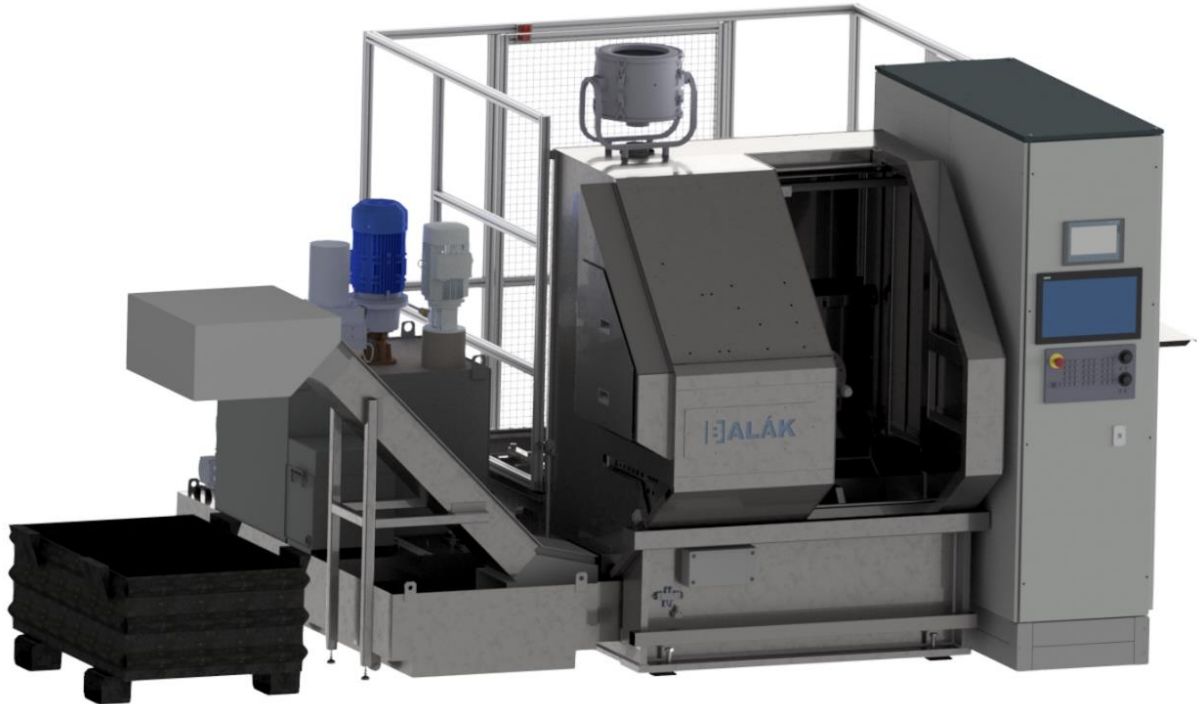




## **BUHL-1-30** Balak Universal Horizontal Lathe | 1 spindle | 30 kW

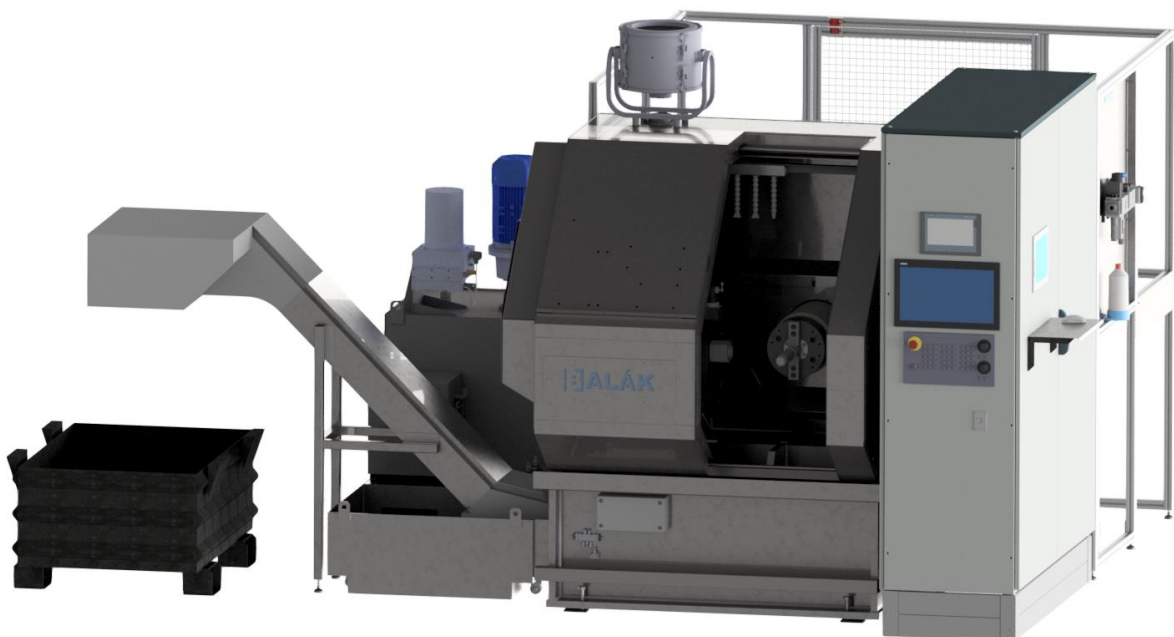


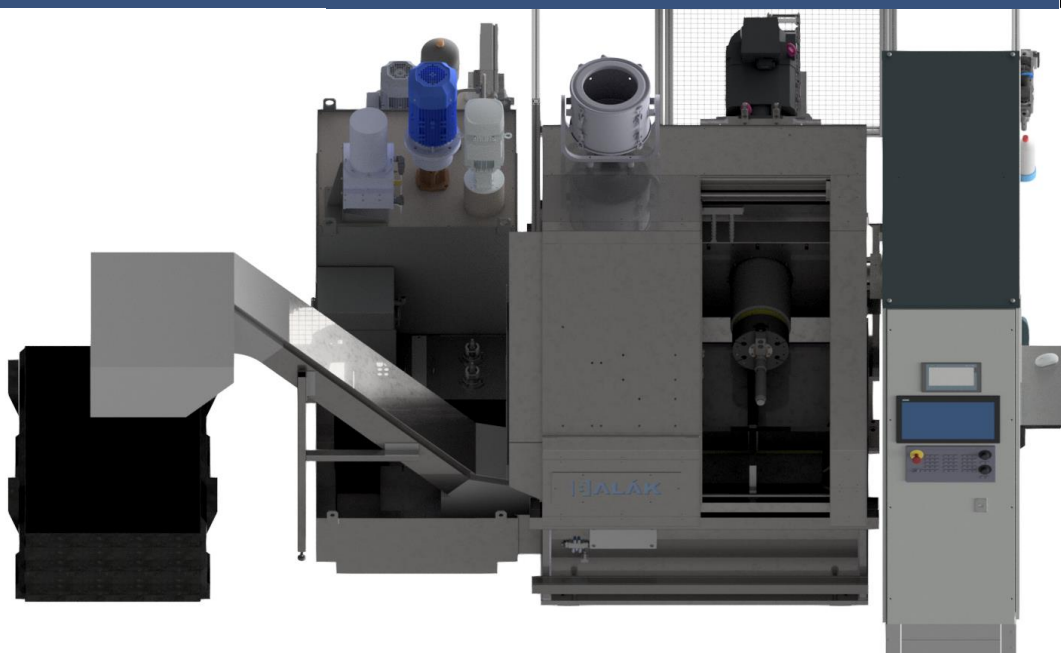
The universal two-axis lathe with horizontal main spindle has been built to reduce space requirements while maintaining high performance. The turret (optionally with driven tools) is static, while the spindle is on a cross slide. The machine can be equipped with hydraulic clamping, high-pressure water cooling or a probe. This compact lathe features a wide range of available options to customize your machine to your exact needs, including workpiece loading and unloading automation.

