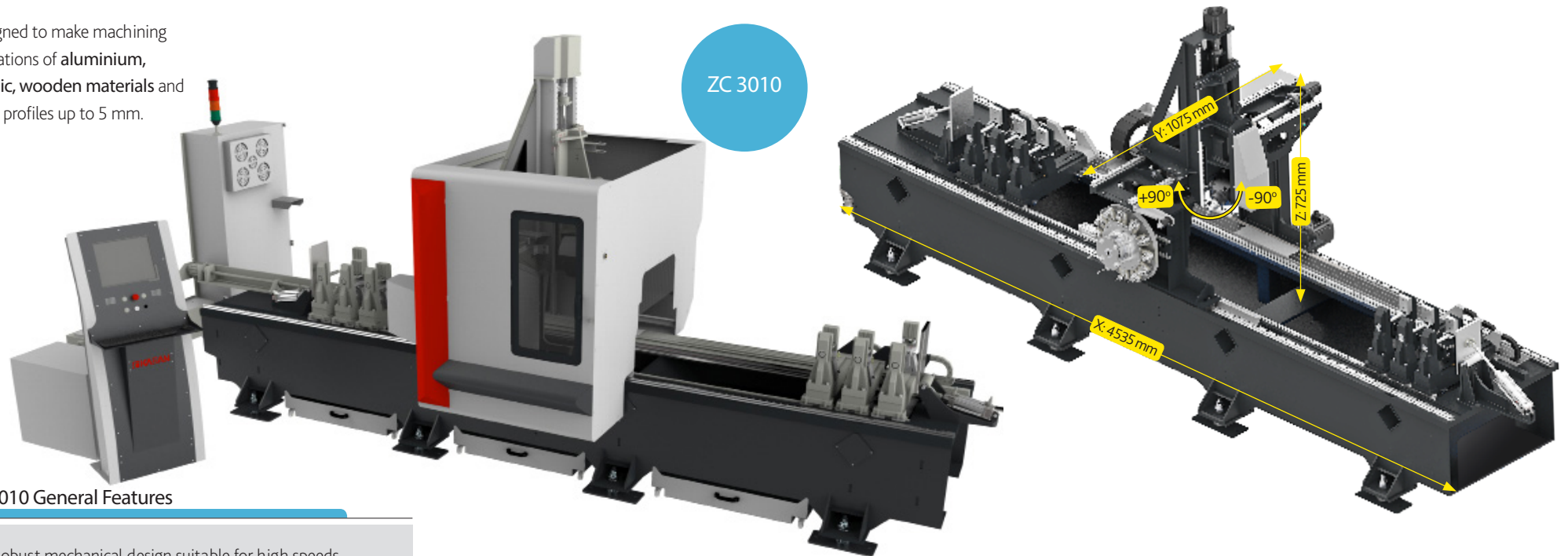


ZC 3010 / ZC 3020

4 Axis Aluminium Machining Center

Designed to make machining operations of aluminium, plastic, wooden materials and steel profiles up to 5 mm.



ZC 3010 General Features

- Robust mechanical design suitable for high speeds.
- Stress relieving treatment is made on each casted and welded part in order to provide continuous precision.
- Maximum performance thanks to high quality materials used on its production.
- Long-lived moving parts thanks to automatic greasing system.
- Standard model has 3 dust containers and 6 clamps.
- Mitsubishi CNC M720VW control unit, internal HDD, optical communication, high speed and precision, 0,001 micron command enhancement and ethernet interface.
- In case of energy cut, vertical axis moves up in order not to damage the pieces.
- TWINSYSTEM: Bizonal non stop operation, right left double piece connected operation facilities.

