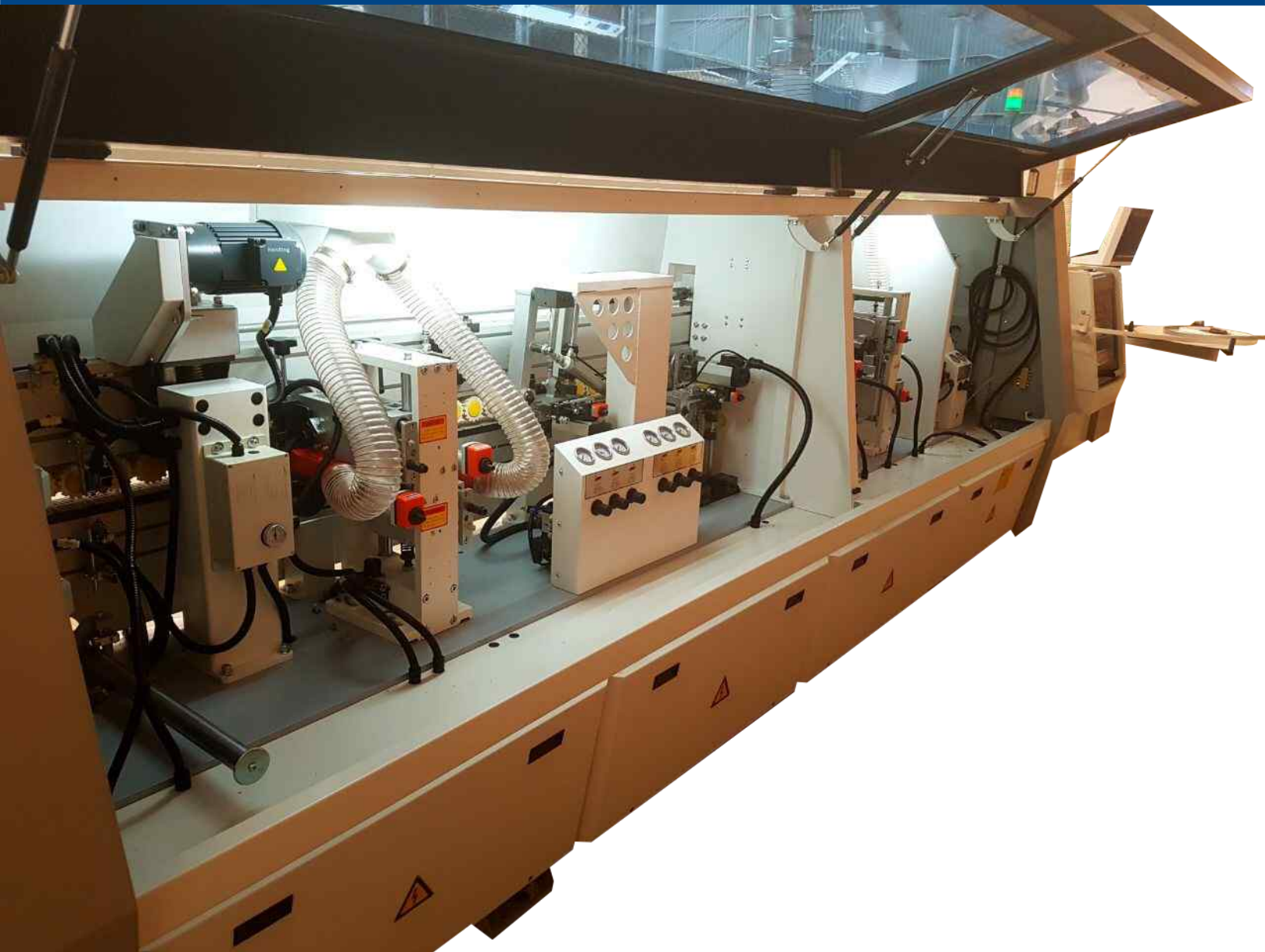


WTM | **WOODTECH**
MECHATRONICS

ALPHA 700 **EDGE BANDER**

with PUR capabilities



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ALPHA 700 EDGEBANDER

with PUR capabilities

The Alpha 700 Edgebander is a top of the range edgebander with the full range of functions, from pre-milling to buffing. The machine sports a quick change glue pot and is ideal for high volume edging up to 3mm ABS.

