

FA 1030

Profile Processing, Cutting and Screwing Center

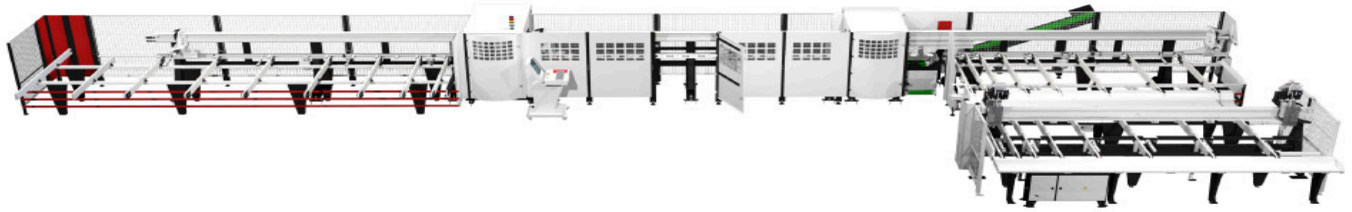


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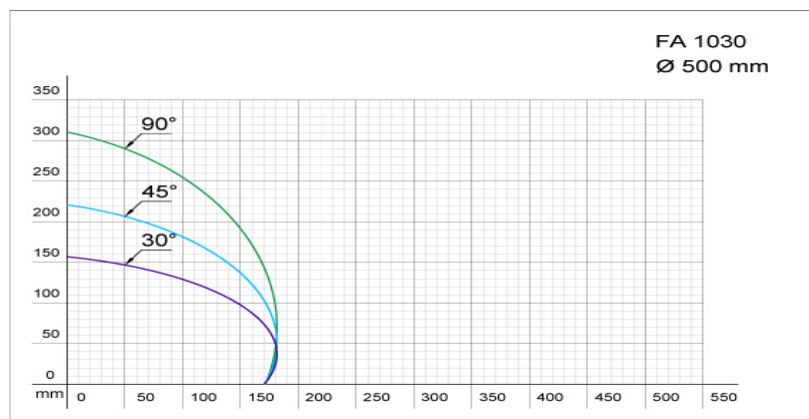
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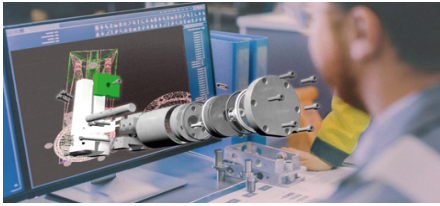
FA 1030 Profile Processing, Cutting and Screwing Center



- 16 axis machining center
- Robust mechanical structure suitable for high speed
- Axis speeds averaging 135 m/min
- Profile feeding capacity of 9 pieces
- Profile machining length of 6500 mm
- Ø 500 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
- Automatic lubrication system



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Design

- Mechanical structure that can process PVC profiles at high speed and high quality
- Stress relieved cast and welded parts to ensure consistent high speed accuracy
- Ability to perform grooving, hole drilling, marking, cutting at different angles, etc.
- Automatic lubrication system

Control Panel

- Versatile adjustable, ergonomic kiosk
- 17" screen
- User-friendly Kaban interface with Windows-based, easily adjustable parametric structure
- Compatibility with 3rd party software
- Data transfer via USB and COM Port

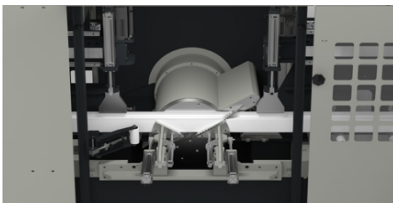
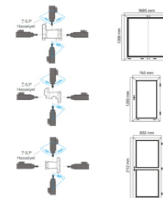


Input Unit

- Servo controlled profile driving robot
- Strong profile holding structure
- Conveyor system that can carry up to 9 profiles
- Profile transport with a maximum length of 6500 mm and a minimum length of 400 mm
- Automatic profile recognition system
- Linear measuring system
- Infinite length machining option

Processing Unit

- 3-axis servo controlled unit
- 4-axis servo-controlled unit
- Tool motors with 4 cutting tool capacity
- Ability to operate two tools simultaneously with high precision

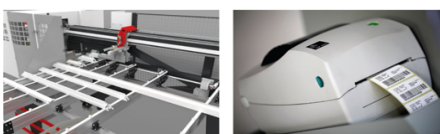
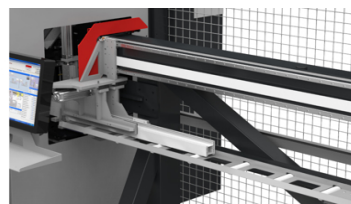


Cutting Unit

- Horizontally positioned saw with precise rotation between 30° and 150°
- Adjustable saw feed speed
- Saw Ø 500 mm

Profile Transfer Unit

- The finished profiles in the processing unit are transferred to the cutting unit.

