

Computer Panel Rear Feeding Saw NPL380D

[Twin pushers]



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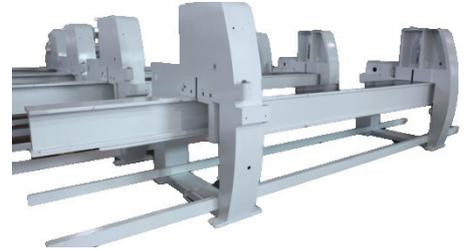
Description

Independently working 2 sets of clampers of different functions built within machine, clamber device and pusher bar setting independently, cutting boards synchronously in different sizes either both boards by crosswise cut or combined differently with crosswise and lengthwise cut, increasing cutting capacity by 30%

Details

1. Machine body

- Special designed machine body constructed with high tensile strength steel, must undergone properly metal fabrication process in order to make sure maintaining its accuracy and durability.



2. Professional assembly line

- Assembly is final and important step for better machine performance. Nanxing's professional assembly lines from machine body to small electrical components were by experienced technicians that guarantee machine standardization and performance.



3. Quality control

- Advanced measuring equipment and strict QC system also help to make sure the final machine we offer to our customers are of high quality;



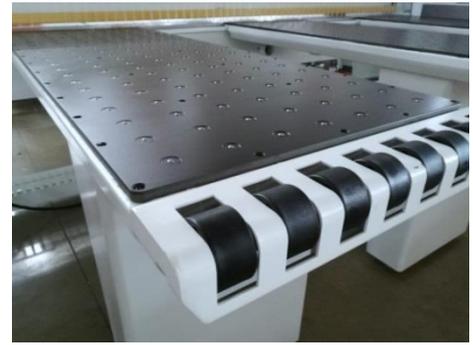
4. Steel table plate

- High stiffness steel plate with long service life, precision up to $\pm 0.03\text{mm}$, reducing the possible maintenance costs.



5. Air float feed table

- Full of air steel balls on table surface with a fan ensures a constant ease of panel stacks movement, the black table plate is rigid and wear proof ensuring best way to protect panel surface.



- Separate 3 pipes connected to 3 float tables with a 2.2kw air blower beneath the table supplies sufficient air. Flow rate: 5.2m³/min.



6. Rear feeding

- Hydraulic rear feeding lift table with max 5t loading capacity, combined with powered and non-powered conveyors making it convenient to feed panels from left, or right side (feeding from left, right, and back side to be specified and optional). Maximum stack height up to 1200mm.

Tip: It is necessary to dig a pit for the lift table or raise the machine and unloading device to achieve max. loading capacity of lift table.

- Precision of rear pusher bar handling panel within 8mm.



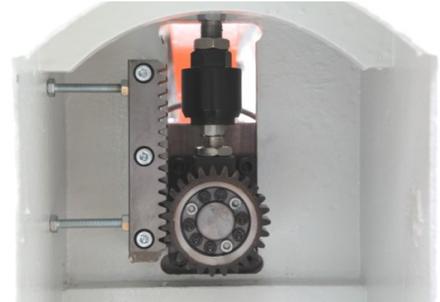
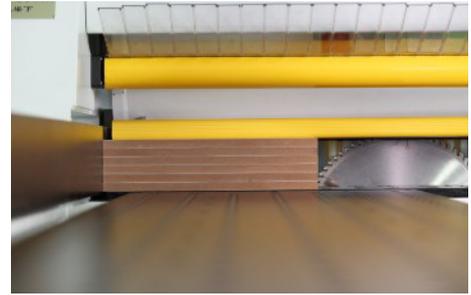
7. Side alignments

- When performing cross cut, 2 side alignments automatically compress the work piece tightly from side to guide alignment for perfect square cut.



8. Pressure beam

- Pressure beam automatically self-adjusted according to the total height of panels, to shorten the travel range, hence higher efficiency. 4
- Single pressure beam makes evenly pressure applied on the whole work piece surface, increase the pressure apparently, thus reduce the chipping of work piece edge
- Movement of pressure beam by precise rack and pinion on both sides.



9. Hand protector

- A protective device will fall down before cutting, and rise after cutting, machine would stop emergently if there is something underneath, that keeps operators from hurt.



10. Piano dust cover

- Piano type dust cover provides a completely enclosed blade guard and prevents flying dust and chips.



11. Twin pushers

- Firm joist steel supporter on both sides, precise positioning.
- Independently working 2 sets of clampers (10pcs in total) of different functions built within machine, clamber device and pusher bar setting independently, cutting boards synchronously in different sizes either both boards by crosswise cut or combined differently with crosswise and lengthwise cut, increasing cutting capacity by 30%
- Central located AC 2kw servo motor guarantees the average force on rack and pinion of both sides for stable movement.

