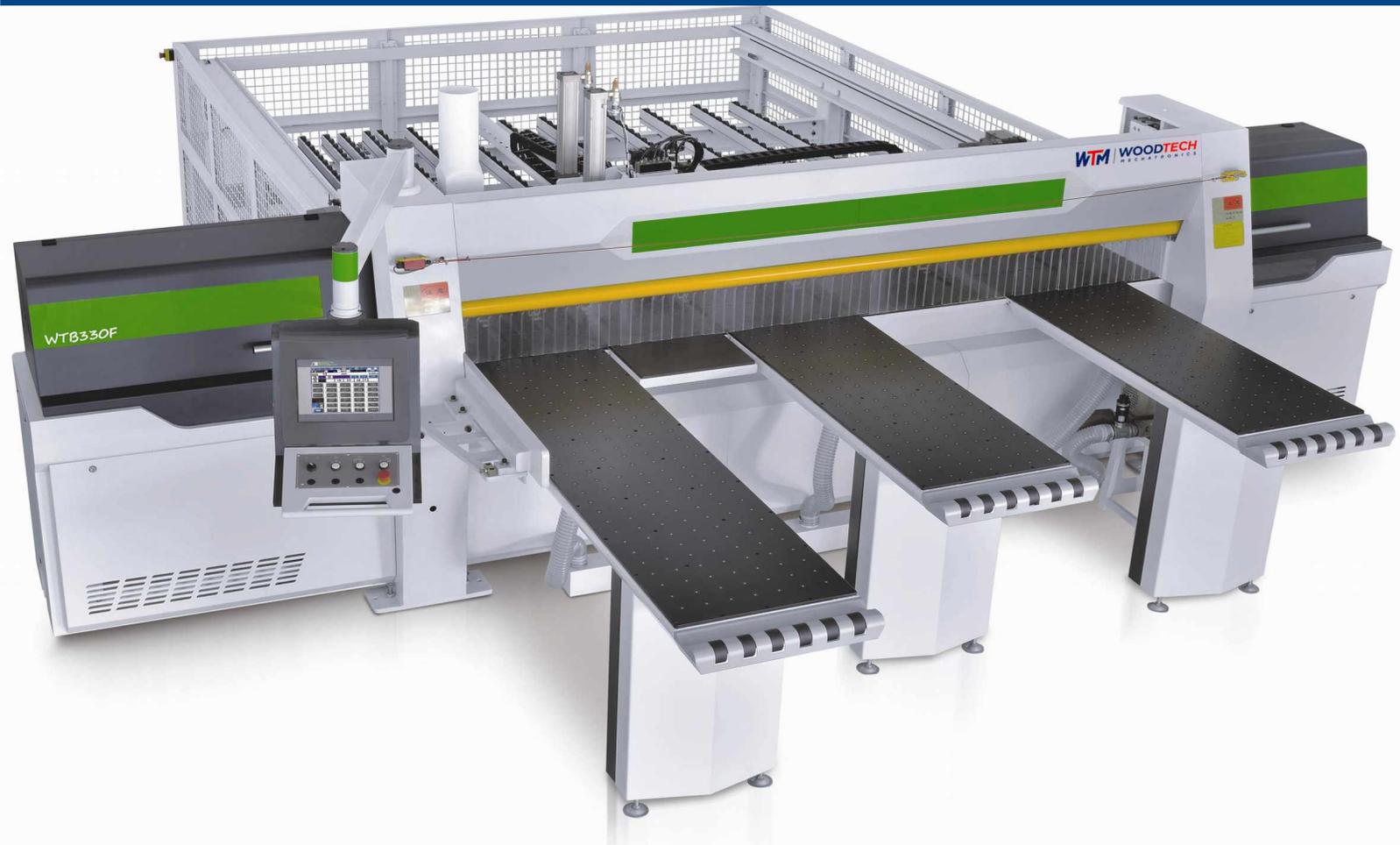


WTB330FG Beam Saw

Technical Data Brochure



WTB330FG Beam Saw

Technical Data Brochure

The WTB330FG Beam Saw is ideally suited for high speed cutting of multiple boards at a time.

The machine is ideal for medium to large size shop owners.



WTB330FG Beam Saw

Technical Specifications

Specifications Table

Cutting	Max. Cutting Length	3280mm
	Max. Cutting Thickness	90mm
Main Saw	Motor Power	15kW
	Rotating Speed	4200rpm
	Saw Blade Diameter	Ø400mm
	Saw Blade Inner Diameter	Ø60mm
Scoring Saw	Rotating Speed	6500rpm
	Saw Blade Diameter	Ø180mm
	Saw Blade Inner Diameter	Ø30mm
Saw Carriage	Motor Power	1.0kW
	Forward Speed	5-90m/min
	Backward Speed	120m/min
Feeding	Automatic Feeding Motor	1.5kW
	Feeding Speed	90m/min
Dust Extraction	Ø150mm x 3, Ø125mm x 2	
Power	Total Power	21kW
Overall Dimensions	Length x Width x Height	5830 x 6630 x 1810mm
Net Weight		6200kg

Machine Specifications subject to change.

Final specifications for machines ordered are depicted on our quotation sheets and are not necessarily the same as the specifications as shown on this brochure.

WTB330FG Beam Saw

Technical Features

Frame Work

- The steel frame is welded with heavy steel plates by a professional metal processing center. The frame is heat treated ensuring a solid and stable structure allowing for high speed performance.



Saw Carriage

- Saw carriage adopted standardized assembly.
- And has been tested over a long period.



