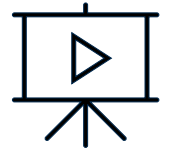


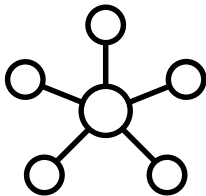
Wood Tech smart edge banding machine

PERFECT EDGES FOR QUALITY-CONSCIOUS CUSTOMERS IN CRAFTS, MEDIUM-SIZED BUSINESSES AND INDUSTRY - THAT'S WHAT WOODTECH STRIVES FOR IN WOODWORKING.

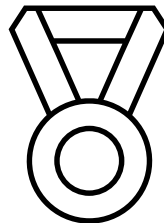
SMART MODEL WITH 2 PENUMATIC CONTROLLED FINE TRIMMING UNITS AND 2 PNEUMATIC CONTROLLED SCRAPING UNITS AND LABEL READER.



SEE IN ACTION
HERE



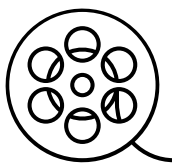
EASY APPLICATION
WITH OTHER BRANDS



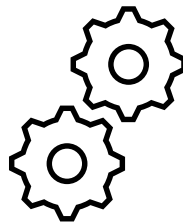
TOP OF THE LINE
QUALITY FOR LOWER
COST



EASILY REDUCE MATERIAL
CONSUMPTION



GLUING UNIT WITH QUICK
MELT FOR FASTER TAPE
CHANGE



WIDE V-BELT PRESSURE
TO MAXIMIZE STABILITY



3 YEARS OF
WARRANTY

TECHNICAL HIGHLIGHTS

The Wood Tech NB7PCG-PC smart edge banding has full functional units including pre-milling, pre-heating, pre-melt, quick melt + 4 tapes changing system, dual rails for end trimming, pneumatic tool adjustment by 2 fine trimming, 4 motors with tools for corner trimming, pneumatic tool adjustment by 2 radius scraping, pneumatic flat scraping, final scraping, buffing; Panels are evenly pressed by V-belt to maximize stability. Large pre-melt tank allows sufficient glue for even fast continuous edge banding, also auto edge tapes changing system can select any one fast from 4 thicknesses of edge tape. Nesting kit design is friendly for pre-drilled parts, PC control.

The machine is in compliance with the applicable CE directives.

DESCRIPTION OF DELIVERY

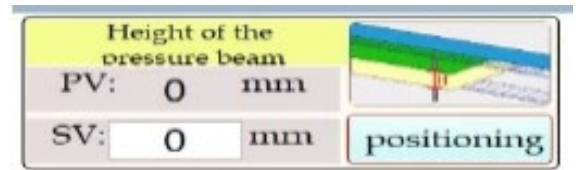
TOP PRESSER BELT



Fiber reinforced v-belt with groove on surface ensures smooth and stable conveying of workpiece but clean with no marks, resulting excellent edge banding quality.



Pressure beam of heavy duty, high stability enable pressure force to be allocated evenly from front to the end but without deformation.



The height of pressure beam is able to adjust by electronic regulator, its movement driven by asynchronous motor, controlled by encoder that is available to operate in touch screen.

SPRAYING DEVICE/RELEASE AGENT



Several Riepe Spraying release agent stations on the machine, this improves panel finish quality for the finished workpiece, the stations can be switched off by the PC control should it not be required e.g.: veneer material.

PRE-MILLING



Pre-milling with diamond cutterblock $\varnothing 125 \times H63 \times \varnothing 30$ Z3+3 simply handle the panel edge before gluing offers optimum basis of binding effect. Two motors controlled pneumatically, milling panel edge intermittent. $2 \times 3.7\text{kW}$ motors; 200Hz Rotating speed: 12,000 RPM.

PANEL PRE-HEATING



Onboard Panel Pre-heating Station on the machine. This warms the work piece edge so better adhesion of the warm glue to the panel. This also takes moisture from the panel edge drying it prior to application of glue.

EDGE TAPE FEEDING BY SERVO MOTOR



4 bay tape cassette which can be used on the machine, each position has the ability to have multiple rolls where if you had multiple colours the same the machine operator has the ability to select another coil position via the PC for faster tape changeover saving setup time. While the machine is running production the empty coil holder can be topped up.



Each coil position is controlled by a servo motor, this technology is also cost saving due to shorter tape overhang on the front edge of the panel being fed.

