



DOOR SIZING

KHM 550B





KHM550B DOOR SIZING 4 sides in 1 pass



KDT – an Introduction:

KDT are a major manufacturer of panel-based machinery with over 20 years of technical knowledge and experience. They export successfully to all major world markets a comprehensive range of Edgebanders, Beamsaws, Panelsaws, Flow through production lines, CNC routing and Drilling machines. Annual production capacity is 28,000 machines

Click here and take a look...

<https://www.youtube.com/watch?v=xoqp9XiLNds&t=10s>

KDT machines are built to work hard and designed to last.



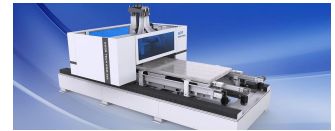
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All features and product specifications subject to change without notice



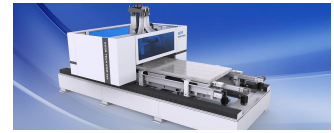
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KDT KHM550B



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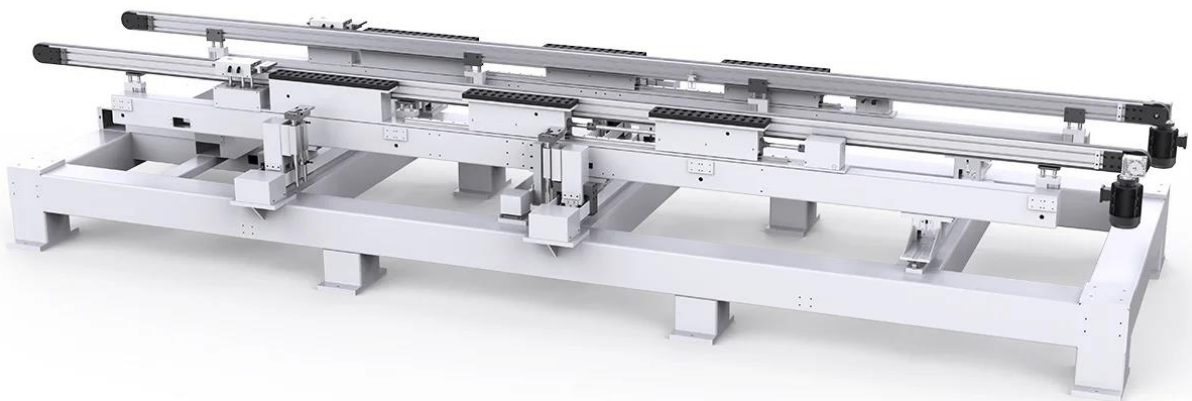


Distinctive features

- Massive frame for precise work with minimal vibration.
- Automatic loading and unloading options
- The processing time per door averages 60 seconds.
- It can work as a stand-alone solution with a loading and unloading system, or be integrated into an automatic
- Through-feed infeed and outfeed
- Automatic door centering system using high-precision stops and vacuum modules.
- Vacuum servo positioning, adjust the best position according to panel size
- Three independent saw units with scoring saws and synchronous operation for maximum productivity.
- Servo and lead screw positioning of saws for accuracy and service life
- Barcode scanner support
- Servo driven conveyor, infeed and outfeed type.
- Automatic wastage collected by belt.

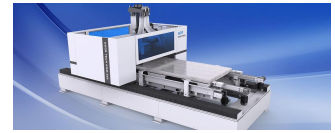
Design advantages

The strong welded frame of the machine with minimal vibrations ensures precise work. Vacuum suction cups securely fix the workpiece. Automatic adjustment to the size of the workpiece in width and length.

