

SB 3011

PVC Profile Processing and Cutting Center

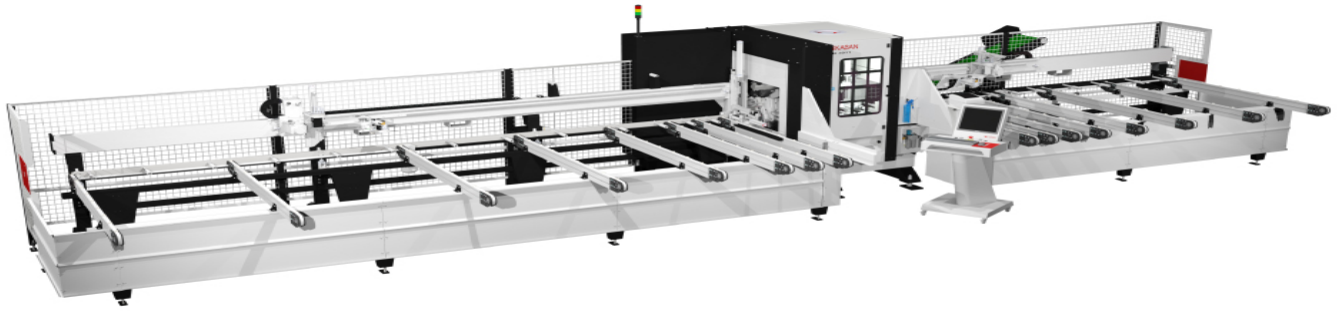


Kaban Makina Sanayi ve Tic. Ltd. Şti.

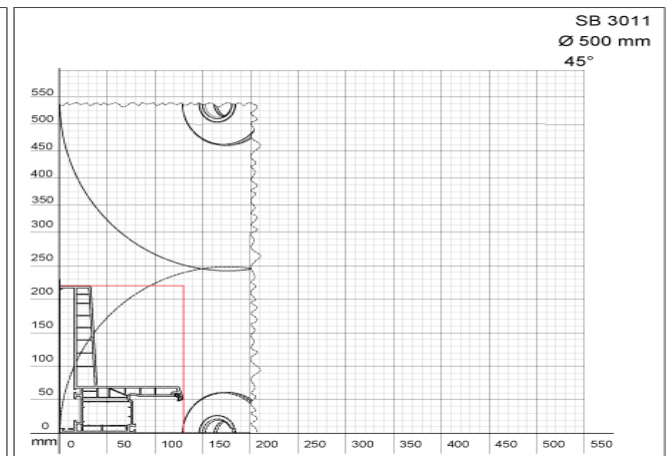
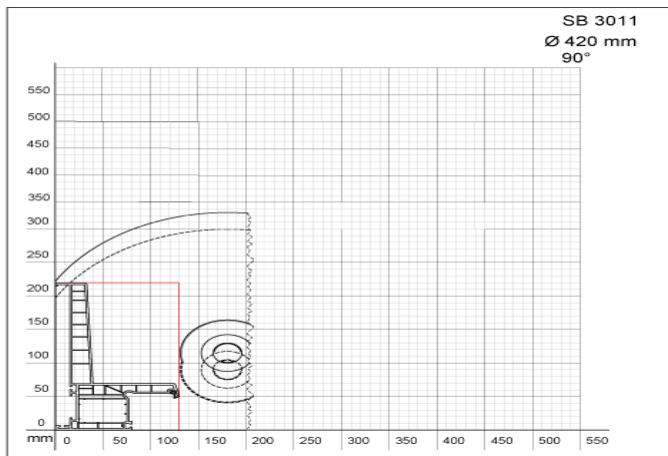
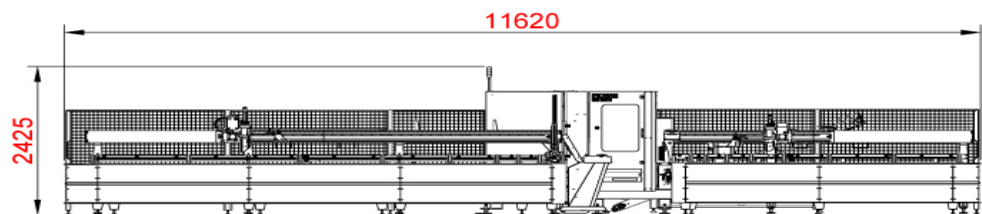
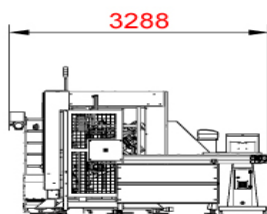
Hadımköy Atatürk Sanayi Bölgesi, Ömerli Mahallesi, 75.Yıl Caddesi, Uzunçayır Sokak, No:12, P.K. 34555 Arnavutköy İstanbul

www.kaban.com.tr

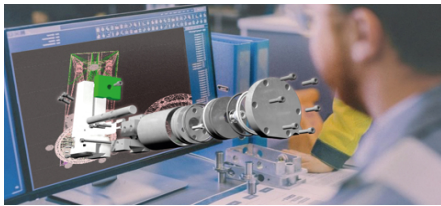
SB 3011 PVC Profile Processing and Cutting Center