GLUING UNIT



Quick-melt tank

Pre-melt gluing system has a glue tank on top to offer proper glue volume according to processing, save heating-up time, and a small glue pot on bottom, thus reducing the carbonization and vulcanization from burning up of glue resins, keep glue always fresh.

Liquid level sensor detection device controls the glue amount accurately so as to prevent overflow.

Just one screw to release and install glue pot, 60mm high gluing roller, more glue supplying suitable for mass production, long parts.

25KG GLUE HOPPER



25kg capacity basin, glue would be pumped to pre-melt system's upper pot automatically as soon as lower than level sensor.

GUILLOTINE



Edgetape guillotine station for cutting the tape from a roll.

PRESSURE ROLLERS



One pre-pressure roller with a diameter of 100mm plus 6 post rollers to press edge tape on panel surface firmly. Pressure regulating valve 1.5~2.5 bar.

DESCRIPTION OF DELIVERY

DUAL RAILS FOR END TRIMMING



Dual rail end trimming unit: front & back tape trimmings by two separated cutters mounted on rails, no waiting from only one single rail, hence higher productivity and stability. Min. panel interval 300mm. The angle 45 degrees is able to adjust due to motor manual rotating device.

2 motors with power of 0.37kw, frequency of 200hz, rotating speed of 12000 RPM; 2 cutters have a specification of 115*2.6*22*24Z with independent protective cover.

2 SETS OF FINE TRIMMING UNITS



Triple roller nesting kit, for predrilled boards.

Fine Trimming 1

2 motors (power: 0.75kW; frequency: 200Hz, rotating speed: 12000 RPM). 2 fine trimming milling cutters (Standard: R2);

Fine Trimming 2

2 motors (power: 0.55kW; frequency: 200Hz, rotating speed: 12000 RPM). 2 fine trimming milling cutters (Standard: R1); 2 position tool adjusting, just one click to switch between thin edge to thick edge which saves time of adjusting.

CORNER ROUNDING



Designed to trim sharp corner on front, back and two straight edges so as to achieve R circular arc radius.

Driven by 4 motors (power: 0.3kw; frequency: 200 Hz, rotating speed: 12000rpm/min).

Planar linkage with 4 corner rounding tool R1 3Z.

2 SETS OF SCRAPING UNITS



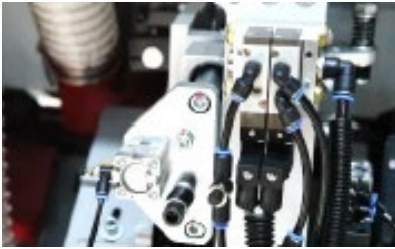
Triple roller nesting kit, for predrilled boards.

2 Sets of scraping units scraping the edge by R1 & R2 cutters (Standard).

2 position tool adjusting, just one click to switch between thin edge to thick edge which saves time of adjusting.

DESCRIPTION OF DELIVERY

2 POSITION PNEUMATIC TOOL ADJUSTMENT



Fast switch between thin tape and thick tape by just one click without need of opening machine cover to twist screw, resulting in shorter setting up time, max convenience and higher productivity.

OFFCUT DEVICE



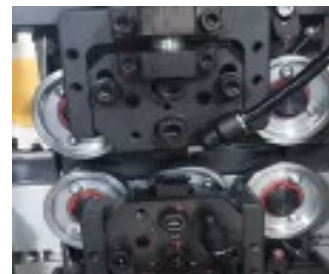
Off cut device cleaning tape threads from scrapping, so as to prevent any problem later during flat scraping and buffing.

SPRAYING DEVICE/CLEANING AGENT



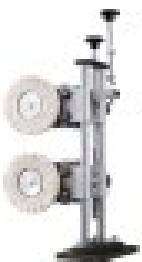
Spraying cleaning agent on workpiece surface to clean board surface.

FLAT SCRAPING



Removes residual glue from the top and bottom of the panel for premium finish. There is a set of Riepe Spray Nozzles before this process to release the glue from the panel.

OSCILLATING BUFFERS



1 x Oscillating buffing unit, even wear of the buffing pad which creates a cleaner finish for a longer period of time.

Driven by continuous current dynamo, more stably.

Motor: 0.37 kw.

LABEL SCANNER



QR code scanning gun for automatic machine configuration.

NESTING KIT

This device allows machining of nesting configured panels, in areas with drillings or routings either through or blind, for hinge or other assembly components inserting for the piece of furniture. This set-up prevents the bottom or upper vertical copiers from damaging those special machining.

SUPPORT COLUMNS



With high rigidity and strength, the pressure beam and the whole machine is fixed firmly.

