ZC 3064

5 Axis Aluminium Machining Center

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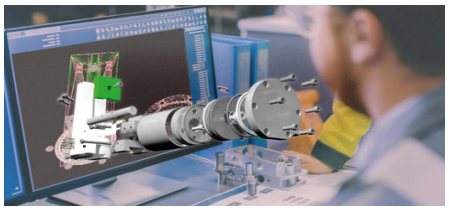
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- Robust mechanical structure suitable for high speed
- Axis velocities whose average exceeds 100 m/d
- Profile machining length 14.500 mm
- Double station profiling length 7000 mm x 2
- Machinable cross section size 650 x 350 mm
- Number of clamps 16 pieces
- Spindle motor 24,000 rpm /10-12 kW
- Number of magazine sets is 16 pieces
- Ø 500 mm saw
- Mitsubishi CNC control unit
- Automatic tool length measuring
- Automatic positioning vices
- Automatic tool recovery in case of power failure



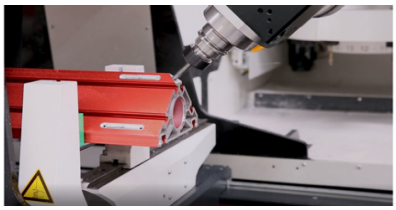
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Design
- Our machine, which has a robust mechanical design and can operate in two stations, processes aluminum and steel profiles for many years at high speed and quality.
- With the profile fixed; performs all similar operations such as milling, notching, drilling, threading, countersinking and cutting.
- With its axis speeds of 100 m/min on average, it processes much faster than equivalent products.

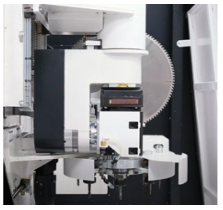
Control Panel
- Versatile adjustable, ergonomic kiosk
- 19'' screen
- Windows-based, user-friendly Kaban interface with easily adjustable parametric structure
- Compatibility with .NCX extension software
- High performance 4+1 axis Mitsubishi CNC control unit
- Optical communication and command boost
- Communication via Ethernet
- Working with G-Code
- Data transfer via USB and COM Port





Spindle
- 10-12 kW / 24,000 rpm
- HSK F63 tool holder
- Encoder
- Temperature control
- Liquid cooling
- Tool cooling

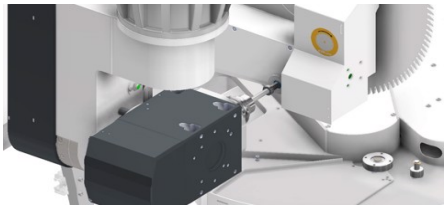
Magazine
- 16 tool holders
- Change teams in maximum 8 seconds
- Ø 200 mm saw attachment

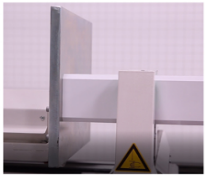


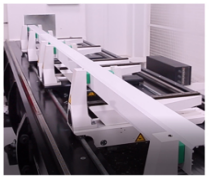


Saw Magazine
- Saw Ø 500 mm
- Special magazine for the saw

Automatic Tool Length Measuring
- Precise tool length measurement

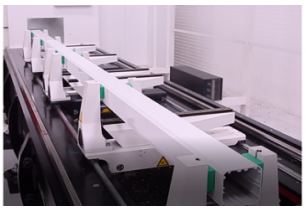


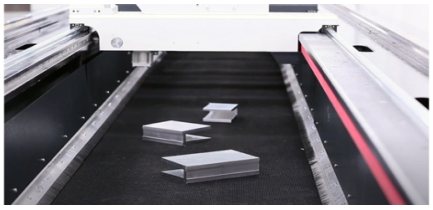




Profile Supports
- Automatic profile support system on both sides

Vices
- Narrow, designed vices protected against external factors
- Standard 16 clamps
- Precise automatic positioning with servo control
- Profile sliding comfort on the vise surface with the roller system
- Three different clamping forces according to the profile thanks to the pressure regulator





Chip Conveyor
- Chip conveyor for waste parts

Safety
- Ability to continue from where it left off in case of power failure with the UPS system
- Auto-recovery function that sends the spindle to the safe zone
- Operational safety with protective fences and safety barriers





Technical Support
- Periodic maintenance reminder function
- Automatic lubrication system
- Service support with remote connection

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Machine Features	X-Axis	Engine Power	3,5	kW
	X-Axis	Axis Speed	140	m/d
	X-Axis	Part Machining Length	14500	mm
	Y Axis	Engine Power	1,5	kW
	Y Axis	Axis Speed	120	m/d
	Y Axis	Part Machining Length	650	mm
	Z Axis	Engine Power	1	kW
	Z Axis	Axis Speed	40	m/d
	Z Axis	Part Machining Length	350	mm
	Axis A	Engine Power	0,75	kW
	Axis A	Axis Speed	146	°/s
	Axis A	Angle	±110	°
	C Axis	Engine Power	0,75	kW
	C Axis	Axis Speed	146	°/s
	C Axis	Angle	±180	°
	Spindle	Engine Power	10-12	kW
	Spindle	Maximum Rotation Speed	24000	d/d
	Magazine	Number of Teams	16	Piece
	Magazine	Saw Maximum Diameter	200	mm
	Saw	Diameter	500	mm
	Clamp	Axis Speed	15	m/d
	Clamp	Number of Vices	16	Piece
Technical Specifications	Weather	Pressure	6-8	bar
	Weather	Total Air Consumption	350	l/d
	Supply	Voltage	400	V
	Supply	Strength	24	kW
	Weight	Net	22041	kg
	Weight	Gross	22136	kg
	Sound	Level	96	dB
	Machine Dimensions	Length	18751	mm
	Machine Dimensions	Width	4341	mm
	Machine Dimensions	Height	2834	mm

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Options



Barcode Printer

- It serves to print the label on which the characteristics of the product are located in order to track the work

Spindle

- Multiple spindle options up to 20 kW





Handwheel

- It is a hand control that allows the positioning of CNC axes located on the machine

Electronic Probe

- It provides wireless and high-precision measurement of parts, holes, surface displacement and measurement operations





Barcode Reader

- Barcode reader to upload business information