

Automatic Edge Banding Machine NB650N(NB5JN)



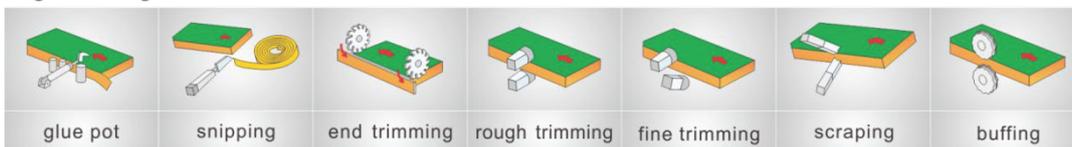
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 <p>3-year warranty* ensuring no hassle and unforeseen costs</p>	 <p>Quick return on investment</p>	 <p>Low Total Cost of Ownership</p>	 <p>Ensuring low price by sourcing cleverly in large quantities</p>
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Description

NB5JN is mainly used for edge banding of various tapes including PVC, ABS, acrylic etc. And merges numerous relevant functions such as automatic feeding, gluing, snipping, trimming, scraping and buffing on one machine, special for narrow panel min. 30mm in width.

Edge banding direction →



Details

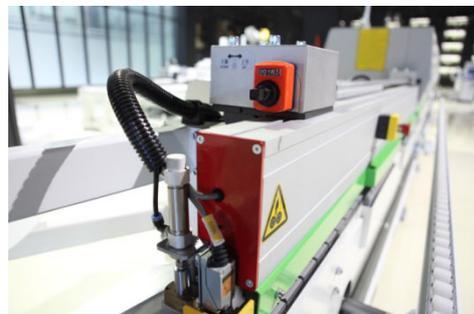
1. Machine body

- High precision and quality thanks to advanced CNC and robot for metal work.
- Steel plate is cut by laser and welded to the body structure via one process that means the greatest reduction in error.



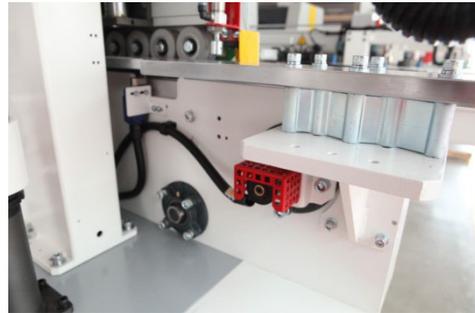
2. Top presser

- Aluminum pressure beam provides excellent stiffness and long service life.
- The height of presser beam adjusted automatically based on work piece's thickness just by inputting the work piece information on touch screen which saves a lot of time.
- Flat rollers connected compactly in row press work pieces tightly to make sure the work pieces could convey without displacement.



3. Conveyor

- Two steel rods of high rigidity connect the “stretched support conveyor” to the machine body to ensure the stable conveying of the wide work pieces. Max stretching width is 600mm.
- Long steel plate of high thickness and rigidity for longer service life and extra stability during the banding work.
- The abrasive resistance of accurate semicircle guide rail is improved based on hardening treatment.
- Conveying piece of high quality and longer service life.
- The conveying motor makes variable frequency starting possible, very stable and equipped with braking system.



4. Feeding assistance for narrow edge

- Narrow edge is accessible thanks to the feeding assistance specially designed for narrow edge (min. panel width 30mm).



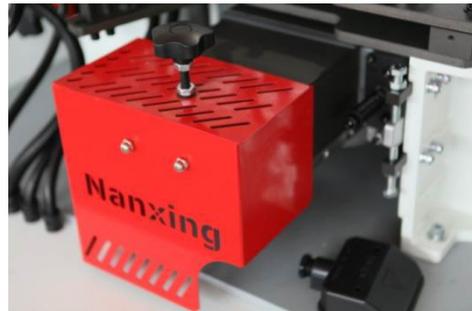
5. Pre-heating

- Pre-heating before gluing for better binding effect, especially suitable for wet conditions.



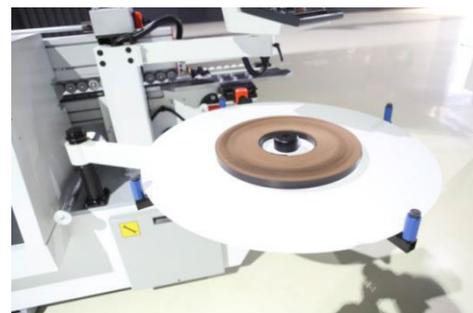
6. Glue pot

- Traditional way of gluing is stable, Teflon coated glue pot for EVA hot-melt glue has a high capacity.(about 5L)



7. Edge tape storage

- With high quality for longer service life.