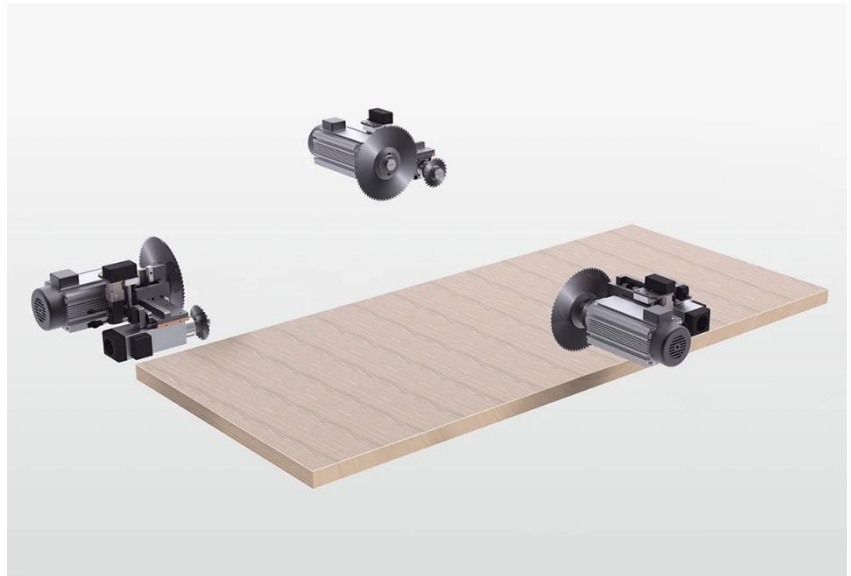


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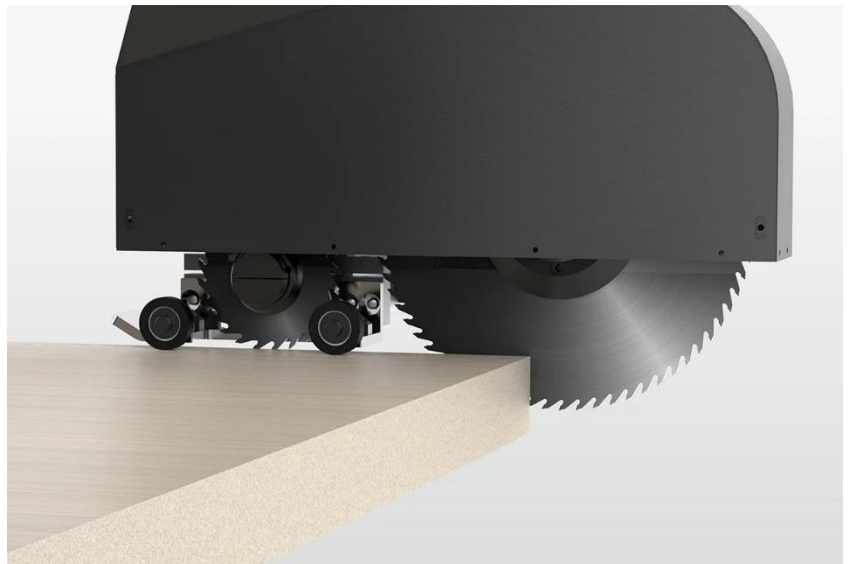
Three independent saw units with scoring saw work in sync for maximum productivity.



Each saw unit has its own motors for the main (power 5.5 kW, blade size 300x30 mm) and scoring (power 1.5 kW, blade size 120x22 mm) saws .

The scoring saw is servo controlled.

Excellent extraction built in

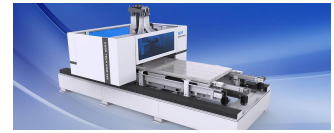


Automatic wastage collected by conveyor belt.