The Alpha 700 is ideal for medium to large factories and by including optional extras, EVA, Polyolefin and PUR granules can be used to provide a high quality finish on most edging types.



buffing	scraping	corner trimming	fine trimming	rough trimming	end trimming	snipping	gluing	feeding	pre- milling
●	●	●	●	●	●	●	●	●	●

ALPHA 700 EDGE BANDER

Technical Specifications

Specification Table

Panel Length	$\geq 120\text{mm}$
Panel Width	$\geq 60\text{mm}$
Panel Thickness	10-60mm
Edge Width	15-65mm
Edge Thickness	0.4-3mm
Feeding Speed	12-24m/min
Frequency	200Hz
Total Power Consumption	20kW
Required Air Pressure	0.7Mpa
Net Weight	2460kg
Overall Dimensions (LxWxH)	7200x1450x1650mm

Further Features:

- Pre-Milling
- Infrared Pre-Heating
- Quick Release Glue Pot
- Snipping
- End Trimming
- Rough Trimming
- Fine Trimming
- Corner Trimming
- Scraping
- Buffing

Optional Extra Features:

- Pre-Melt System
- 2nd Quick Release Glue Pot
- Release Spray Unit
- Cleaning Spray Unit
- Stand Alone Cleaning/Heating Station

ALPHA 700 EDGE BANDER

Technical Features

Machine Body

- The steel plate of the mainframe is processed by advanced CNC milling machines for rigidity and a longer service life.



Pressure Beam

- Aluminum pressure beam provides precision and excellent rigidity.
- The position of the pressure beam is clearly visible at a glance via the digital display meter for rapid adjusting and resetting.
- The up and down pressure beam is electrically driven by a three-phase asynchronous motor, and is available to the operator via the touch screen.
- Limit position detection reduces possible accidents or faults.



ALPHA 700 EDGE BANDER

Technical Features

Feeding Unit

- **Interval feeding detection system** – designed for controlling the processing distance to enhance productivity.
- **A safety protection device** prevents any possible accidents and ensures safe operation for the operators, automatic monitoring of abnormal operation.
- **Panel support frame** with guiding rollers for the smooth flow of long panels.
- **Sheet rubber** for operator safety.
- **Emergency stop button**



Conveyor



ALPHA 700 EDGE BANDER

Technical Features



Pre-Milling Unit

- Pre-milling unit for de-burring.
- Milling diamond cutter (Standard: $\varnothing 120 \times 35\text{mm}$; Optional: $\varnothing 120 \times 65\text{mm}$).
- Two motors controlled by air cylinder (2 \times 3.7kW motors; Rotating speed: 12000 rpm).



ALPHA 700 EDGE BANDER

Technical Features

- 360° Dust Cover



Pre-Heating Device

- Pre-heating before gluing forms the optimum basis of a high standard of gluing.



ALPHA 700 EDGE BANDER

Technical Features

Gluing Mechanism

- Glue belt feeding
- EVA



Snipping Device

- Integrated cutting air cylinder with electric control switches for mass production.

Pressure Rollers

- One pre-pressure roller and four post rollers to press edging firmly onto the panel surface.
- Pressure rollers are suitable for pressing different thickness of edging onto panel surface.
- Different thickness of edging can be adjusted manually so as to achieve the best edging results.

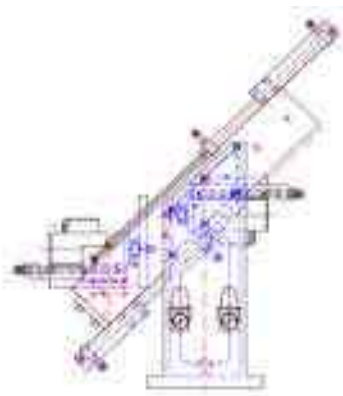
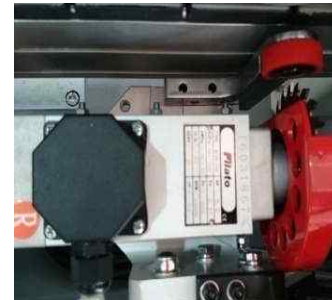


ALPHA 700 EDGE BANDER

Technical Features

End Trimming Unit

- Dual linear guide way structure at an angle of 45 degrees.
- 2 motors (power of 0.35kW, frequency of 200hz, rotating speed of 12000rpm).
- 2 saw webs (115 x 2.6 x 22 x 24Z)
- Equipped with independent protective cover.
- Independent Delta frequency convertor, Taida overload protection.
- Automatic lubrication system.



