800 mm.

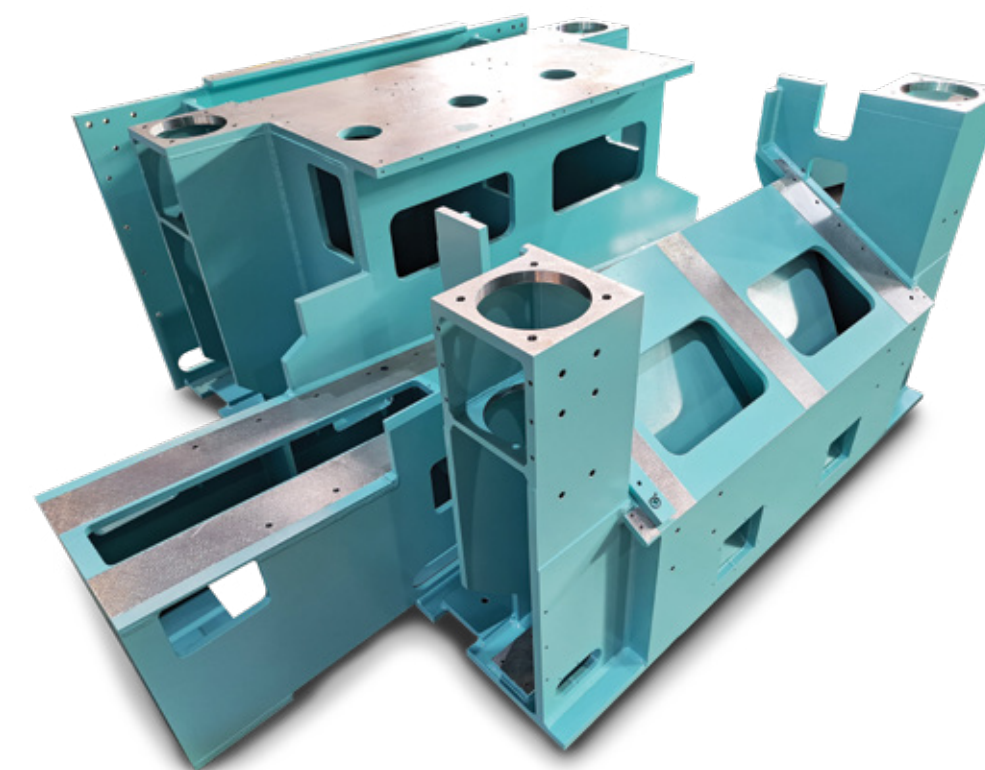
DESCRIPTION	TECHNICAL SPECIFICATIONS
assembly of complex frames and machine parts	to 3.000
assembly of non-complex mechanical parts - conveyors, chain arms,...	over 3.000

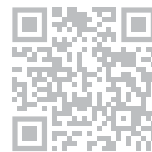


MANUAL FINISHING

We carry out demanding, manual locksmith work and scraping of contact and sliding surfaces.

- DEBURRING, THREAD CUTTING (in places inaccessible by machine)
- SCRAPING
- METAL CARPENTRY