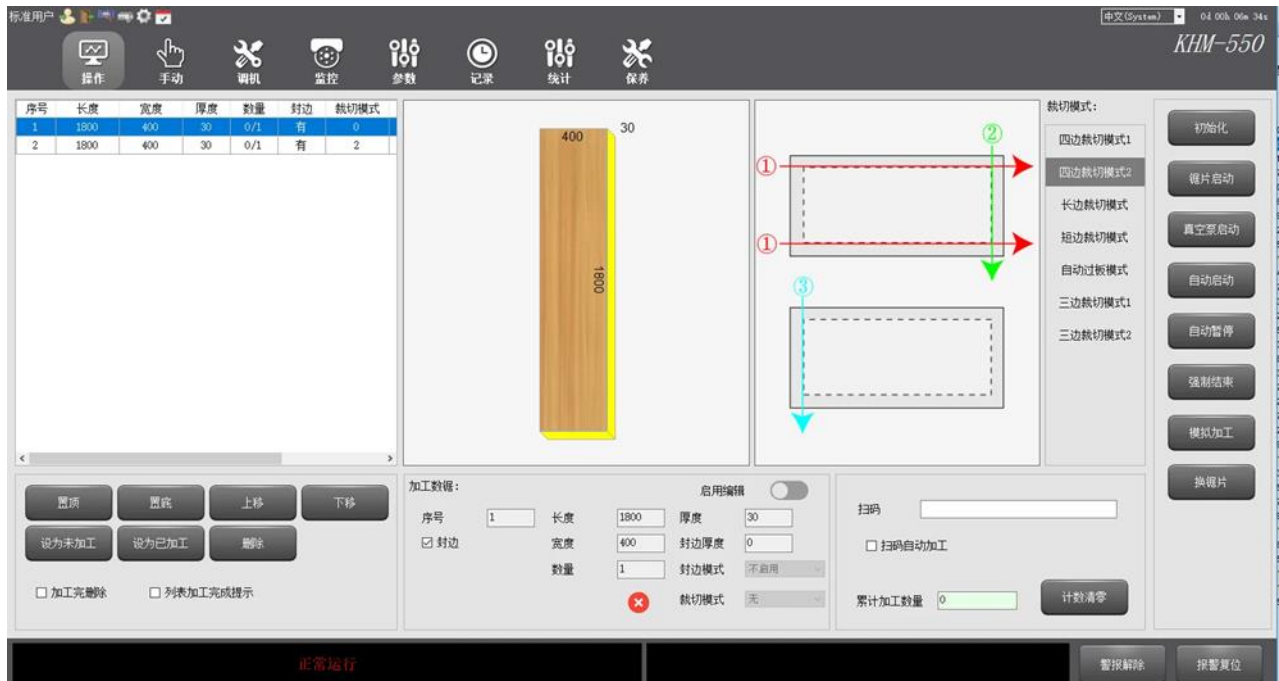




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A simple machine control program allows you to quickly set and change processing parameters.



Equipped with **servo drives** and frequency converters from **INVT**.