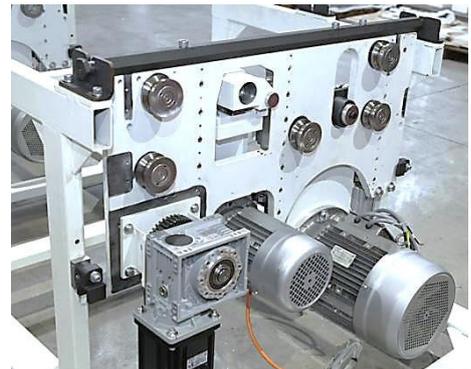


12. Saw unit

- Saw carriage by 2kw servo motor along rack and pinion, automatically moved to fit based on the width of panel, reduces travel distance. Max forward speed up to 90m/min, backward speed up to 120m/min.
- Both main saw and scoring saw with independent movements of up and down, also main saw automatically self-adjusted minimizing the lifting height for efficiency besides making best finish. Guiding rail with Germany brand for better stability.
- Quick exchange of main saw blade, ideal design for operator.

- ⚙ Main saw is 15kw, 4500rpm/min,
inner ϕ 60mm outer ϕ 380mm
- ⚙ Scoring saw is 4300rpm/min
inner ϕ 45mm outer ϕ 200mm

Tip: Saw blades are not included.



13. Dust collection

- Reduce flying chips and dust, convenient working condition contributes to extend service life. $\phi 150\text{mm} \times 3$



14. Automatic lubrication system

- The automatic lubrication system greases the main transmission components automatically that reduces the need of maintenance by operators.



15. Machine control

- User-friendly HMI IPC coordinated with USB interface, network card, mouse and keyboard for easy operation; Chinese and English are available.
- Controlled by PLC Windows operating system and Nangxing's professional computer saw cutting software.



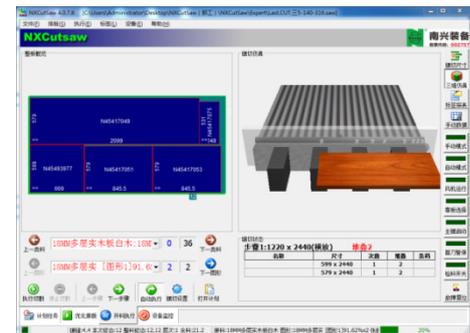
16. Optimizing software NXParo

- Professional optimizing software equipped within machine for high handling efficiency and convenient operation, other worldwide popular software also possible to be applied.



17. Operation software

- Powerful software so easy to use, including managing the work process with detailed reports, simulating cutting patterns, showing any error message, printing bar code and many more advantages, also user friendly HMI, making whole machine much reliable.
- Additional function for re-work of any particular piece (scanner optional), a good helper for customized furniture production, completely solved problem raised from possible setting mistakes and occasional errors caused by operator.



18. Control cabinet

- Most of electric components of the machine are international brand for high quality and generality.

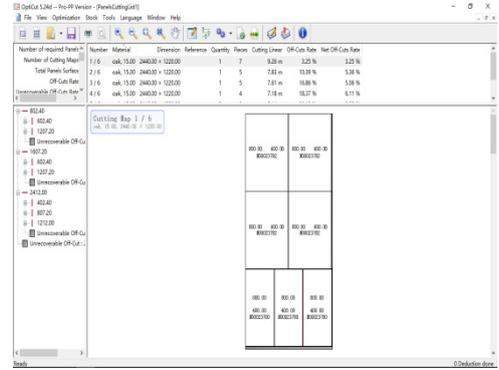


Option

1. Printer



2. Opticut software



Technical Data

Max. cutting length:	3,800mm	
Max. cutting thickness:	120mm	
Main saw	Motor power:	18kw
	Diameter:	460mm
	Diameter of axle:	60mm
	Rotating speed:	3,910rpm
Scoring saw	Motor power:	2.2kw
	Diameter:	180mm
	Diameter of axle:	45mm
	Rotating speed:	4,150rpm
Saw carriage	Drive motor power:	1.5kw
	Forward speed:	90m/min
	Backward speed:	120m/min
Automatic feeding motor power:	2kw(AC servo)	
Feeding speed:	80m/min	
Rear feeding speed	60m/min	
Dust collector	Φ150mm*3	
Rear feeding speed:	60m/min	
Total power:	40kw	
Working height:	980mm	
Net weight:	11,500kg	
Overall dimension:	9,800*9,400*2,020mm	

*Thanks for the attention!

The company continuous to improve the product specifications and design details, the specifications are subject to change without notice. 80915