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### **Key features:**

**2-axis | 1 spindle | 1 driven tool spindle | 1000+ customization options**

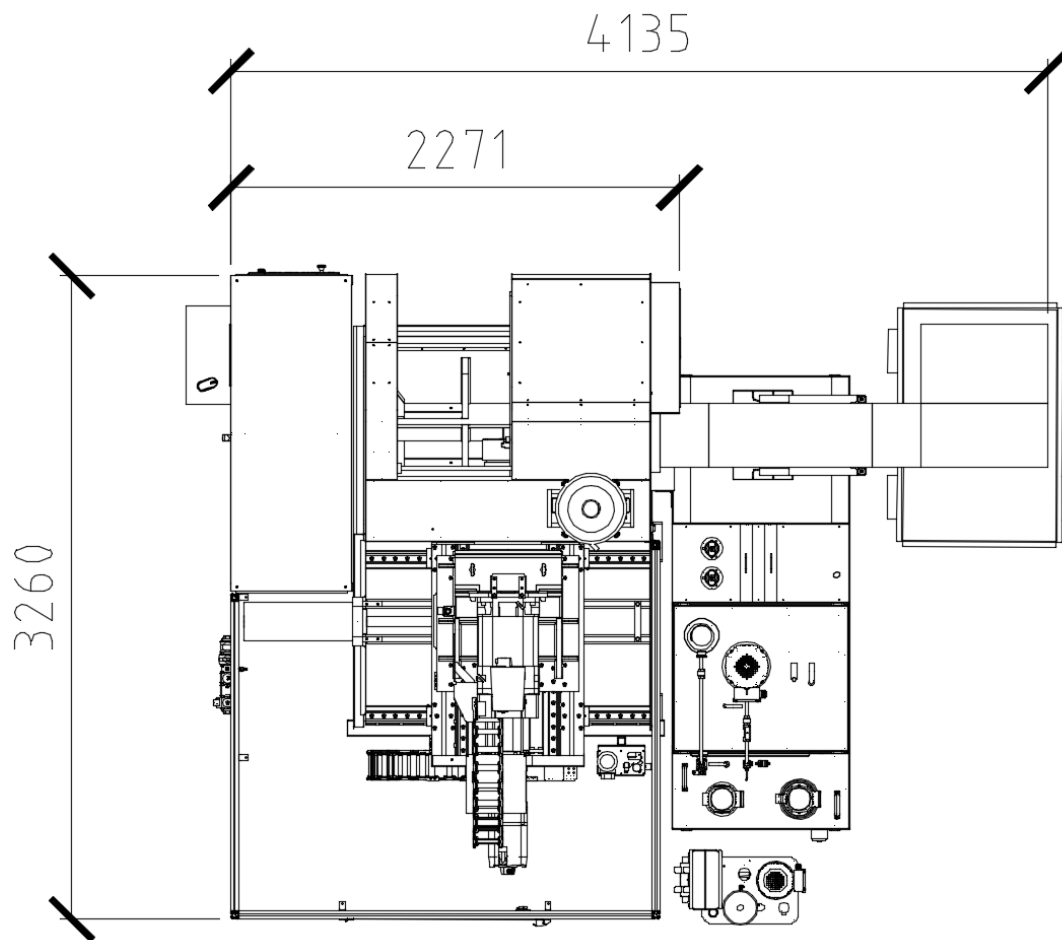




Example of a past project:



**Balák stroje Tisnov s.r.o.**  
**Cervený Mlyn 380**  
**666 01 Tisnov**  
**Czech republic**



Specs	Metric
Axis	1
Spindles	1 (opt)
Travels X/Z	280/500
Chuck	250
Chuck Connection	A6 (opt)
Electromechanical Turret	250
Turret Positions	12 (opt)
Tools Connection	VDI 50 (opt)
Turret with Driven Tools	<b>opt</b>
Machine Probe	<b>opt</b>
Main Spindle Drive	Siemens 1PH8-163
Main Spindle Power	30 kW
Main Spindle Torque	649.25 N.m
Gear Ratio	3,5
Driven Tool Drive	Siemens 1PH8-103
Driven Tool Power	8 kW
Driven Tool Torque	55 N.m
Automatic / Manual Mode	✓
System	Siemens SINUMERIK ONE
HMI	Control Touch Screen
Additional Control Board	<b>opt</b>
Remote Control Pendant	<b>opt</b>



Workpiece Lifter Access	✓
Chip Conveyor	✓
Liquid Cooling with Fluid Filtration	opt
Rated Pressure – Flood Coolant Pump	0.4 MPa (opt)
Rated Pressure – High Pressure Pump	5 MPa (opt)
Water Gun for Cleaning	opt
Manual Workpiece Clamping	✓
Hydraulic Power Unit	opt
Rated Pressure – Hydraulics	15 MPa (opt)
Mist Collector	opt
Air Blast System	opt
Window Air Blast System	opt
Automatic Lubrication System	✓
Enclosure Air Conditioner	opt
Machine Dust-Proof Design	opt
High-Intensity Lighting	✓
Camera and Screen	opt
Manually Open Doors	✓
Automatic Doors	opt
Stack Light	✓
Machine Covers	✓
Ethernet Interface	✓
Remote monitoring – LAN connected	✓
Remote monitoring – SIM connected	opt
Metric Design	✓
Machine Labels – Czech	✓
Machine Labels – English / other languages	opt
Instruction Manual printed and digital – Czech	✓
Instruction Manual printed and digital – English / other languages	opt
Spare Parts Drawings	✓
EU declaration of conformity	✓
CE Label	✓
Risk analysis	✓
Operator Training, Programming Training	6 hrs
Maintenance Training	6 hrs
Standard Warranty	24 mos
Extended Warranty	opt
Warranty Repair Start – Czech republic	within 48 hrs (w/d)
Warranty Repair Start – EU / other countries	opt
Post Warranty Repair Start – CZE / EU / other countries	opt
Workpiece Handling – robotic / pneumatic	opt
Automated Bin-picking	opt
Workpiece Feeder	opt
Automated Measuring System	opt
Customization	opt

✓ – Standard Equipment, **opt** – Optional Equipment