SEE FOR YOURSELF: VIDEO

<https://youtu.be/cplxuyfjJE?si=ImbfJitxbT0Dwcoe>

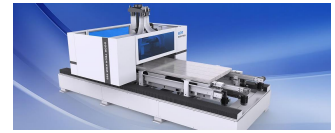


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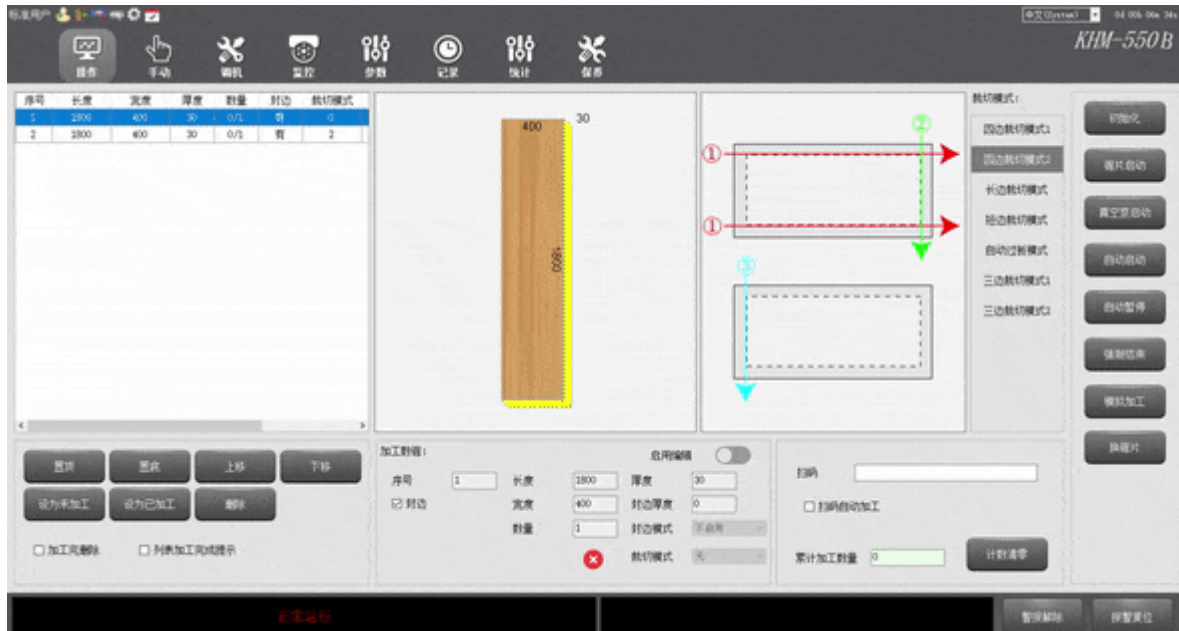
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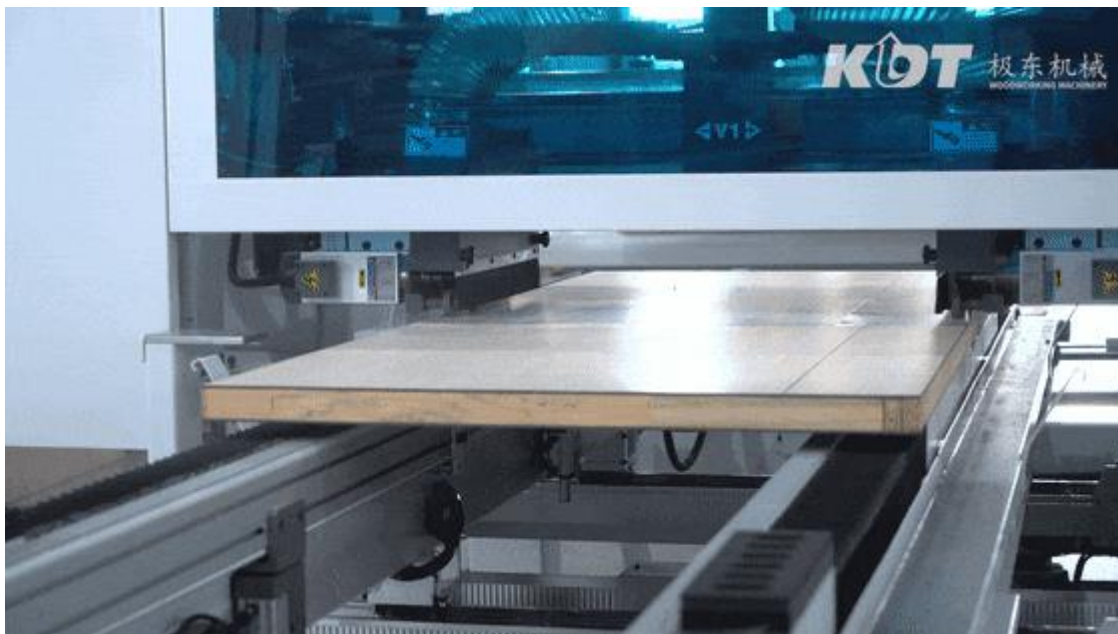
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PC intelligent control system, easy to operate

