

From single precision parts to high-volume production: **machining, metal fabrication, casting, plastics and additive manufacturing**, with a single point of contact.

MACHINING

CNC milling	3, 4 and 5 axes · large parts up to 3,000 × 2,000 × 2,000 mm · temperature-controlled workshop
CNC turning	Lathes up to Ø2,000 mm and 4,000 mm in length, small batches from 1 part · Swiss-type bar turning from Ø1 mm, small batches from 100 parts · mill-turn (C and Y axes) · temperature-controlled workshop
Grinding	Cylindrical up to Ø480 × 4,000 mm · surface up to 2,400 × 500 mm · centerless, internal, profile, thread · honing Ø300 × 2,000 mm
Drilling	Deep-hole drilling Ø30 to 110 mm over 4,000 mm · horizontal boring 1,000 × 800 × 800 mm · jig boring
EDM	Sinker EDM up to 800 × 500 × 600 mm · EDM hole drilling Ø0.6 to 3 mm
Tapping / threading	M3 to M30 · thread rolling up to 1,000 mm

METAL FABRICATION

Fabrication	Welded assemblies · vessels and tanks, including jacketed · stainless steel piping · pressure equipment (PED)
Cutting	Sheet laser 4,000 × 2,000 mm (8 kW) · tube laser Ø254 mm · plasma 12,500 × 3,150 mm · wire EDM up to 1,000 × 630 × 500 mm · shearing 3 m / 8 mm
Bending	CNC press brakes up to 4 m / 320 t · 6-axis CNC tube bending Ø60 mm · tube rolling Ø139 mm
Stamping / pressing	Presses from 10 to 200 t · punching
Drawing	Draw bench 1,500 × 800 mm

CASTING, PLASTICS, 3D PRINTING

Casting	Die casting from 88 to 350 t · vacuum casting up to 1,200 × 1,000 × 1,000 mm
Plastic injection	80 to 250 t · two-shot · ABS, PA, PA+GF, PC, POM, PPS, PEEK, PEI/Ultem, TPE...
3D printing	SLA up to 1,400 × 700 × 500 mm · SLS (PA, PA+GF) · metal SLM: 316L stainless, CoCr, Ti-6Al-4V

WELDING AND ASSEMBLY

Welding	Qualified stainless TIG (ISO 9606-1) · MIG/MAG up to 500 A · laser · spot · butt · welding robots
Assembly	Assembly, welding and industrialisation (process engineering)

WELDING CERTIFICATIONS

Qualified stainless TIG welding · **NF EN ISO 9606-1:2017** · **PED 2014/68/EU**

Certified by	ASAP, notified body no. 0851 · certificate no. 620881-1815-861159
Validity	From 25/02/2026 to 24/02/2028
Process	TIG 141, validity extended to processes 142, 143 and 145
Materials	Austenitic stainless steel, group 8.1 (ISO/TR 15608) · filler metal FM5 · I1 shielding gas, face and root side
Joints	Full-penetration butt welds · single or multi-run fillet welds · branch connections $\geq 60^\circ$ · pipe and plate
Dimensions	Pipe from Ø9.5 mm · thickness from 1 mm (tested from 1 to 12 mm)
Positions	Qualified in H-L045 (pipe inclined at 45°): PA to PF, plus PH on pipe
Testing	Visual, radiographic and macro examination passed · PED essential requirements, Annex I §3.1.2

TREATMENTS AND FINISHING

Surface treatments	Anodising · nickel plating · electropolishing · hard chrome plating · black oxide · phosphating · SurTec 650 · painting
Heat treatments	Vacuum hardening · tempering · case hardening · nitriding
Polishing / finishing	Grit polishing · mirror polishing · electropolishing · flat and cylindrical polishing · vibratory finishing · glass bead blasting · sandblasting · deburring

QUALITY CONTROL

Metrology	3D CMM up to 2,000 × 2,000 mm (Mitutoyo, Wenzel, Nikon, Hexagon) · roughness, roundness, contour · profile projectors · Rockwell and Vickers hardness
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