

Auto Edge Banding Machine NBC332S

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Description

Feeding, gluing, snipping, end trimming, fine trimming, scrapping, buffing work could be done automatically in one process. Fast processing, save time, save space, simple operation, and save money. Total length of machine is 3900mm

Edge banding direction



Details

1. Machine body

- Heavy duty machine body is welded with thick laser-cut steel plates, then through processing of advanced CNC machine for metal work, hence enhance the stability and strength, reduce the vibration in the process;
- Frame body pass the **heat treatment** and **vibration aging treatment** to guarantees the whole service life without deforming.
- After **sandblasting** and **painting**, the top-grade CNC metal processing machines are used to process the body and components to make sure perfect quality and detail.



2. Professional assembly line

- Nanxing follow the SOP and set up the professional assembly lines. All the assembling is worked out by the experienced technicians that guarantee machine standardization and performance.



3. Quality control

- Advanced measuring equipment and strict QC system help to make sure the machines and parts are checked and certificated by very high standard.
- All the machines are delivered with Quality Certificate signed by QC specialist.



4. Top presser

- Aluminum pressure beam provides excellent stiffness and long service life.
- The height of presser beam is available at a glance with a digital display and easy to adjust via handwheel.
- Rubber rollers connected compactly in rows press work pieces tightly to make sure the work pieces could convey without displacement.



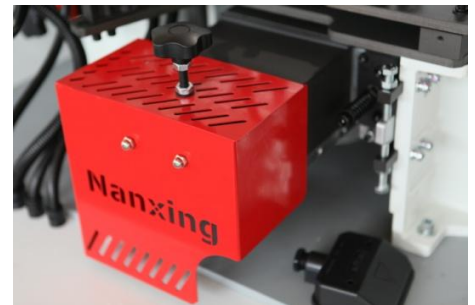
5. Conveyor

- Long straight semicircle guide rail is through hard treatment before installation, conveyor piece can perfectly contact with the guide rail, almost no gap.
- 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 edge banding work.
- The conveyor motor makes variable frequency starting possible, very stable and equipped with braking system. Easy to install or uninstall.



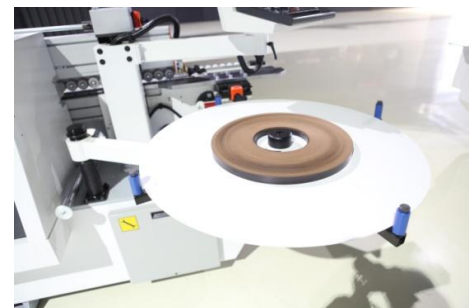
6. Glue pot

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



7. Edge tape supporter

- Edge tape supporter of high quality and stability is in proper height for smooth edge tape feeding and longer service life.



8. Gluing and snipping

- Gluing the panel edge evenly thanks to smooth rotating speed of gluing roller.
- Snipping air cylinder with electric controlled switch to cut the edge tape properly.



9. Pressure rollers

- One pre-pressure roller of 100mm diameter coordinates well with three post rollers make edge tape pressed on edge surface firmly.



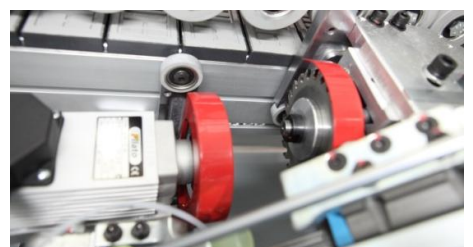
10. Lubrication system

- Lubrication pump for daily maintenance, greasing work of guiding rail just by pulling the handle. Easy and save time.



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.
- High precision linear guides – for very high repeatability.
- 2pcs of saw blades (105*3*22*24Z) with independent cover.



12. Fine trimming

- 2 motors (power: 0.55kw; frequency: 200hz, rotating speed: 12000rpm/min). 2 fine trimming milling cutters (Standard: R1.5);
- Guiding board with high stiffness and independent cover on cutters for longer service life.
- Motor angle can be adjusted to most suitable angle for best R result.



13. Scraping

- Scraping the edge by R1.5 cutters (Standard), making edge banding more beautiful.
- Air blowing device blowing toward the scraping cutters for cleaning the scraps on cutter surface and cooling.



14. Buffing

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



15. Dust collection

- Independent suction hood ($\varphi 125\text{mm}$) on processing units, 2 dust collectors
 Fine trimming *1 -Scraping *1



16. Safety device

Feeding protector and thickness detection

- 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.

E-STOP

- To stop running at once, guarantee operator life safety.



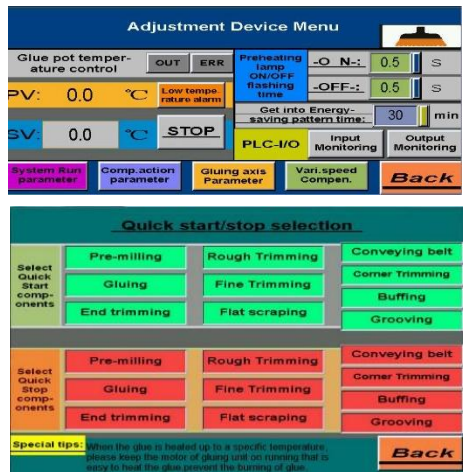
17. Control system

- 7" touch screen. Operation interface is intuitive and simple, available to control each component independently and generate statement accordingly.
- System languages: English, simplified Chinese, and traditional Chinese. Each working unit is controlled by independent frequency converter.



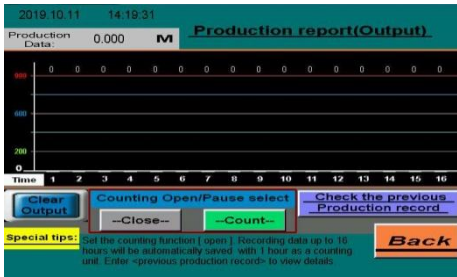
18. Energy saving

- Stand-by mode automatically turned on when machine stops working for a certain period (according to setting time) in order to save energy. Only one click to re-start production.
- One-click Selection, quick start/stop.



19. Production report

- Daily production included workpieces number and length is available at a glance



20. Electric equipment

- PLC control, input voltage 380v, 50Hz (Standard).
- The position can be calculated precisely by encoder
- Each processing unit is controlled and protected by independent frequency converter with motor braking function.
- Most of electric components of the machine adopted international brands for high quality and generality.



Good documentation, each wire has a unique code label which offers max convenience for troubleshooting and online support.

21. Shipping drawing

- One 40GP is able to load 6 machines, save shipping cost.

NO.01	NO.03	NO.05
NO.02	NO.04	NO.06

Technical Data

Panel length:	≥120 mm
Panel width:	≥60 mm
Mini. Panel size:	120×60mm
Panel thickness:	9-60 mm
Edge tape thickness:	0.4-3 mm
Feeding speed:	16/20/24m/min
Power supply:	415 V; 50 Hz
Air pressure required:	0.7MPa
Operation system	7" touch screen
Dust collector	Φ125mm×2
Total power:	10.8 kW
Approx. weight:	2,100 kg
Overall dimension:	3,900*785*1,440 mm

**Thanks for the attention!*

The company continuous to improve the product specifications and design details, the specifications are subject to change without notice. 200409