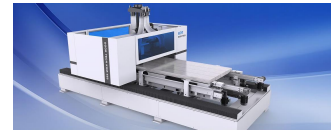


Sawing of four sides of door, 1 minute





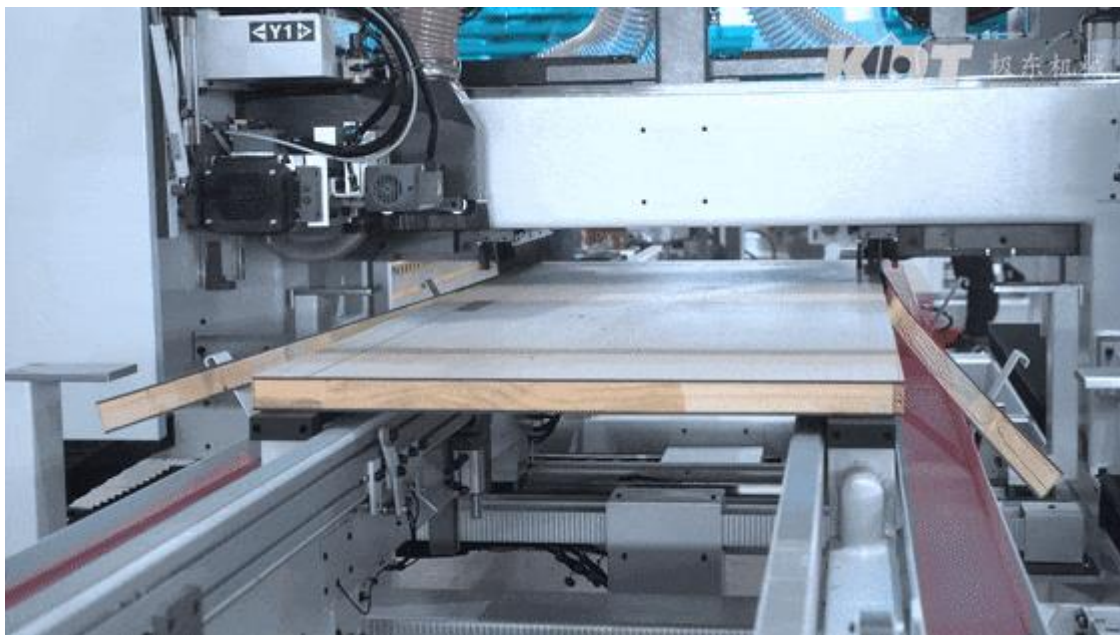
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Intelligent positioning or vacuum able, sawing size servo adjusted



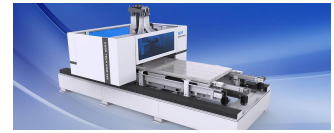
Longitudinal chip removal system, automatic waste discharge



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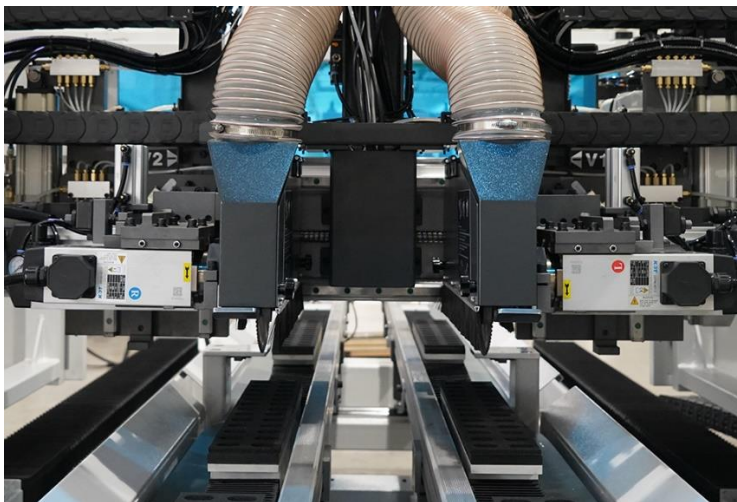
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Vacuum working table