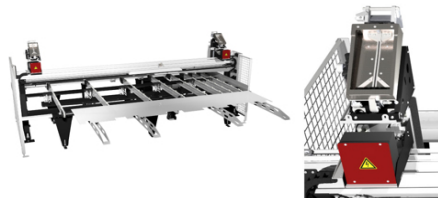


Exit Unit

- Servo controlled exit robot
- Profile length up to 4000 mm
- Conveyor where the cut pieces are transferred automatically
- Barcode printer
- Chip conveyor for waste parts

Screwing

- Servo controlled double station unit
- Fast and automatic screws on support sheet profiles at desired intervals



Safety

- Ability to resume operation from the point of interruption in case of a power outage with the UPS system
- Auto-recovery function that sends the tool to the safe zone

Technical Support

- Periodic maintenance reminder function
- Remote service support



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Input Unit	X Axis	Motor power	1,5	kW
	X Axis	Axis Speed	320	m/min
	Conveyor	Motor power	0,55	m/min
	Conveyor	Axis Speed	8,8	m/min
Processing Unit	Spindle	Motor power	4 x 0,75	kW
	Spindle	Max Rotation Speed	18000	rpm
	X Axis	Motor power	2 x 0,75	kW
	X Axis	Axis Speed	30	m/min
	Y Axis	Motor power	2 x 0,75	kW
	Y Axis	Axis Speed	30	m/min
	Z Axis	Motor power	2 x 0,75	kW
	Z Axis	Axis Speed	30	m/min
	B Axis	Motor power	0,4	kW
	B Axis	Axis Speed	30	m/min
Transfer Unit	X Axis	Motor power	1,5	kW
	X Axis	Axis Speed	320	m/min
Cutting Unit	Saw	Motor power	1,5	kW
	Saw	Max Rotation Speed	2800	rpm
	Saw	Saw Diameter	500	mm
	Y Axis	Motor power	0,4	kW
	Y Axis	Axis Speed	30	m/min
	B Axis	Motor power	0,4	kW
	B Axis	Axis Speed	400	°/sec
Exit Unit	X Axis	Motor power	1	kW
	X Axis	Axis Speed	320	m/min
	Conveyor	Motor power	0,55	kW
	Conveyor	Axis Speed	8,8	m/min
	Waste Conveyor	Motor power	0,37	kW
Screwing Unit	X1-X2 Axis	Motor power	0,4	kW
	X1-X2 Axis	Axis Speed	90	m/min
	Conveyor	Motor power	0,75	kW
	Conveyor	Axis Speed	8,8	m/min
Technical Specifications	Air	Pressure	6-8	bar
	Air	Consumption	380	l/min
	Feed	Voltage	400	V
	Feed	Power	16,55	kW
	Weight	Net	5939	kg
	Weight	Gross	7684	kg
	Sound	Level	96	dB

	Machine Dimensions	Length	19082	mm
	Machine Dimensions	Width	7684	mm
	Machine Dimensions	Height	2320	mm

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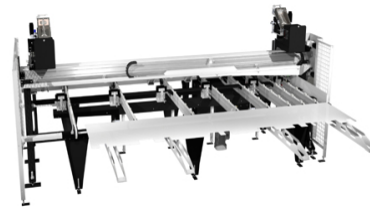


PTR 200 Shelf-Type Profile Transport Cart

- Multi-compartment cart that supports workflow optimization

H 500 Screwing and Drilling Unit

- Servo-controlled dual station unit
- Fast and automatic screwing of profiles with reinforcement steel at desired intervals
- Possibility to drill holes at desired intervals on profiles with reinforcement steel



L 100 Gasket Cutting

- Notching of gasket bottoms in profiles

OK 100 End Milling Unit

- End milling of mullion profiles

