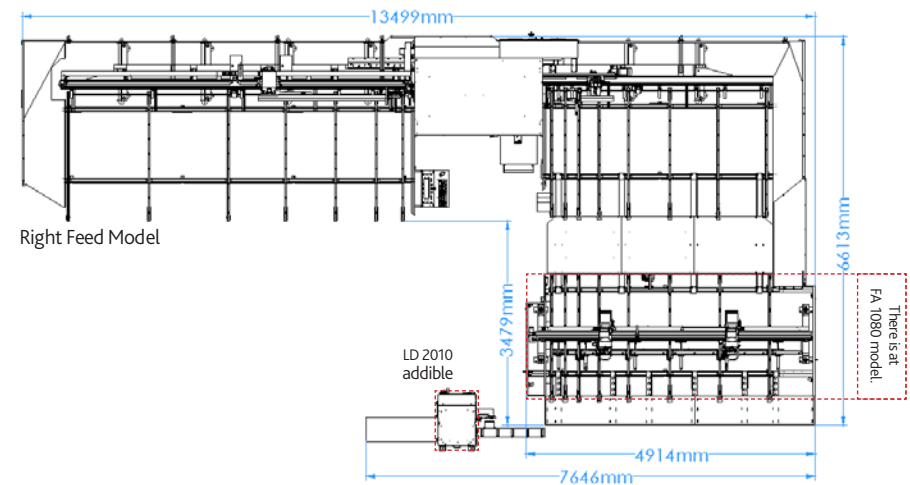
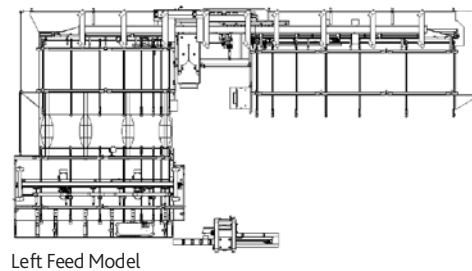


General Features

- Robust mechanical design suitable for high speed operations.
- Maximum performance with high quality materials used on production.
- Reverse cutting to prevent wastes while frame is made from mullion profile.
- High capacity thanks to independent operation of processing, cutting and screwing units.
- FA 1080 processing, cutting and screwing center has servomotor controlled 10 axis, FA 1070 processing and cutting center has servomotor controlled 8 axis.
- Precise measuring thanks to linear measurement system.
- Screwing unit can be integrated to FA 1070 later on.
- Automatic gresasing system.



Control Panel



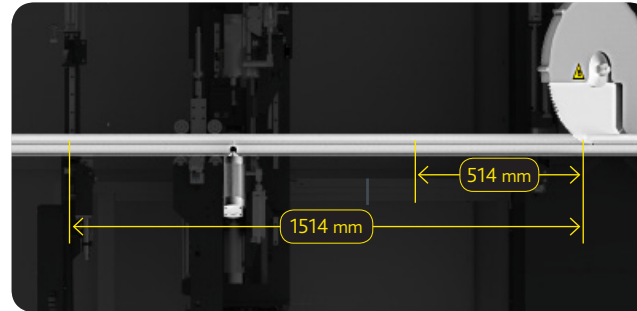
- User-friendly operating system compatible to all joinery and optimization programs.
- Minimum waste, maximum production algorithm.
- The wastes are optimized automatically in cutting list.
- Parameters are set easily.
- Different profiles and hardware can be configured and optimized.
- Periodical maintenance reminder function.
- 17" LCD Screen.
- Service support with wireless connection.
- Usb input.

Profile Loading Unit

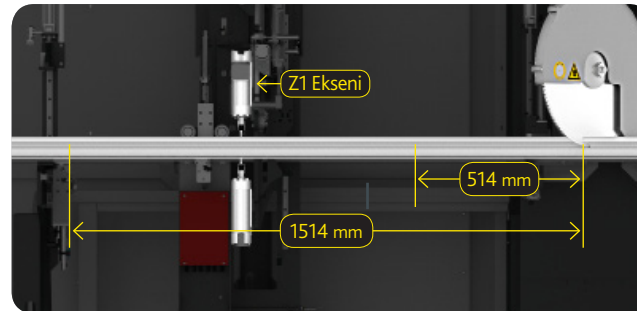


- Profile Loading capacity: 9 profiles.
- Loading capacity can be increased optionally.
- Automatic profile recognition feature on profile conveyor and positioner.
- Profile Length: Minimum 800 mm., maximum 6.500 mm. (optionally eternal)
- Warning system to prevent wrong profile loading.