ALPHA 700 EDGE BANDER

Technical Features

Rough Trimming Unit

- Rough trimming unit with 2 powerful motors (0.75kW; frequency 200hz; rotating speed 1,2000rpm) are used to trim upper and lower edging.
- The angle is adjustable by manual operation, 0 to 5 degrees.
- Processed with 2 milling cutters.
- Independent dust extraction.



Fine Trimming Unit

- 2 motors (0.5kW; rotating speed 12000rpm)
- Electric with adjustable angle.
- 2 fine trimming milling cutters (circular arc radius: R2).
- Independent dust extraction.

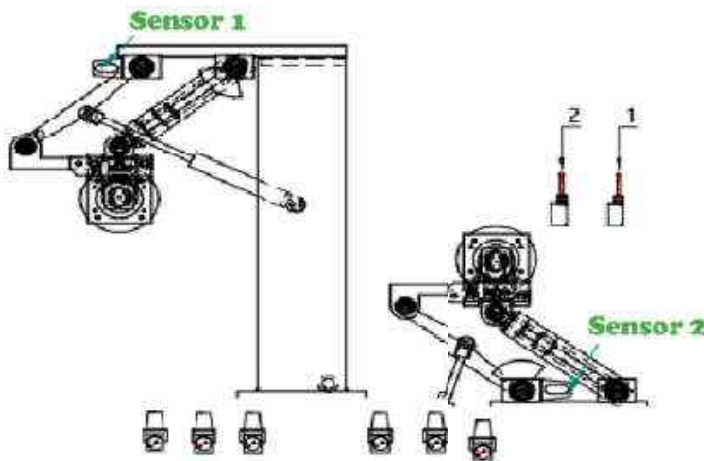


ALPHA 700 EDGEBANDER

Technical Features

Corner Trimming Unit

- Designed to trim sharp corner on front, back and two straight edges so as to achieve circular arc radius.
- Driven by 2 motors (power: 0.3kW; rotating speed: 12000rpm) cylinder.
- Rotating angle is adjusted automatically with a sensor.



ALPHA 700 EDGE BANDER

Technical Features

Scraping Unit

- Scraping done by R2 cutters.
- Equipped with digital display meter.



Buffing Unit

- Buffing unit with dual screen cloth structure to polish the top and bottom edges without any scratches on panel surface.
- Driven by continuous current dynamo, more stability.
- Equipped with digital display to adjust and reset rapidly.



ALPHA 700 EDGE BANDER

Technical Features

Dust Extraction

- All suction hoods are fully covered, each unit equipped with an independent suction hood.
 - Pre-milling x1
 - Rough trimming x1
 - Fine trimming x1
 - Scrapping x1
- Cleaning brush
- Air cleaning system



WoodTech Mechatronics

Strategic Qualifications

WoodTech is a company that manufactures specialized machinery primarily in the woodworking and plastics industry.

Historically we have been in business for 20 years and have machinery from our plant working in 20 countries on 5 continents and have distributors in 4 countries. Our product reliability and quality is professed by our customers and distributors. All machinery manufactured by WoodTech from day one are to the best of our knowledge still in active production.


WoodTech entered the CNC market thirteen years ago after a year's development in this area. Our development since then has been ongoing, seeking out the best components and systems to provide on our machines relative to the market segment that we aim those machines at. We believe we have mastered all aspects of CNC router manufacturing in the high performance 3 axis machines. Our top model, the C-Nest Prestige Router, currently performs at 90m/min rapid and 50m/min cutting speed and accelerations of 2,5 m\sec² which is among the highest in the industry. WoodTech does design its machines to be fit for purpose and is economical when correctly compared to opposition products.

WoodTech's facilities are of sufficient standard and capability to complete the entire project in house although some specialised work may be decided on to be contracted out. Our managing director is a mechanical engineer and our design engineers are also qualified mechanical and mechatronic engineers.

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