

OVERVIEW OF THE FULL MACHINERY PORTFOLIO

Hirschmann Automotive's sites have a total of **58 machines**, distributed across **six technology clusters**. The largest capacities are located at the Rankweil (AT) and Vsetín (CZ) sites, each with 23 machines, supplemented by Târgu Mureş (RO) and Nantong (CN), each with 6 machines.

The machines in use cover a range of machining sizes—from precise micro-machining to larger tool components—and form the basis for reproducible quality and stable tooling processes.

Technology	#	Dimension
Milling Soft	13	1,000 x 1,100 x 750 mm
Milling Hard	1	540 x 635 x 400 mm
El.-Milling	5	42,000 1/min
Grinding	12	600 x 1,200 mm
Sinkeroding	15	420 x 300 x 400 mm
Wire Eroding	12	400 x 300 x 250 mm

58 MACHINES
across 6 technology clusters

Machine Overview

The entire machine portfolio is divided into six technology clusters:

- » HSC & Precision Milling
- » Milling Technology (Hermle)
- » Die-Sinking EDM
- » Wire EDM
- » Grinding Technology
- » Peripherals & Automation

HSC & Precision Milling

Compact Overview of High-Speed and Micro Milling

Röders	
Working Area	540 x 635 x 400 mm
Swivel Range	+/- 115 degrees
Rotation Range	virtually unlimited
Max. Workpiece Weight	200 kg
Feed Rate	0-60,000 mm/min
Milling Spindle	36,000 rpm, 15 kW, HSK E50
Machine Weight	approx. 10.2 t

Kern Micro	
Speed	42,000 rpm
Acceleration	2 G
Rapid Traverse	45 m/min
Tool Positions	110
Table Load	50 kg



Milling Technology (Hermle)

Advanced Milling Capabilities for Detailed and Accurate Tooling

Hermle C12u

Working Area	350 x 440 x 330 mm
Jaw Width	430 mm
Rotation Speed	18,000 rpm
Rapid Traverse	30 m/min
Table Load Capacity	100 kg



Hermle C250

Working Area	450 x 600 x 330 mm
Jaw Width	470 mm
Rotation Speed	18,000 rpm
Rapid Traverse	30 m/min
Table Load Capacity	300 kg



Hermle C32u

Working Area	650 x 650 x 500 mm
Jaw Width	635 mm
Rotation Speed	18,000 rpm
Rapid Traverse	45 m/min
Table Load Capacity	1,000 kg

Hermle C32u RS1

Working Area	650 x 650 x 500 mm
Jaw Width	635 mm
Rotation Speed	18,000 rpm
Rapid Traverse	60 m/min
Table Load Capacity	1,000 kg
Parts Handling	7 kg
Pallet Handling	70 kg

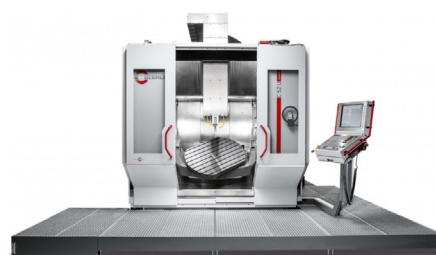
Hermle C42u

Working Area	800 x 800 x 550 mm
Jaw Width	700 mm
Rotation Speed	18,000 rpm
Rapid Traverse	45 m/min
Table Load Capacity	1,400 kg



Hermle C52u

Working Area	1,000 x 1,100 x 750 mm
Jaw Width	950 mm
Rotation Speed	18,000 rpm
Rapid Traverse	60 m/min
Table Load Capacity	2,000 kg