Profile Processing and Cutting

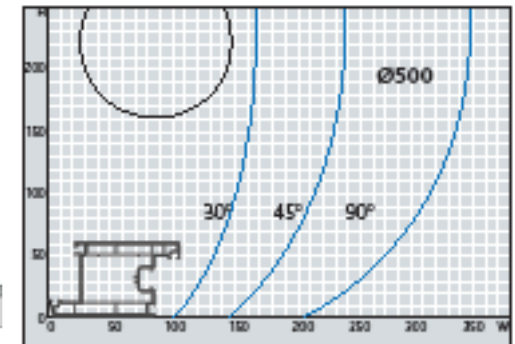
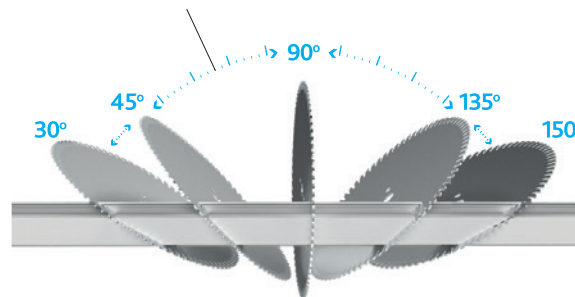


- Higher production capacity than the competitors as the processing unit continues to function at the dimensions stated in picture, while the saw cuts.



- While the saw cuts door profiles, Z1 Axis can run at the dimensions stated in picture in order to open cylinder holes at top and bottom sides simultaneously.
- Cutting unit can cut up to 180mm height.

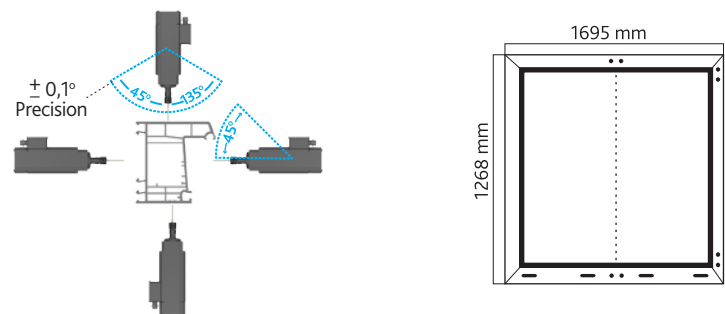
± 0.01° Precision



*Maximum cutting length for 90° is 195mm.

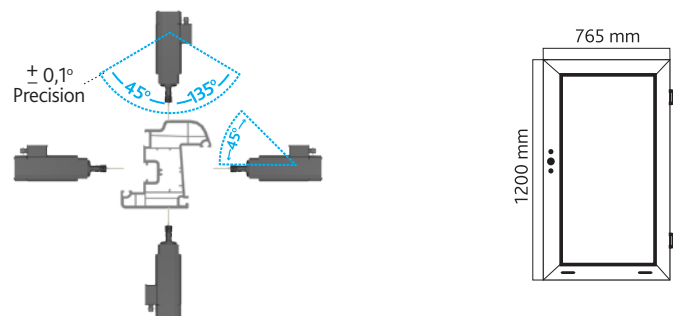
continue

Profile Processing and Cutting



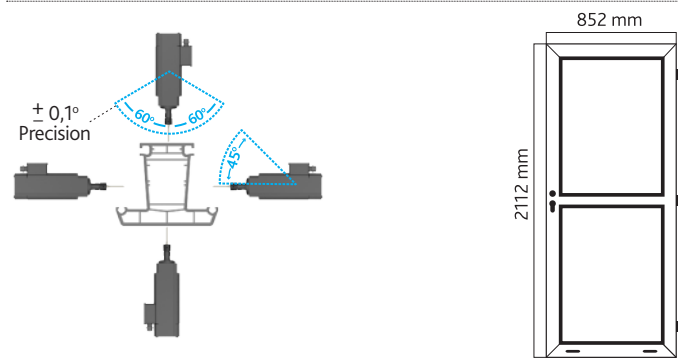
FRAME	Processing Time	Profile Length Quantity	Processed Running Meter	Process Symbols	Process Names
1 Frame	79.5 s				+/-30° Cutting
10 Frame	13m 15s	10			Water Slot
362 Frame	8 Hour	362	2172		Striker
					Mullion Connector Hole

Calculated by processing 10 bars of frame profiles.