Adjust sawing according to panel size,
prevent damaging the working table

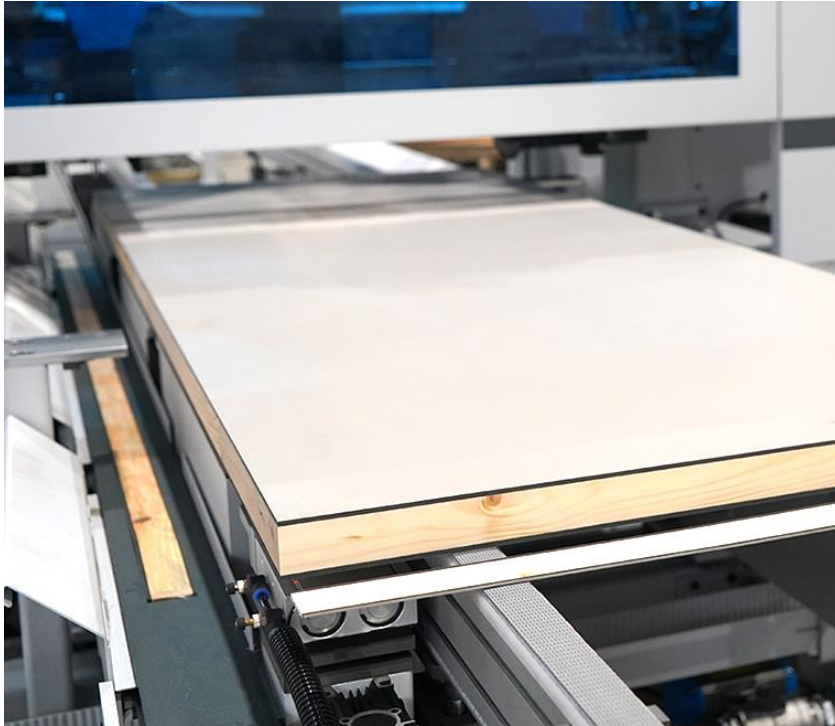


Longitudinal Saw Unit

Servo-driven, scoring saw adjust
based on panel thickness
ensure precision sawing.

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Wastage collection unit
Automatic waste collected
conveyor belt

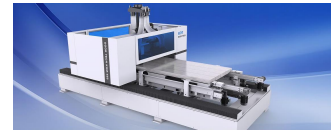
Panel data:

Max. working size (mm)	3000*1100mm (Width for surplus material ≤60mm)
Min. working size(mm)	1800*300mm (Width for surplus material ≤60mm)
Working thickness	30-60mm
Main saw	3*5.5kW (Φ300* Φ30)
Scoring saw	3*1.5kW (Φ120* Φ22)