- 8-axis machining center
- Sturdy mechanical structure suitable for high-speed operation
- Profile feeding capacity of 8 units
- Profile processing length of 6500 mm
- Machinable profile section dimension of 130 x 210 mm
- 2 x Ø 500 mm saw
- Ø 420 mm saw
- User-friendly Kaban interface with Windows-based, easily adjustable parametric structure
- Mitsubishi PLC control system
- Remote service support
- Automatic profile recognition system
- Automatic lubrication system



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Design

- Mechanical structure capable of processing PVC profiles at high speed and with high quality
- Cast and welded parts with stress relief applied to ensure precision at consistently high speeds
- Capability to perform operations such as channel cutting, drilling, marking, and cutting at various angles
- Automatic lubrication system

Control Panel

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

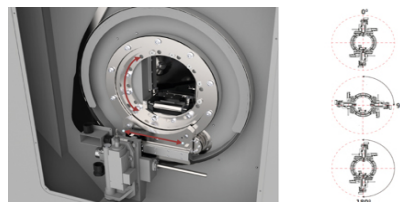


Input Unit

- 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 886 mm
- Automatic profile recognition system
- Linear measuring system
- Infinite length machining option

Processing Unit

- Two 3-axis, servo-controlled units
- The ability of two milling cutters working simultaneously with high precision
- Capability to machine barrel slots on both sides simultaneously
- 360° linear operation around the profile

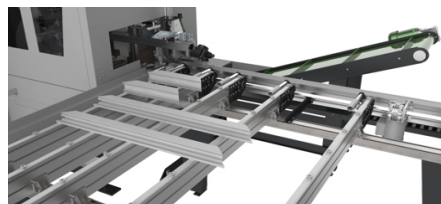


Cutting Unit

- Servo controlled saw feed speed
- 2 x Ø 500 mm saws ($\pm 45^\circ$)
- Ø 420 mm saw (90°)

Exit Unit

- Servo controlled exit robot
- Profile length up to 4000 mm
- Conveyor for automatic transfer of cut parts
- Barcode printer
- Chip conveyor for waste parts



Safety

- Ability to resume operation from the point of interruption with the UPS system
- Automatic recovery function that moves the spindle to a safe area
- Safety label

Technical Support

- Periodic maintenance reminder function
- Remote service support



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Input Group	Conveyor	Axis Speed	8,8	m/min
	Profile Holder	Axis Speed	275	m/min
	Profile Holder	Part Machining Length	6500	mm
Processing Unit	Tool	Motor Power	2 x 0,75	kW
	Tool	Maximum Rotation Speed	18000	cycle/min
	Y1-Y2 Axis	Motor Power	0,4	kW
	Y1-Y2 Axis	Axis Speed	22,5	m/min
	Z1-Z2 Axis	Motor Power	0,4	kW
	Z1-Z2 Axis	Axis Speed	22,5	m/min
	B Axis	Motor Power	0,75	kW
	B Axis	Axis Speed	128	m/min
	B Axis	Angle	0° / 180°	°
Cutting Unit	Saw 1 (0°)	Motor Power	1,5	kW
	Saw 1 (0°)	Maximum Rotation Speed	2800	cycle/min
	Saw 1 (0°)	Saw Diameter	420	mm
	Saw 2 (+45°)	Motor Power	1,5	kW
	Saw 2 (+45°)	Maximum Rotation Speed	2800	cycle/min
	Saw 2 (+45°)	Saw Diameter	500	mm
	Saw 3 (-45°)	Motor Power	1,5	kW
	Saw 3 (-45°)	Maximum Rotation Speed	2800	cycle/min
	Saw 3 (-45°)	Saw Diameter	500	mm
	Z Axis	Motor Power	0,75	kW
	Z Axis	Axis Speed	22,5	m/min
Output Group	Conveyor	Axis Speed	8,8	m/min
	Profile Holder	Axis Speed	275	m/min
	X Axis	Motor power	1,5	kW
	X Axis	Axis Speed	300	m/min
	Chip Conveyor	Motor power	0,37	kW
Machine Dimensions	Profile Holder	Pressure	6-8	bar
	Air	Consumption	250	Lt/min
	Profile Holder	Voltage	220/230/400	V
	Profile Holder	Power	13,5/13,5/13,5	kW
	Profile Holder	Net Machine Weight	3508	kg
	Profile Holder	Gross Weight	4162	kg
	Profile Holder	Sound	96	d(b)
	Profile Holder	Length(L)	11620	mm
	Profile Holder	Width(W)	3288	mm
	Profile Holder	Height(H)	2425	mm

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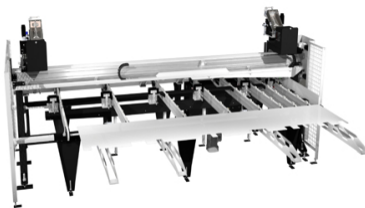
PTR 200 Shelf-Type Profile Transport Cart

- Multi-compartment cart that supports workflow optimization



H 500 Screwing and Drilling Unit

- Servo-controlled dual-station unit
- Fast and automatic screws for profiles with support plates at desired intervals
- Drilling capability for profiles with support plates at desired intervals



H 100 Screwing Unit

- Servo-controlled dual-station unit
- Fast and automatic screws for profiles with support plates at desired intervals