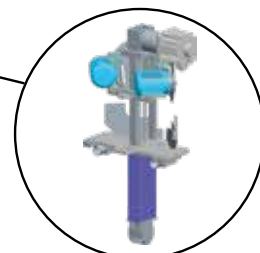




12" colour touch screen PC Windows™



Servo Driven Blade Descent Option



Automatic cutting system

- Two saw blades (fixed at 45° angle) vertical drop technology cutting system
- Vertical and horizontal clamp that hold the moulding during the cut giving high precision and clean angle
- Made up by an automatic programmable cycle with automatic feeding system through PLC with controlled servo driven motorized carriage on gripper (PANASONIC/MITSUBISHI)
- Completed by a vertical or horizontal hopper feeder
- The feeder, in automatic cycle with the mitre saw, feeds the machine continuously in hide time (1 operator can run up to 3 machines in production - if equipped by vertical hopper)
- Different optional unloading belt can be connected at the output as:
an optional unloading belt pushes the cut pieces into a work bin.
an optional collecting conveyor, moves the cut pieces to the joining area.
- SMC pneumatic valves system

Control Unit

- 12" colour touch screen PC Windows™
- 3 RS 232 serial ports, 4 USB ports
- RJ45 net port (WiFi option available)
- Removable CF card (easy restart/replace)
- Remote service (optional) through LAN connection
- PANASONIC/MITSUBISHI PLC and motion control

Software

- A very simple graphical interface permits the operator to program the work cycles. There are several different access levels that are password protected. It is Multilanguage capable including Chinese.
- The interface shows real time production data.
- Simple program creation: the operator enters the moulding info including, height, width, and the lengths to be cut. You can use the internal or external length when programming.
- Different optimized cutting, partial or by stick to length with 2 extra size cut per program. Working cycle options:
 - **Alternate:** cuts a long and short length each cycle to complete the picture frame (x2 option available)
 - **Continued:** cuts all pieces of one length first and then automatically cuts the pieces of the second length, also a third

length if needed

- **Custom:** any sequence of various lengths can be programmed by the operator
- **Cutting list:** possibility to set more programs lines, with length and quantity of pieces
- Unlimited program storage capacity
- USB back up
- Programmable trim-cut setting
- You can use the PC when the machine is working

Production capacity

Production capacity may vary according to different specifics like:

- Length of cut
- Length of moulding at in-feed
- Type of moulding material and finishing used



T300Automatica - Single Blade Version

A+AUTOMATION

MADE IN ITALY

Main Accessories / Options

T300Auto - T350Auto Mirrored Version

This is the “mirrored” version of the standard machine. This version is used to connect two saws together to simultaneously feed one automated frame assembly machine.



Horizontal hopper

- Minimum length of moulding 1500 mm (59")
- Maximum length of moulding 3000mm (118")
- 2 motorized transport belts to support the mouldings
- **Optional:** 3rd transport belt available to extend the moulding length +1000mm (39") each



Vertical hopper

- Minimum length of moulding 1500 mm (59")
- Maximum length of moulding 3000mm (118")
- Pneumatic action WITH SINGLE MOLDING SELECTION
- **Optional:** Vertical magazine extensions +1000mm (39") each



Paper wrap molding bed-cutting bench

Specially modified working Bench to improve the quality for paper wrapped moldings cuts



Servo Driven Blade Descent Option

This option increases production quality and average output may vary to air flow variations. It saves air consumption, up to 85% since it uses a servo drive system instead of a pneumatic cylinder that require 11 kW compressor to execute the vertical movement of the blades.



Blade rotation tuning system

This option allows you to adjust the blade rotation speed, also independently left and right, to increase the cut quality.



Extracting clamp Option

This option is mounted after the cutting system on the exhaust side. It reduces the end cut length and facilitates removing the short cuts. It exists servo-driven version.



3 ways splitter belt with photocell

1300 mm belt with pneumatic system to select and divide out the cut pieces



Push out device

Device that pushes selected size length cut pieces on an exhausting conveyor



Exhaust Conveyor

Exhaust conveyor that forwards the cut pieces toward the handling area



Mobile Application

Application for mobile devices with O.S. IOS® or Android® that allows to manage production data and manage A-Plus devices.