Standard Equipments



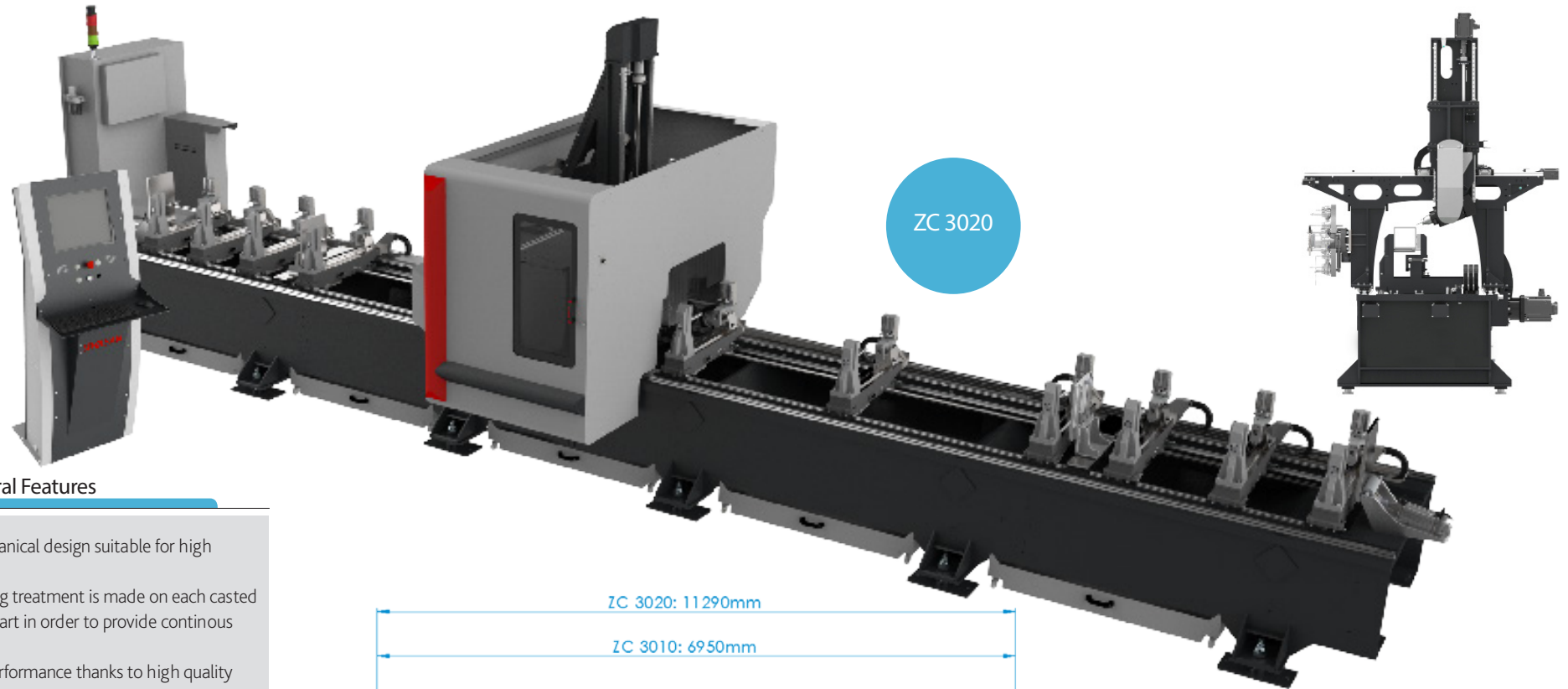
Clamps

- Standard 6 clamps in order to process two profiles at the same time.

Optional Equipments

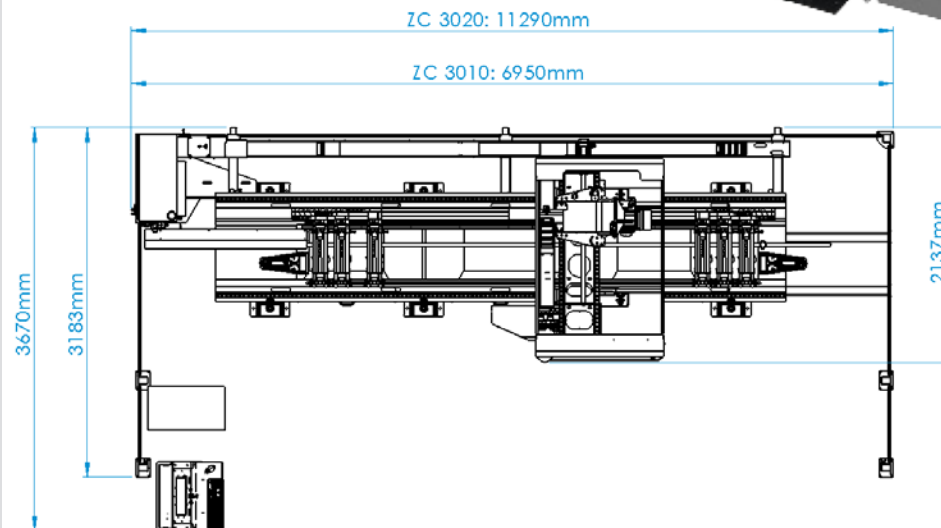


- HSK Tool Holders

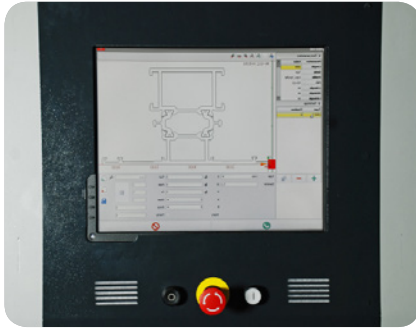


ZC 3020 General Features

- Robust mechanical design suitable for high speeds.
- Stress relieving treatment is made on each casted and welded part in order to provide continuous precision.
- Maximum performance thanks to high quality materials used on its production.
- Long-lived moving parts thanks to automatic greasing system.
- Standard model has 5 dust containers and 12 clamps.
- Mitsubishi CNC M720VW control unit, internal HDD, optical communication, high speed and precision, 0,001 micron command enhancement and ethernet interface.
- In case of energy cut, vertical axis moves up in order not to damage the pieces.
- TWINSYSTEM: Bizonal non stop operation, right left double piece connected operation facilities.



