

ZC 2010

Profile Cutting and Machining Center

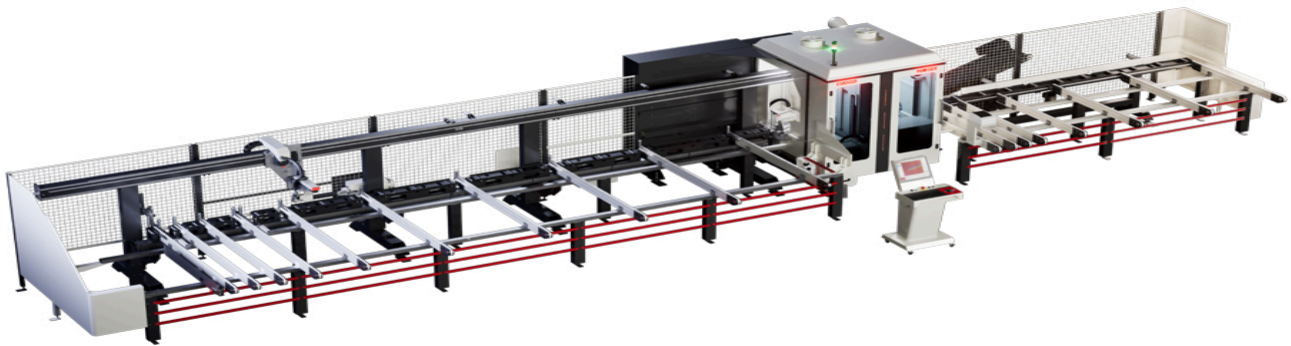


Kaban Makina Sanayi ve Tic. Ltd. Şti.

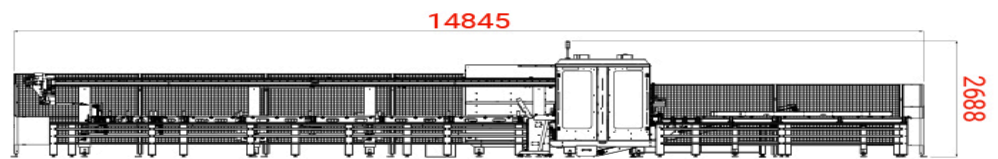
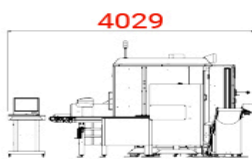
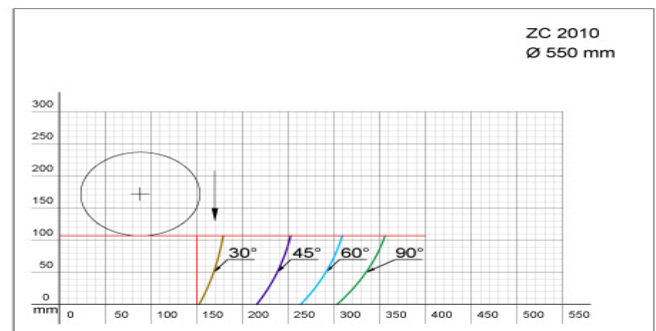
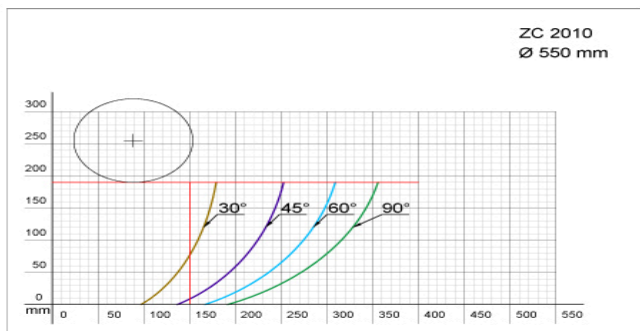
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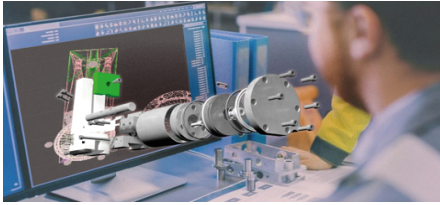
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- 14 axis machining center
- Robust mechanical structure suitable for high speed
- Axis speeds whose averages exceed 110 m/d
- 8 pieces profile feeding capacity
- Profile machining length 7,500 mm x 600 mm
- Machinable profile section size 150 x 190 mm
- Ø 550 mm saw
- User-friendly Kaban interface with Windows-based, easily adjustable parametric structure
- Mitsubishi PLC control system
- Service support with remote connection
- Automatic profile recognition system
- Coolant spray system