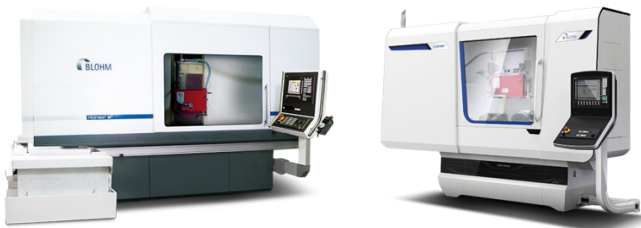


Blohm 408

Type	Surface Grinding Machine
Movement Range	400 x 800
Grinding Spindle Drive	15 kW
Rotation Speed	8,000 U/min
Weight	3.9 t
Setter	Table Setter

Jung 600

Type	Profile Grinding Machine
Movement Range	300 x 600
Grinding Spindle Drive	8 kW
Rotation Speed	5,000 U/min
Weight	4.5 t
Setter	Table and Head Setter



GrindingTechnology

Surface and Profile Grinding

Blohm 612

Type	Surface Grinding Machine
Movement Range	600 x 1,200
Grinding Spindle Drive	15 kW
Rotation Speed	8,000 U/min
Weight	6.7 t
Setter	Table Setter

Jung 630 D

Type	Profile Grinding Machine
Movement Range	300 x 600
Grinding Spindle Drive	10 kW
Rotation Speed	4,200 U/min
Weight	2.8 t
Setter	Table and Head Setter



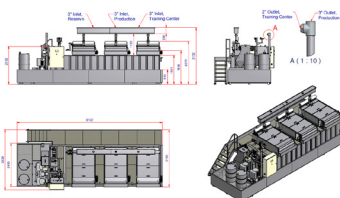
Peripherals & Automation

Coolant Supply and Automated Line

Belki Central Cooling System

Volume	15 m ³
Belt Filters	3x
Oil Skimmers	2x
Magnetic Filter	1x
Check System for Automatic Regulation of Fill Level and Concentrate	
Automatic Circulation	

Pressure Is Generated Directly at the Machines



Automated Line - Step 2

OPS Gantry Eagle 400	4x
Kern Micro	2x
Zeiss Duramax Coordinate Measuring Machine	1x
Mafac Java Cleaning System	1x
Rotary Magazine	5x



Die-Sinking EDM

EDM Technology for Precise Mold and Electrode Machining



Exeron

Pallet Spaces	5
Electrode Spaces	100
Movement Range	450 x 300 x 300 mm
Table Load	500 kg
Repair Machine	1
Spare Parts Machines	2 g



OPS Ingersoll – Gantry Eagle 400

Integrated into the Line	
Movement Range	420 x 300 x 400 mm
High Speed Jump	18 m/min
Table Load	500 kg
Jaw Width	535 mm

Wire EDM

Systems for Electrodes, Special Machine Components, and Complex Workpiece Geometries

Makino U3

Movement Range	370 x 270 x 220 mm
Max. Taper Angle	15 degrees
Max. Load	600
Area of Application	Electrodes, Wire EDM, Special Machine Components, and Spare Parts



Sodick SLC 400G

Movement Range	400 x 300 x 250 mm
Max. Taper Angle	45 degrees
Max. Load	500
Area of Application	Complex Components for Injection Molding Tools



3D Printing

Rapid Prototyping



SLS Printing

Printer	EOS Formiga P110 Velocis
Material	PA2200 (white)
Building Space	200 x 250 x 300 mm
Layer Thickness	0.12 mm

FDM Printing

Printer	Bambulab H2S
Material	PLA (Colors: black, white, blue, red, orange, yellow, green) PETG (Colors: black, blue) ABS (Colors: black, blue) TPU 95A (Colors: black) ABS GF (Colors: blue, red, green)
Building Space	340 x 320 x 340 mm
Layer Thickness	0.08 - 0.24 mm



SLA Printing

Printer	Formlabs Form 4
Material	Black, Tough 2000, Flexible 80A, Rigid 10k, Grey, Clear, Tough 1500, Fast
Building Space	200 x 125 x 210 mm
Layer Thickness	0.05 - 0.2 mm



**Do you have any questions?
Contact us!**

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