Control Panel



- User friendly and flexible operation system.
- Mitsubishi CNC Control unit.
- Uni-Link CAM software program:
 - Connects to all production softwares.
 - High performance machine management.
 - Compatible to optimization programs.
- Easy parameter settings.
- Periodical maintenance reminder function.
- ISO programming language
- Service support with wireless connection.
- Usb and COM port inputs.

Spindle



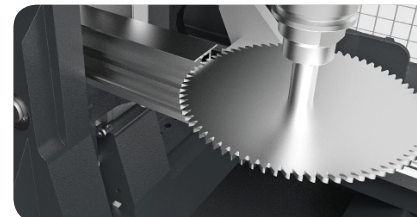
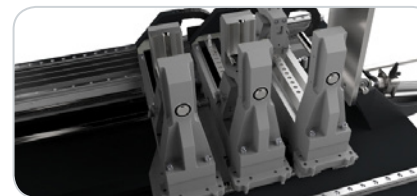
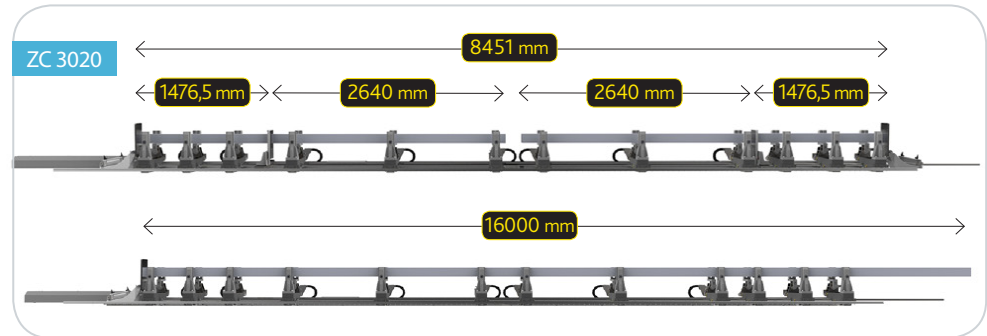
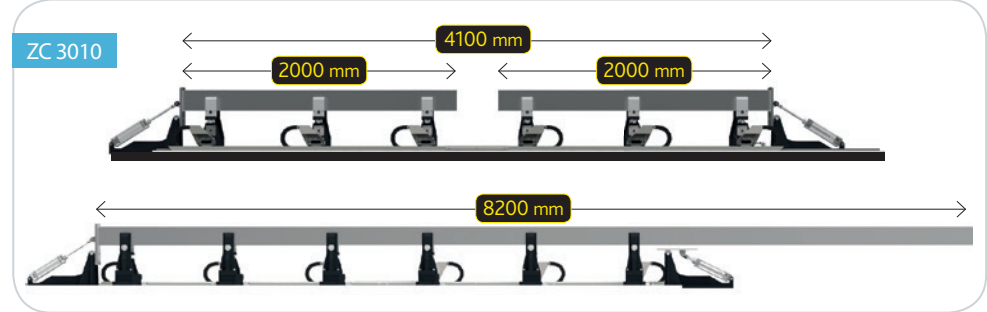
- 0,01° range positioning thanks to the servo control whose torque is increased with harmonic driver.
- HSD branded 12/10 kW max. 24.000 c/m.
- Liquid cooled motor.
- Automatic tool change.
- HSK Tool holder.
- Tool cooling system.
- Tool position tracking sensor.

Magazine



- 12 tool capacity magazine.
- Tool changing in 5 seconds.
- Easy access to magazine from front side.
- Saving of time by tool changing while passing from one process to other one on piece.