BALANCING

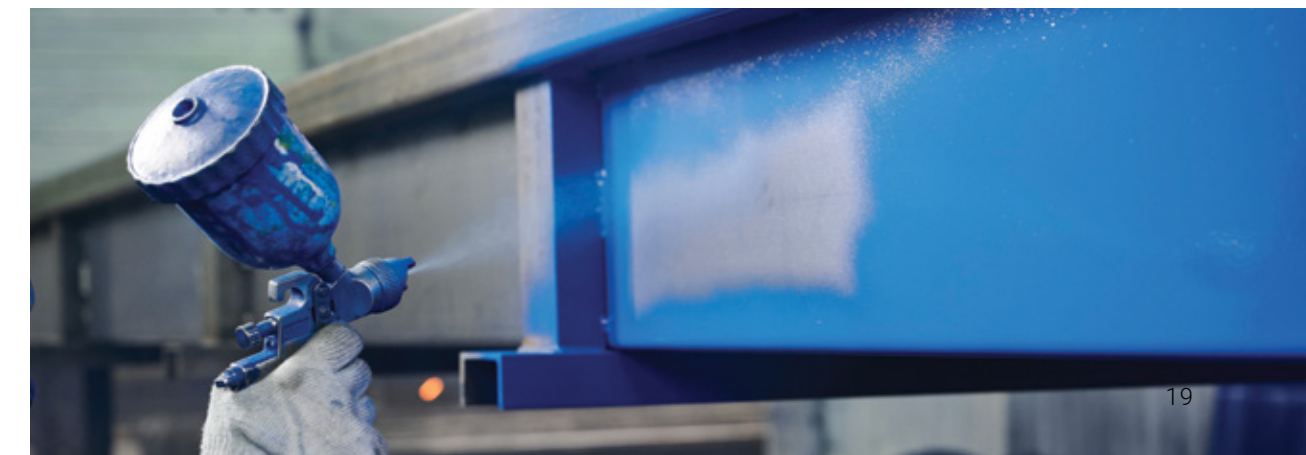
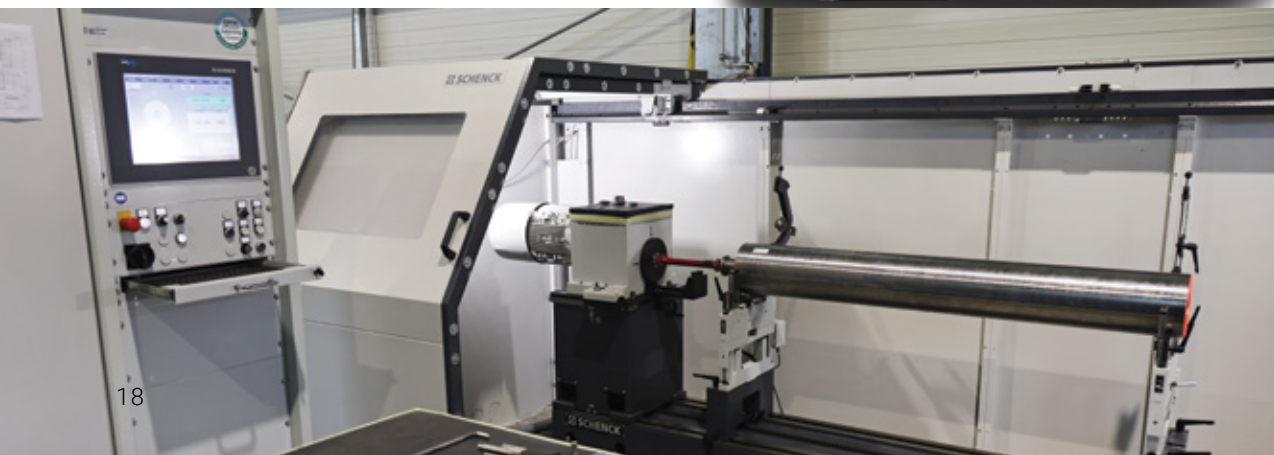
Balancing of rotating parts is carried out on a calibrated and certified balancing machine, which has the ability to printout of the measurement protocol. The balancing accuracy is in class G1.

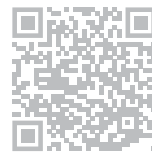


SURFACE PROTECTION

WET VARNISHING

We provide surface protection with high quality two-component paints according to EN ISO 12944-2 (class C3 and C4) in application thickness up to max. 180µm.





PRODUCT CONTROL



To achieve the high quality and relevance of our products, precision machining and control of our products is essential. This is how we improve the efficiency of our production and the satisfaction of our customers. In our measuring room we use:

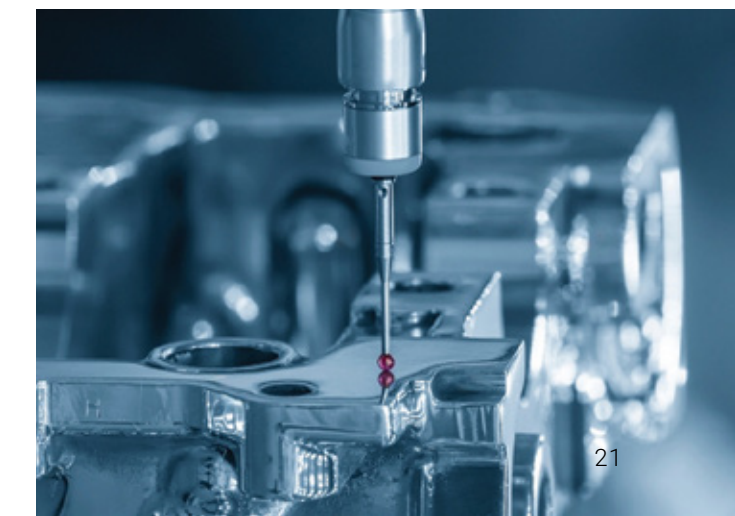
Leica Absolute Tracker AT960-MR

is a cutting-edge laser tracker that provides highly accurate and fast measurement of large frames within a radius of 20 m in three dimensions. It provides max. error of length measurements at 20 m $\pm 96 \mu\text{m}$.



CMM measuring machine
GLOBAL S SCAN+ 12.22.10.

The measuring range of the machine is 2.200 X 1.200 X 1.000 mm and within the measuring range, on the length of the 2.200 mm, provides a max. error of 8 microns, which is in accordance with ISO standard 10360.



VISION

To become a renown manufacturer of high-quality, technologically advanced machine parts and components in the global market and to gain a significant market share in this production segment, while ensuring business continuity and optimal capacity utilization. Our goal is to become an industry leader that sets new standards in quality, innovation and social responsibility.

MISSION

Our dedication to engineering and more than 55 years of experience in innovative machine construction lead us to create solutions for the wood industry. We are committed to producing high quality parts and semi-finished products for machinery and equipment that enable the efficient processing of wood and its use in the sustainable construction of houses and buildings.

We preserve the specific technical know-how acquired over generations and carefully pass it on to the younger generations to develop and upgrade it in line with the evolution of the profession.


#mismoledinek




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