

WTM | WOODTECH MECHATRONICS

SIGMA 5000 Edgebander



Technical Data Specifications

MODEL	SIGMA 5000
Panel Length	120mm
Panel Width	80mm
Panel Thickness	12-60mm
Edge Width	12-62mm
Edge Thickness	0.4-3mm
Speed	12-20 m/min
Voltage	380V 3Phase
In-put Frequency (Hz)	50Hz
Power	14kW
Required Air Pressure	0.7 Mpa
Machine Size	6780 x 1000 x 1700mm
Gross Weight (wooden case)	2300Kg

FEATURES

	<p>Interval feeding detection system</p> <p>Designed for controlling the processing distance to enhance productivity.</p>
<p>Gluing</p> <p>Gluing the side to be edged.</p>	
	<p>Pressure Rollers</p> <p>Guillotine cuts the edging after application. The edging then runs against one pre-pressure roller and 4 post pressure rollers to press the edge tape against the board.</p>
<p>Pre-Milling</p> <p>Two milling cutters that de-burrs the panel to be edged ensuring flush edging against component. Helps to remove possible chipping that may have occurred in the cutting process.</p>	



End Trimming

Trims the excess edging on front and back of panel after edging application.

Rough Trimming

Trims the excess edging off the top and bottom of your panel.

Fine Trimming

Two R2 radius cutters trims and rounds edges to 2mm.



Corner Rounding

Designed to trim sharp corners on cabinet doors and drawer fronts to achieve R2 circular arc radius

Flat scraping

Top and bottom scrapers fine trims and cleans edges. Leaving edging flush with panel.

Gel scraping and Buffing

Cleans off any surplus glue on the top and bottom of the panel.



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.

 <https://woodtech.biz>

- Port Elizabeth (Head Office)

 134 Kempston Road, Korsten, Port Elizabeth, 6000, South Africa

 +27 (0) 41 453 2496

 info@woodtech.biz

- Johannesburg

 +27 (0) 83 634 4607

WTM