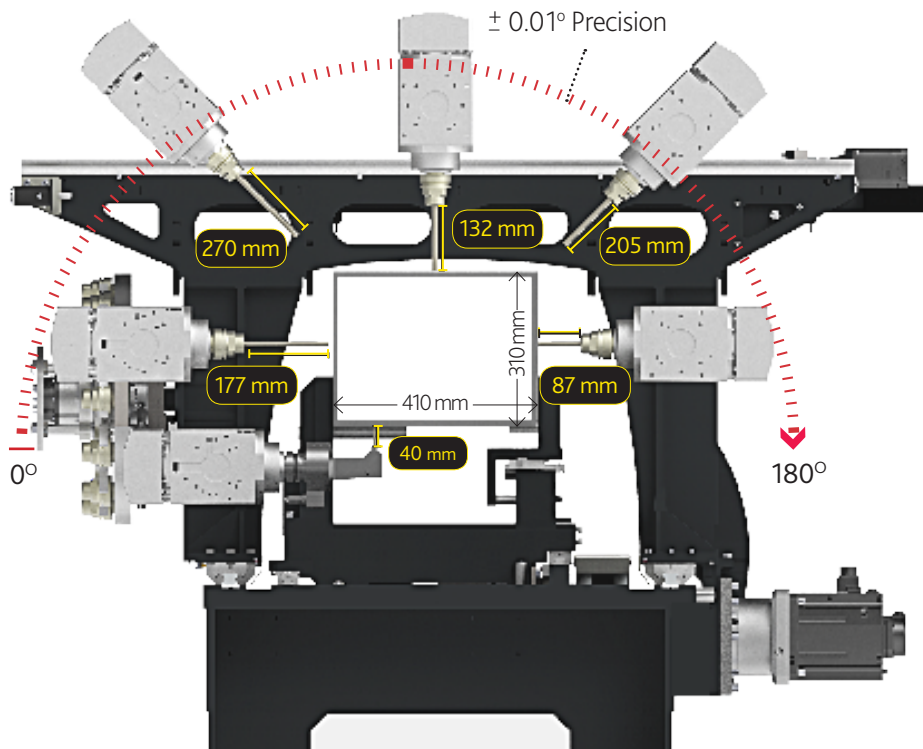
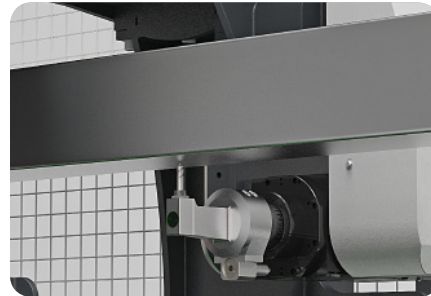
Clamps



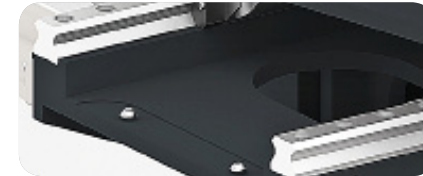
- Clamp fix side is at front in order to provide ease of profile loading.
- Standard modul has 6 clamps.
- Ease of profile sliding on clamps surfaces as the profile seats have roller system.
- Servo controlled automatic clamp positioning regarding to the receipt of the piece to be machined.
- Double sided profile support system.
- Profile machining facility at long lengths. Cutting of profile ends with 200 mm saw.

A Axis

- Machining of aluminium, plastic, wooden materials and steel profiles up to 5mm at width and height values mentioned in picture.
- Tool lengths according to direction and piece is mentioned in below picture.
- 4 Axis simultaneous operation feature.



Bearing System



- High quality bearings suitable for high speeds whose gap class is zero.

Technical Features

	ZC 3010	ZC 3020
Axis		
Y Axis Servo Motor	1x 1,5 kW	1x 1,5 kW
X Axis Servo Motor	1x 3,5 kW	1x 3,5 kW
Z Axis Servo Motor	1x 1 kW	1x 1 kW
A Axis Servo Motor	1x 0,75 kW	1x 0,75 kW
X Axis Rapid Speed	115 m/min	115 m/min
Y Axis Rapid Speed	40 m/min	40 m/min
Z Axis Rapid Speed	30 m/min	30 m/min
A Axis Rapid Speed	20° / sec	20° / sec
X Axis Reductor Planet	SD140	SD140
Spindle Motor HSD ES779	1x 12 kW max. 24000 d/d	1x 12 kW max. 24000 d/d
Clamp Positioning Motor		
Servo Motor	1x 0,75 kW	1x 0,75 kW
Magazine Motor		
Servo Motor	1x 0,75 kW	1x 0,75 kW
Machine Dimensions		
Height	2715 mm	2715 mm
Width	3183 mm	3183 mm
Length	6950 mm	11290 mm
Weight	5000 kg	7000 kg
Air		
Pressure	8 bar	8 bar
Consumption		
Screen		
	17" lcd	17" lcd
Communication		
	Ethernet	Ethernet
	USB	USB
Software		
Control	Mitsubishi CNC M720VW	Mitsubishi CNC M720VW
CAD / CAM	Uni-Link Software	Uni-Link Software
Electricity		
Voltage	400V (L1-L2-L3-N-PE) 50/60 Hz	400V (L1-L2-L3-N-PE) 50/60 Hz
Power	20.25 kW	20.25kW