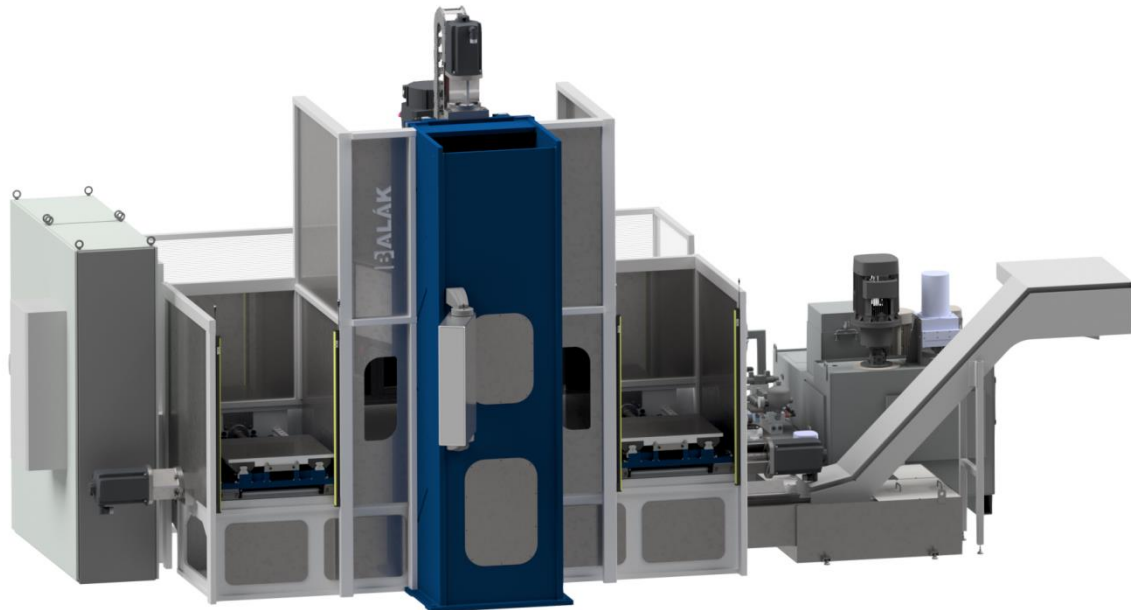




BUV3-2-37

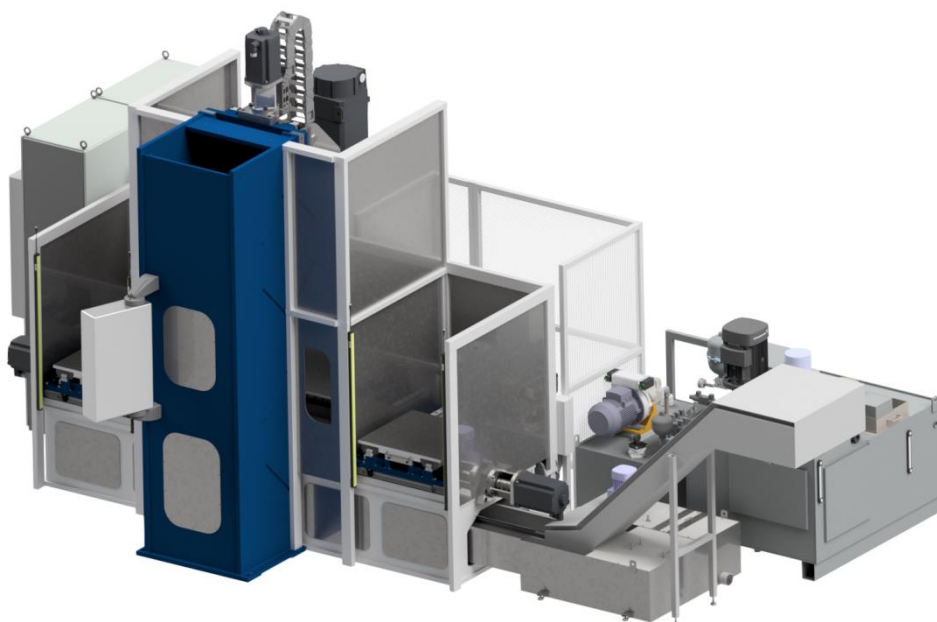
Balak Universal Vertical 3-axis Mill | 2 tables | 37 kW