8. Gluing and snipping

- Gluing the panel edge evenly thanks to a rotating gluing roller. 5
- Snipping air cylinder with electric controlled switch.



9. Pressure rollers

- One pre-pressure roller and four post rollers allow edge tape to be pressed on surface of panels firmly.



10. Lubrication system

- Lubrication system could meet the requirement of daily maintenance, easy operation and save the possible costs.

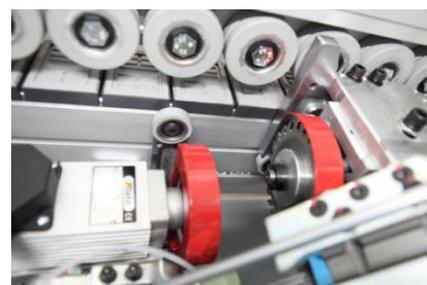


11. End trimming

- Linear guide way structure at an angle of 45 degrees with 2 motors 0.35kw 200hz 12000rpm/min to remove the extra edge tape on front and back.



- 2pcs of saw blades with independent cover.



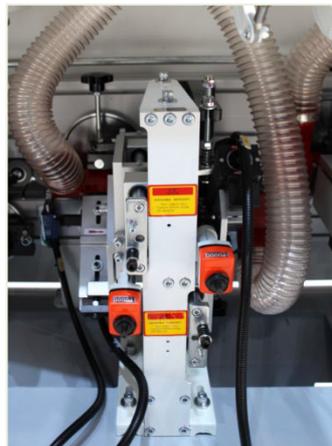
12. Rough trimming

- Rough trimming unit with 2 powerful motors of world famous brand (power 0.75kw; frequency 200hz; rotating speed 1,2000rpm/min) and 2 milling cutters;
- Positioning device with high stiffness and quality for longer service life.



13. Fine trimming

- 2 motors (power: 0.55kw; frequency: 200hz, rotating speed:12000rpm/min). 2 fine trimming milling cutters (Standard: R1.5);



- Cleaning device to make sure the scraps could fall into the dust collector exactly that provides a good working condition.



14. Scraping

- Scraping the edge by R1.5 cutters (Standard), making edge banding more beautiful.



- Air blowing device blowing toward the scraping cutters on upside and underside for cleaning the scraps on cutter surface and cooling.



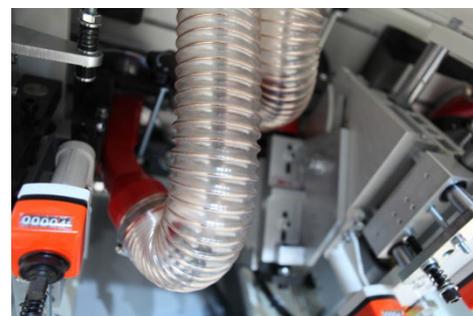
15. Buffing

- Buffing by dual screen cloth structure is the last step to make perfect edge banding to make the edge shining, more stable.



16. Dust collection

- Independent suction hood (φ125mm) on processing units are fully covered:
 - -Rough trimming *1
 - -Fine trimming *1
 - -Scraping *1



17. Safety device

Interval feeding detection system

- Controlling processing distance to enhance productivity.



Max. panel thickness detection

- If panel thickness over the limited position, conveyor will stop at once that prevents possible damage to the machine.



Scram button

- Some scram buttons in proper place to stop running at once, guarantee operator life safety.



18. Switch

- A switch outside the machine enables the operator to stop or start the machine anytime during the process that provides the max. convenience to adjust or test the machine.



19. Control system

- The operation interface with 7" touch screen is intuitive and simple, information on the machine status is available at a glance. System languages: English and Chinese. 9
- Each working unit is controlled by independent frequency converter.



20. Electric equipment

PLC control, input voltage, 380v, 50Hz (Standard). Frequency converter with motor braking function;

Phase sequence protector

Most of electric components of the machine adopted international brands for high quality and generality. Permitting to be operated under the temperature of 0-40°C.



21. Narrow edge

- Min. 30mm in width.



Technical Data

Panel length:	≥120 mm
Panel width:	≥30 mm 120*120mm (Four
Mini. Panel size:	sides] 200*30mm (Length side) 200*40mm (Short side)
Panel thickness:	9-60 mm
Edge tape thickness:	0.4-3 mm
Feeding speed:	12-24 m/min
Power supply:	380 V; 50 Hz
Air pressure required:	0.7MPa
Operation system	7" touch screen
Dust collector	Φ125mm×3
Total power:	14 kW
Approx. weight:	1860 kg
Overall dimension:	5,500*1,050*1,650 mm

*Thanks for the attention!

The company continuous to improve the product specifications and design details, the specifications are subject to change without notice. 80227