

1 | Tool Shop Machinery

NC Milling machines

· Mecof CS 50 Unica	Heidenhain TNC 426 with automatic tool charger	4000 x 1800 x 1000
· Mecof CS 500 Agile	Heidenhain TNC 430 [21000 rot/min]	4000 x 1000 x 1700
· Mecof CS 105	Heidenhain TNC 430	4300 x 1700 x 1000
· Maho MH 1600 S-432 CNC		1600 x 800 x 800
· Anayak 2000 VH	Heidenhain TNC 430 M	2000 x 1200 x 1050
· Soraluce TA-25	Heidenhain TNC 430 with automatic tool charger and internal cooling	2500 x 1200 x 1250
· DMU 50T [3+2 axis]	with automatic tool charger	500 x 400 x 400

High speed milling

· Matsuura MC- 800 VF		[15000 min.-1]	800 x 440
· Ops-Ingersoll High Speed Eagle v9		[45000 min.-1]	800 x 600 x 500
· Hermle C400 5 axis milling		[18000 min.-1]	850 x 700 x 500

Test presses

· EAGLE	clamping force: 250 T	max. mould dimensions:	3700 x 2000 x 2300
· Reis TUS 160	clamping force: 100 T	max. mould dimensions:	1600 x 2000 x 1600

Deephole drilling

· Deephole drilling IXION TL 1000 S CNC3		max. diameter deep:	32 x 1200
		range:	2000 x 1000

Spark erosion machines

· Ingersoll - Gantry 2000		2000 x 3200 x 1350
· Ops-Ingersoll Gantry Eagle 800		550 x 850 x 450

Jig grinding machines

· Hauser 5 SM		700 x 500 x 650
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Cylindrical grinding machines

· Jones & Shipman 1300X		diameter:	300 x 1300
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Surface- & profile grinding machines

· Blohm	HFS 512	1200 x 500
· Jung	JF400	400 x 150
· G+H Schleiftechnik	FS 420 Z CB	400 x 200

Lathes diam. x l

· Yamazaki Mazak		460 x 1000
· Weiler Praktikant		

Measuring room

· Wenzel software supported measuring equipment		2000 x 1500 x 1800
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Heat treatment shop

· Snijstaal heat treatment station		350 x 250 x 750
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Hot Runner Controller

· PSG profiTemp	48 channels	
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Saw Machine

· Wagner band saw		cap. 550 x 450
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Conventional Welding

- Cebora
- Cebora

Inverter 200 A
Invertig 400 A

Mobile laser welding

- Alphalaser ALM ISOww

CAD/CAM Unigraphics NX with translators x2

- Catia V4
- Catia V5
- DXFDWG
- IGES
- STEP
- PARASOLIDS

- DNC connections with machines
- CAD/CAM database for every client or job

Lifting capacity [Bridge Cranes]

- 2 x 1 x 4 T
- 1 x 1 x 12 T
- 1 x 2 x 15 T
- 2 x 1 x 16 T
- 1 x 2 x 16 T
- 2 x 2 x 20 T
- 1 x 1 x 30 T
- 1 x 2 x 50 T

Transportation - Logistics

- 4 x Fully equipped intervention vehicles

2 | Surface Technology

SURCO Texturising equipment

Mobile SURCO treatment facility

Roughness, profile and gloss measurement devices

SURCOLUBE coating facility

3 | Trials and Process Optimization

Plastic injection machinery

- Krauss Maffei KM 1000 – 14700 MC
max. mould dimensions:
Robot SEPRO S7-45 TE Axial
clamping force: 1000 T
1400 x 1120 x 1670
- Battenfeld HM4500/2800
clamping force: 450 T
- Other clamping forces on request

4 | Mould Storage Facility