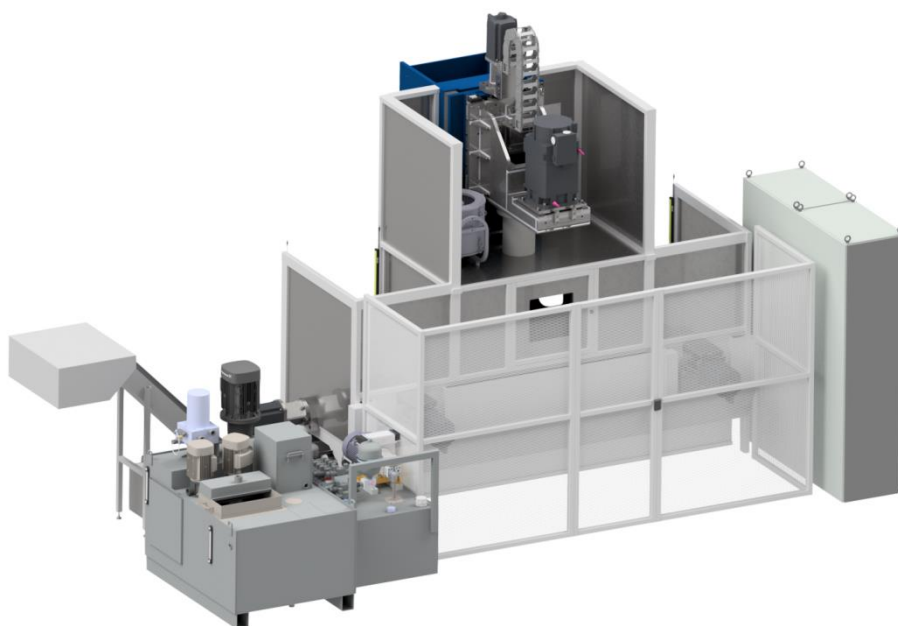


Our universal 3-axis vertical mill has been built especially for high production requirements. The two-table system enables continuous machining. The machine keeps working while the already machined workpiece is replaced in second position. This compact machining center features a wide range of available options to customize your machine to your exact needs, including workpiece loading and unloading automation.

Key features:

3-axis | 2 working tables | 1 spindle | 1000+ customization options

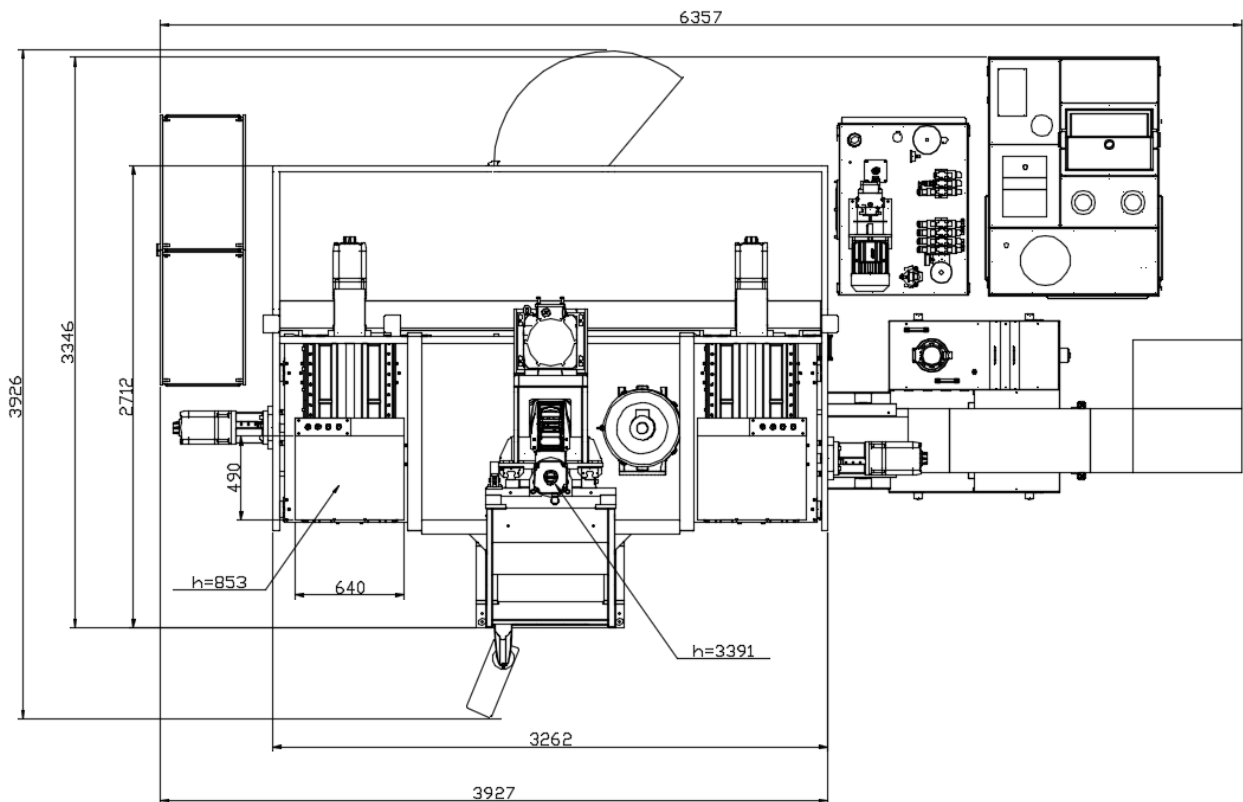




Example of a past project:



Balak stroje Tisnov s.r.o.
Cerveny Mlyn 380
666 01 Tisnov
Czech republic



Specs	Metric
Axis	3
Work Tables	2
Continuous machining	✓
Travels X/Y/Z	640/300/430
Table Dimensions X/Y	640/490
Table Connection	12 × M16 + 4 × DIN 1B 12
T-Slots	opt
Spindle Drive	Siemens 1PH7-163
Power	37 kW
Spindle Torque	649.25 N.m
Gear Ratio	3.5
Spindle Interface	HSK-C 100
Tool Changer	opt
Machining Conditions Optimization	✓
Automatic / Manual Mode	✓
System	Siemens SINUMERIK ONE
HMI	Control Touch Screen
Additional Control Board	opt
Remote Control Pendant	opt
Table-to-Table Time	3.5 secs
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)
Hydraulic Power Unit	opt



Rated Pressure – Hydraulics	15 MPa (opt)
Hydraulic Circuits	2/3/4/5/6 (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
2 Automatic Doors	✓
2 Safety Light Curtains	✓
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
Customization	opt

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