LUBRICATION SYSTEM



Oil Lubrication system lubricated important areas on the machine while the machine is running, easy operation.

POWERED OUTFEED DEVICE



It's designed to use in production line, with separate control panel.

SAFETY DEVICES: FEEDING PROTECTOR & THICKNESS PROTECTION



Protector prevents any possible accidents and ensures safety of operators, automatic monitoring abnormal operation.

Work piece thickness detection, if work piece thickness over the limited position, conveyor will stop at once to reduce machine damage.

Interval feeding detection system

Keep work pieces in proper distance for max edge banding performance.

TECHNICAL DETAILS

SWITCH & INDICATION LIGHT



Remote switch enables the operator to stop or start the machine anytime during the process that provides the max. convenience for any adjustments if required.

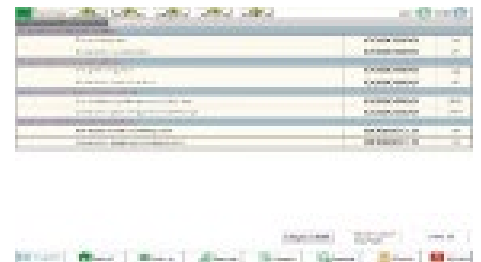
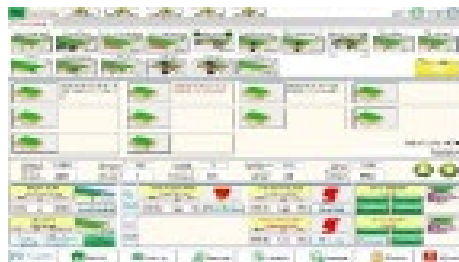
Operation indicating light, this enables other personnel to see the machine status from a glance.

EMERGENCY STOP



To stop running at once, this guarantees the machine and operators safety.

PC CONTROL SYSTEM



Recording data for statistical analysis such as tape wastage and operating ratio.

Identify label information and switch machine setting as desired according to the part.

One click start can be achieved manually or via scanner.

User friendly interface

Interface is simple and user friendly. Control of every unit independently. Produce easy to read production reports including part counting and metres edged.

SUPPORTING INFORMATION

DUST COLLECTION



Independent suction hood ($\phi 125\text{mm}$) fully covered on processing units, totally 7 pcs dust collectors provides excellent working condition, prevent any influence caused by scraps for longer service life.

ELECTRICAL



PLC control, input voltage 380V, 50Hz (standard). Frequency converter with motor braking function.

Phase sequence protector

Most of the electrical components of the machine are adopted international brands for high quality and generality.

DESIGN & CONSTRUCTION



Heavy duty machine body is welded with thick laser-cut steel plates, then through processing of advanced CNC machine for metal work, hence enhances the stability and strength and reduces the vibration in the process. The machine net weight is up to 4750kg. Some casting parts used on the machine guarantees longer service life without deforming.

ENERGY SAVING

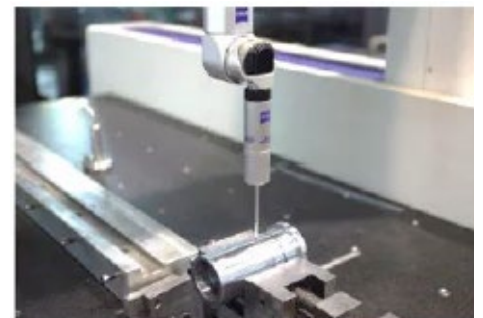
Stand-by mode automatically turns on when the machine stops working for a certain period (according to the setting time). The glue temperature will lower down to prevent carbonisation, so as rotating of glue rollers to save energy.

PROFESSIONALLY ASSEMBLED



Assembly is the final and most important step for superior machine performance. Woodtech's edgebanders are professionally assembled by experienced technicians to guarantee machine standardisation and performance.

QUALITY CONTROL



The advanced measuring equipment and strict quality control system also helps to make sure that the final machine we offer to our customers is of the highest quality.

SUPPORTING INFORMATION

Panel length (corner trim)	120 mm (200 mm)
Panel width	80 mm
Min panel size	120 mm x 80 mm
Min panel size (corner trim)	200 mm x 80 mm
Panel thickness	9 mm – 60 mm
Edge tape	0,4 mm – 3 mm
Edge tape width	15 mm – 65 mm
Feeding speed	18/22/26 m/min
Feeding speed with corner trim	22 m/min
Dust outlet	8 x 125 mm dia.
Weight	4750 kg
Dimensions	9650 x 1450 x 1850 mm