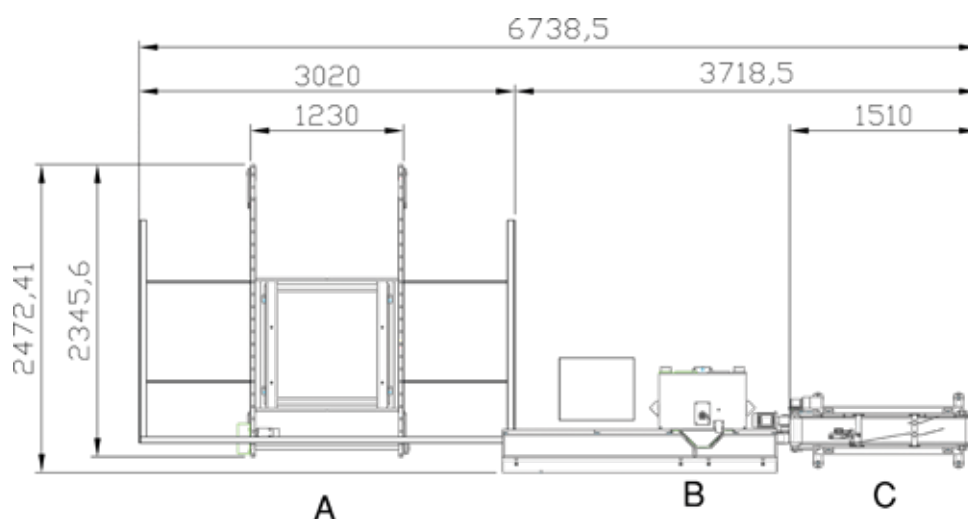


Estimated Production Capacity

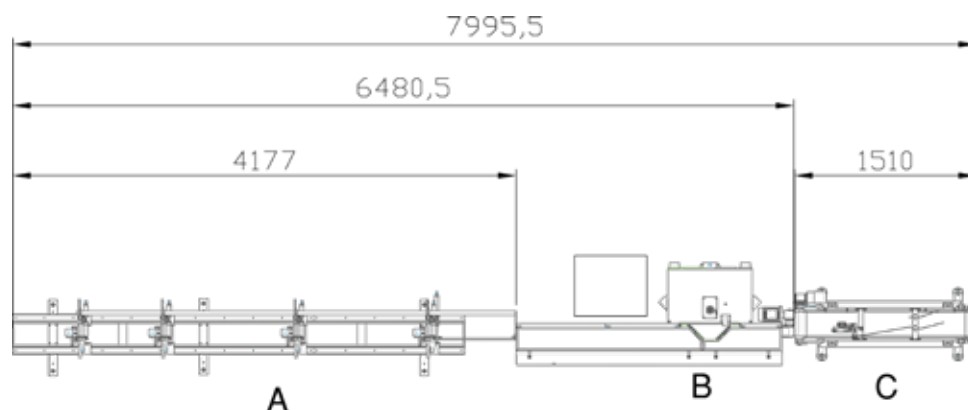
Moulding In-feed length	Frame dimension mm/(in)	Pieces / hour
2000mm (79")	130 x 180 (5.1" x 7")	1.280
	180 x 240 (7" x 9.4")	1.190
	240 x 300 (9.4" x 11.8")	1.085
	350 x 500 (13.7" x 19.6")	930
3000mm (118")	130 x 180 (5.1" x 7")	1.570
	180 x 240 (7" x 9.4")	1.420
	240 x 300 (9.4" x 11.8")	1.290
	350 x 500 (13.7" x 19.6")	1.125
3500mm (138")	130 x 180 (5.1" x 7")	1.680
	180 x 240 (7" x 9.4")	1.610
	240 x 300 (9.4" x 11.8")	1.480
	350 x 500 (13.7" x 19.6")	1.320



Sample Layouts



A Horizontal Magazine
 B T300/T350 Automatica
 C Splitter Conveyor



A Vertical Magazine with optional "Vertical magazine extension +1000mm"
 B T300/T350 Automatica
 C Splitter Conveyor



Automatic Double Mitre Saw

Data Sheet

	Volume	Weight	Cut Dimension	Moulding Size
T300Auto	H = 2000mm A = 700mm B = 1500mm	500Kg + 300Kg	Min. Ext. Size 110mm Max. Ext. Size 1150mm	A= min. 10mm - max. 55mm B= min. 15mm - max. 50mm
T350Auto				A= min. 10mm - max. 55mm B= min. 15mm - max. 75mm
	Saw Motor	Pressure	Working Speed	Software Support
T300Auto	2 x 1,5 Kw (240-400V 3PH)	6-8 bar 30 NL/Cycle	> 400 frames / hour * with 100x150mm *according to frame size, profile length and material type	Windows™ based
T350Auto				
	Changeover	Saws	Electric Control Box	Magazine Capacity
T300Auto	< 10 min * *according to size and loading magazine type	A = 30mm B = 300mm 3000 RPM	3,5 Kw 240 - 400 V	12-40 moulding * *according to type and size
T350Auto		A = 30mm B = 350mm		
	Loading Time			
T300Auto	< 3 seconds			
T350Auto				

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The automatic saws T3xx Automatica have been developed to optimize productivity. They provide high speed cutting and high quality of the cuts, up to 500 frames/hour*.

These machines cut 45° angles on picture frames, doors, windows and furniture profiles. A horizontal (or vertical) hopper is available, depending upon the dimensions and type of materials used. The magazine hold up to 40 sticks of various lengths. These saws utilize vertical drop technology that was developed over many years in production, which reduces scrap, having a knockout as small as 1.6mm (1/16").

A color touch screen PC with Windows gives you many helpful utilities to manage your work and production management. Barcodes scanner connection available by RS232 serial connection and USB ports included.

An extremely intuitive software permits you to memorize over 5000 programs and, for every program up to 4 different cut sizes to optimize and reduce the scrap. Optional LAN port to link machinery together and for remote assistance

* 100x150mm

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