

List of Machines

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Turning technology

On our versatile lathes, we can reliably manufacture complex and high-precision parts with μ -level accuracy. We are able to work with materials such as free machining steel, case hardened steel and highly tempered steel, as well as aluminium, in diameters of roughly 4 to 200 mm. Volume production batches vary between 100 and 500,000 units.

Overview of the machines in turning technology	
Turn-mill center Traub TNX65	CNC Swiss type automatic lathe Star Lagro SV-20
Turn-mill center Index G200	CNC Swiss type automatic lathe Star Lagro SV-32
Multi-spindle machine Index MS22	CNC Swiss type automatic lathe Star Lagro SR-38 A
Multi-spindle machine Index MS32P	CNC Swiss type automatic lathe Star Lagro SR-38 B
Multi-spindle machine Index MS40	CNC Swiss type automatic lathe Star SR-20IV-A
Multi-spindle machine Index MS42C	CNC Swiss type automatic lathe Star SR-20IV-B
Production turning machine C100	CNC Swiss type automatic lathe Star SR-20R IV type A
Production turning machine C200	CNC turning machine Gildemeister CT-40
CNC turning center Mazak Quick Turn Nexus 200MSY	Vertical turning center Index V100
CNC turning center Mazak Quick Turn Nexus 250MSY	Conventional lathe Graziano sag12
CNC turning machine Mazak Multiplex 6200Y	Conventional lathe Graziano sag210
CNC turning machine Mazak Multiplex W-200Y	Conventional lathe Weiler DA210
CNC turning machine Mazak Multiplex 620	

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Sawing technology

Bandsaws are used by IWN for separating and cutting solid material as well as pipes, tubes and profiles.

Overview of the machines in sawing technology	
Bandsaw Kasto Twin AE4 Serie 106	Bandsaw Shark 200
Straight-Cutting Bandsaw HBE261A Dynamic	

Milling technology

Our extensive range of milling machinery allows us to manufacture μ -accurate milled parts. We can handle clamp settings of up to 2,000 mm on the X axis, 800 mm on the Y axis and 720 mm on the Z axis. The raw materials used are primarily stainless steel and free machining steel, as well as aluminium, cast metal and forged metal. Any size of production run is possible, from single units to larger series.

Overview of the machines in milling technology

Machining center Stama MT 734 2c	Machining center Mazak VTC 800
Machining center Mazak HCN-5000	Machining center CHIRON FZ-12
Machining center Mazak H400-6N	Machining center CHIRON FZ-16
Machining center Mazak Nexus VC-510C	Machining center CHIRON FZ-18
Machining center Mazak H630-2P	Machining center Stama MT 733-Two

Surface technologies

We offer universal downstream manufacturing options, including:

- Hard turning
- Internal and external grinding
- Centreless grinding in recesses and through-holes
- Blind hole and through-hole honing
- Drag finishing
- Thermal deburring
- etc.

These enable us to meet our customers' requirements perfectly from a production perspective.

Overview of the machines in grinding and honing technology

Flat grinding machine Okamoto PSG-63 UDX	Circular grinding machine Studer S140CNC
Circular grinding machine Lidköping CL-4-B	Circular grinding machine Studer S33CNC
Centerless grinding machine Tschudin ecoLine 400 CNC	Honing machine Gehring S3-400-45
Circular grinding machine Studer S21CNC	Honing machine PEMAMO MRL 150
Circular grinding machine Studer S32CNC	CNC honing machine Sunnen CGM-5000

Overview of the machines in deburring, washing, pickling, brushing, conserving technology

Deburring machine Kadia EMC 0-15 ASR	Roller burnishing machine Baublies RM 2/35
Brushing machine Kadia 1EMC-15A-S	Washing machine for aqueous solutions Branson MF-2418-5S
Drag finishing machine OTEC DF-3 Wet	Cleaning system REK Fluid Cleaner 15000/2-V
Thermal deburring machine Bosch TEM-P80	Thermal deburring machine ATL - iTEM320

Hardening & surface treatment

With our renowned partners, we complete various surface treatments (galvanic coating, chromating, anodising, hard-coating, varnishing etc) and corresponding heat treatments (case hardening, inductive hardening, nitrating etc) with much experience.

Laser hardening system Stiefelmayer 281058

Metrology

We safeguard our processes and guarantee quality using modern, comprehensive measurement and testing systems. Anyone who plans to manufacture precision parts must – as we firmly believe – have suitable metrological equipment available in-house. We expect the same high standards as our customers!

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Overview of the machines in measuring technology

3D measuring instrument Wenzel LH 87	Portable surface roughness tester Mitutoyo Surftest – 201
Adjustment / measurement instrument Zoller Hyperion 500	Contour measuring station Mahr Perthometer PCV
Micro-hardness tester Leitz Durimet	Laser Scan Micrometer Mitutoyo LSM-503
Form measuring machine Mahr MMQ 400 CNC	Optical profile measuring system Tesa Visio 200 GL
Portable surface roughness tester Mitutoyo SJ 400	Optical profile measuring system Tesa Scan 52