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Design

- Mechanical structure that can process aluminum profiles at high speed and high quality
- Stress relieved cast and welded parts to ensure consistent high speed accuracy
- Fully automatic processing of a wide variety of doors, windows and similar profiles, including industrial products
- Suitable for grooving, drilling, marking, cutting at different angles, etc. ability to process
- Coolant spray system

Control Panel

- Versatile adjustable, ergonomic kiosk
- 19" screen
- User-friendly Kaban interface with Windows-based, easily adjustable parametric structure
- High performance Mitsubishi PLC control system
- Compatibility with 3rd party softwares
- Data transfer via USB and COM Port

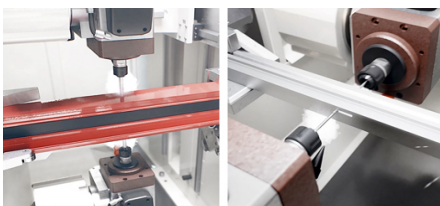
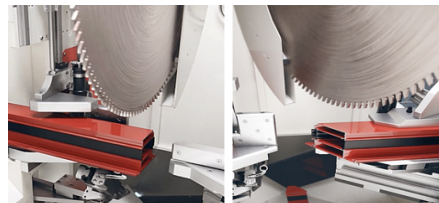


Input Unit

- 3 axis servo controlled profile driving robot
- Conveyor system that can carry 8 profiles
- Profile carrying up to 7500 mm, minimum 600 mm long
- Automatic profile recognition system
- Gripper that can rotate between 0° and 90°

Cutting Unit

- Vertically positioned saw rotatable between 30° and 150°
- Adjustable saw feed speed
- Ø 550 mm saw



Processing Unit

- There is a double milling tip liquid-cooled asynchronous motor in 2 separate machining groups with SERVO control.
- Machining group angles move 270°.
- Thanks to the reciprocal SERVO motors in the milling unit, it has the opportunity to perform double-sided operations.

Exit Conveyor and Chip Conveyor

- Profile length up to 4000 mm
- Conveyor where the cut pieces are transferred automatically
- Barcode printer
- 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

Technical Support

- Periodic maintenance reminder function
- Service support with remote connection



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Input Group	Conveyor	Motor Power	0,37	kW
	Conveyor	Axis Speed	9	m/min
Robot	X Axis	Motor Power	1,5	kW
	X Axis	Axis Speed	145	m/min
	X Axis	Machining Length	7500	mm
	Y Axis	Motor Power	0,4	kW
	Y Axis	Axis Speed	90	m/min
	Y Axis	Machining Length	130	mm
	Z Axis	Motor Power	0,4	kW
	Z Axis	Axis Speed	90	m/min
	Z Axis	Machining Length	230	mm
Mill 1 / Mill 2	Milling	Motor Power	1,5	kW
	Milling	Max Rotation Speed	12000	cycle/min
	X Axis	Motor Power	0,4	kW
	X Axis	Axis Speed	90	cycle/min
	X Axis	Machining Length	260	mm
	Y Axis	Motor Power	0,75	kW
	Y Axis	Axis Speed	90	m/min
	Y Axis	Machining Length	240	mm
	Z Axis	Motor Power	0,75	kW
	Z Axis	Axis Speed	90	m/min
	Z Axis	Machining Length	220	mm
	A-Axis	Motor Power	0,4	kW
	A-Axis	Axis Speed	326	°/sec
	A-Axis	Angle	0 - 270	°
Cut	Saw	Motor Power	2,2	kW
	Saw	Max Rotation Speed	2850	cycle/min
	Saw	Saw Diameter	Ø550	mm
	Z Axis	Motor Power	0,75	kW
	Z Axis	Axis Speed	22,5	m/min
	C Axis	Motor Power	0,4	kW
	C Axis	Axis Speed	230	°/sec
	C Axis	Angle	30 - 150	°
Output Group	Conveyor	Chip Conveyor Motor	0,37	kW
	Conveyor	Output Conveyor Motor	0,37	kW
	X Axis	Motor Power	0,4	kW
	X Axis	Axis Speed	90	m/min
Technical Specifications	Air	Pressure	6 – 8	bar
	Air	Consumption	300	l/min

	Feed	Voltage	400	V
	Feed	Power	14	kW
	Weight	Net	5010	kg
	Weight	Gross	5110	kg
	Sound	Level	96	dB
	Machine Dimensions	Length	14845	mm
	Machine Dimensions	Width	4029	mm
	Machine Dimensions	Height	2688	mm

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PTR 200 Shelf-Type Profile Transport Cart

- Multi-eyed trolley that helps to optimize the workflow