WTB330FG Beam Saw

Technical Features

Saw Carriage Driver

- The saw carriage is driven by servo motor through rack and pinion to ensure cutting precision.
- Main saw and grooving saw are belt drive.
- Main grooving saw is fitted with double saw blades in both directions to reduce the incidence of chipping on laminated board.
- Forward speed: 5-90m/min.
- Saw carriage backward speed: 120m/min.
- Servo motor power 1.5kW.



Floating Feed Table

- Floating feed table with steel balls to reduce scrapes and scratches on panel surfaces.
- Paired with a 2.2kW air blower.
- Flow rate: 5.2m³/min.



WTB330FG Beam Saw

Technical Features

Pressure Beam

- Ensures an even pressure on the whole surface of the panel while doing cross cuts.
- Piano type dust cover provides a completely enclosed blade guard and prevents flying dust and chips.



Measuring Device

- Panel thickness is measured automatically which automatically adjusts the beam height to ensure the correct pressure beam height.



WTB330FG Beam Saw

Technical Features

Grippers

- 8 grippers (standard configuration); 9 grippers (optional).
- Pneumatic clamping for best feeding performance.
- The grippers are driven by servo motor through precise rack and pinion.
- Pinion and rack on both sides for balanced guiding.



Feeding Driver

- Central location of servo motor for high precision and stability.
- Motor Power 1.0kW.
- Pinion and rack feeding structure to improve precision.



WTB330FG Beam Saw

Technical Features

Hand Protector

- A protective device mounted on pressure beam for protecting operators.
- Main operation interface with scram button.



Side Alignment

- When performing cross cut, one roller (2 in total) automatically compress the work piece tightly to ensure high cutting accuracy.



WTB330FG Beam Saw

Technical Features

Dust Extraction

- 5 dust extraction points below the working table to ensure maximum dust extraction.
- $\Phi 150\text{mm} \times 3$; $\Phi 125\text{mm} \times 2$.



Machine Control

- User-friendly HMI coordinated with USB interface, network card, mouse and keyboard for easy operation.
- Controlled by IPC, Windows operating system, professional computer saw cutting software.
- Optimization software ensures high utilization of panels, reduces the unnecessary costs of production so as to increase the income and the cutting pattern can be generated automatically.
- Label printing function is available (pattern is optional).

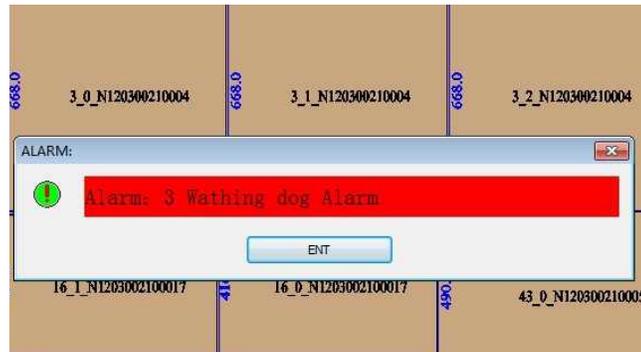


WTB330FG Beam Saw

Technical Features

Error Display

- The alarm displays error code and description informs operator with the course of error rapidly to improve work efficiency.



Optimizing Software

- Connects perfectly with the machine for the best layout of material list.
- Off-cut management

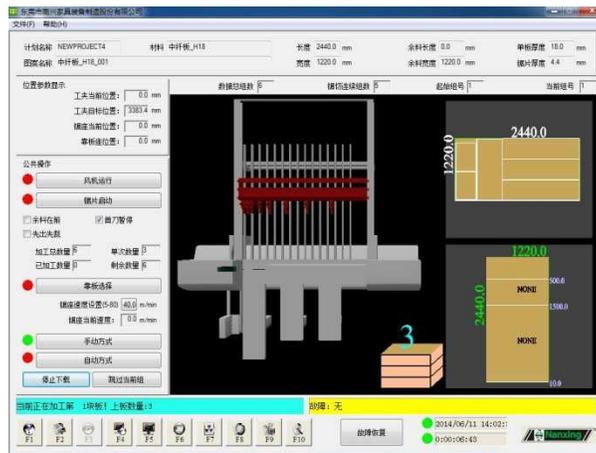


WTB330FG Beam Saw

Technical Features

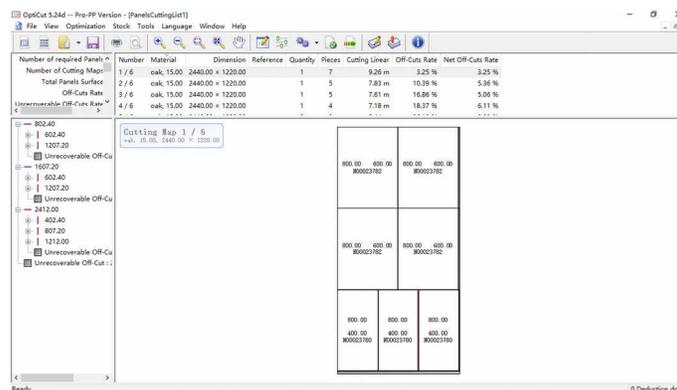
Operational Software

- The layout, direction and the number of the whole boards can be indicated graphically on the screen while cutting.
- The use of panel guide and how to cut can be determined.



OptiCut Software (OPTIONAL)

- OptiCut software as an option to meet various requirements.



WTB330FG Beam Saw

Technical Features

Automatic Lubrication System

- The automatic lubrication system ensures smooth operation, easy maintenance, and reduces repair costs.



Electrical Cabinet/Box

- All electrical components are recognized high quality international brand which are readily available.



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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WTM

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