SASH	Processing Time	Profile Length Quantity	Processed Running Meter	Process Symbols	Process Names
1 Frame	58.6 s				+/-30° Cutting
10 Frame	9mn 46s	10			Water Slot
491 Frame	8 Hour	327	1962		Striker
					Window Handle Holes

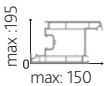
Calculated by processing 10 bars of sash profiles.



DOOR	Processing Time	Profile Length Quantity	Processed Running Meter	Process Symbols	Process Names
1 Frame	84.9 s				+/-30° Cutting
10 Frame	14mn 9s	10			Water Slot
339 Frame	8 Hour	339	2034		Striker
					Cylinder Hole Espagnolette Can.
					Mullion Connector Hole

Calculated by processing 10 bars of door profiles.

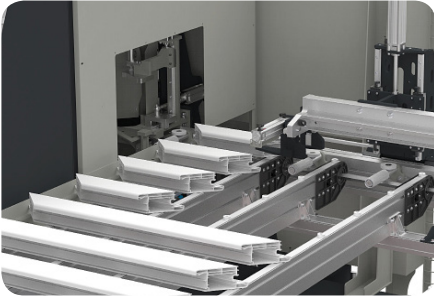
Processed profile dimensions:



- While the saw cuts door profiles, Z1 Axis can open cylinder holes at top and bottom sides simultaneously.
- Processing unit has 4 servomotor controlled axis.

* When the hardwares are changed or added, process times may vary.

Profile Unloading Unit



- Output robot conveys the cut profiles on conveyor automatically.
- The operator sticks the barcode on cut pieces to prepare for next operation.

Profile Screwing Unit



- Screwing conveyor conveys the profile to screwing unit.
- Servo controlled double head screwing unit screws according to profile length and operations made on profile.
- Profile Length to be screwed: Minimum: 400 mm maximum 4650 mm.

Optional Equipments



- BR 200 Barcode Reader
Transfers profile information to screwing unit.



- PTR 200 Shelved Profile Trolley
It is designed to stock properly and carry the cut profiles easily.

Technical Features

	FA 1070	FA 1080
Profile Loading Unit		
Servo Motor	1 x 2 kW	1 x 2 kW
Rapid Speed	320 m/min	320 m/min
Servo Motor	1 x 0,4 kW	1 x 0,4 kW
Loading Conveyor	1 x 0,75 kW	1 x 0,75 kW
Profile Processing Unit		
X Axis Servo Motor	1x 0,75 kW	1x 0,75 kW
Y Axis Servo Motor	1x 0,75 kW	1x 0,75 kW
Z Axis Servo Motor	1x 0,75 kW	1x 0,75 kW
Z1 Axis Servo Motor	1x 0,4 kW	1x 0,4 kW
Rapid Speed	30/60 m/dak	30/60 m/dak
Spindel Motor	4 x0,75 kW 18000 d/d	4 x0,75 kW 18000 d/d
Profile Cutting Unit		
Servo Motor	1 x 0,75 kW	1 x 0,75 kW
Servo Motor	1 x 0,5 kW	1 x 0,5 kW
Saw Motor	1 x1,5 kW 2800 d/d	1 x1,5 kW 2800 d/d
Profile Unloading Unit		
Motor	1x 0,55 kW 2800d/d	1x 0,55 kW 2800d/d
Unloading Conveyor	1 x 0,75 kW	1 x 0,75 kW
Screwing Unit		
X Axis Servo motor		2 x 0,4 kW
X Axis Rapid Speed		30 m/min
Loading Conveyor		1 x 0,75 kW
Machine Dimensions		
Height	2380 mm	2380 mm
Lenght	13330 mm	13345 mm
Width	3375 mm	6695 mm
Weight	5070 kg	6060 kg
Air		
Pressure	6-8 bar	6-8bar
Consumption	100 l /frame	200 l /frame
Screen		
	lcd 17"	lcd 17"
Communication		
	Ethernet	Ethernet
	Usb	Usb
Software		
	KabanTransfer	KabanTransfer
	Windows7	Windows7
Electricity		
Voltage	400V (L1-L2-L3-N-PE) 50/60 Hz	400V (L1-L2-L3-N-PE) 50/60 Hz
Power	12,85 kW	14,4 kW