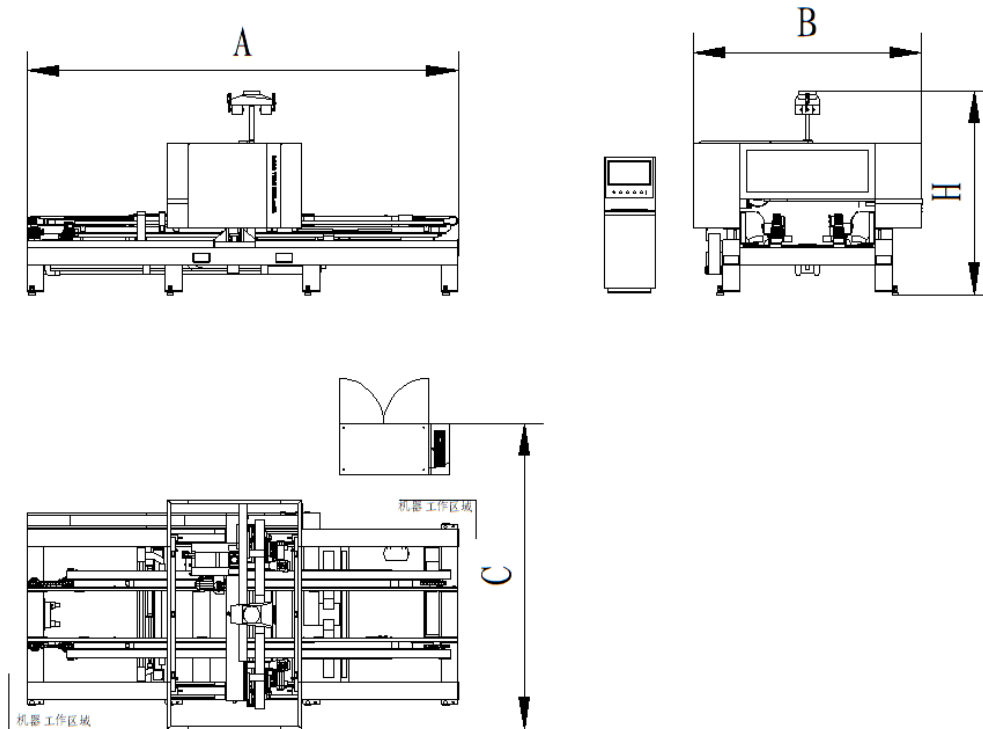
Max.moving speed	40m/min
Vacuum position	Servo positioning
Workpiece position	Centering
Working table height from ground	960mm
QTY of Dust outlet	Φ200*1
Total power	35.5kW
Machine weight	3500kg
Machine size (L*W*H)	5086*2700*2396mm

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Layout image

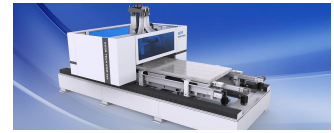


Model	A (mm)	B (mm)	C (mm)	H (mm)
KHM-550B	5086	2700	3600	2396

Options:



Camera barcode reader



Panel handling and load /unload options:

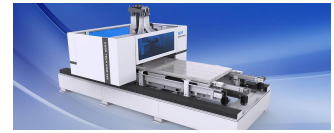
KHG-220A Load / Unload Gantry



Automatic gantry loader KHG-220 is used to automatically load workpieces into an automatic door line. Console type machine with one touch screen and PLC. Can produce a production line (connected to a central control system). Also, can be used as a single machine. It is flexible in use and occupies a small area. The mechanism uses a powerful servo drive and planetary gearbox. The Z axis uses high-strength special aluminium material and effectively ensures stable movements with large strokes. Two large-area vacuum suction cups ensure reliable grip of workpieces.



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Characteristics:

- Maximum workpiece size - 2500x1100 mm.
- Panel length – 2500-1800 mm.
- Panel width – 1100-400 mm.
- Panel thickness - 30-60 mm.
- Stacking height - 1100 mm.
- Bearing capacity - 100 kg.
- Total power – 3.25 kW.
- Machine size (LxWxH) – 3260x1450x3750 mm.

KHC-333M Auto infeed Conveyor

The automatic conveyor with high-quality wear-resistant rubber-coated rollers, 240*50mm high-strength aluminium profile structure, equipped with central positioning mechanism for doors



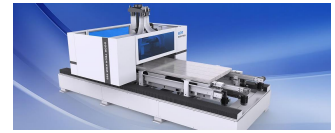
Max workpiece	2500L*1100W mm
Panel length (mm)	1800-2500
Panel width (mm)	400-1100
Panel thickness (mm)	30-60
Height of workbench from the ground (mm)	960
Power (kW)	0.75kW
Overall size(L*W*H)	3300*1650*1050



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Centered positioning mechanism



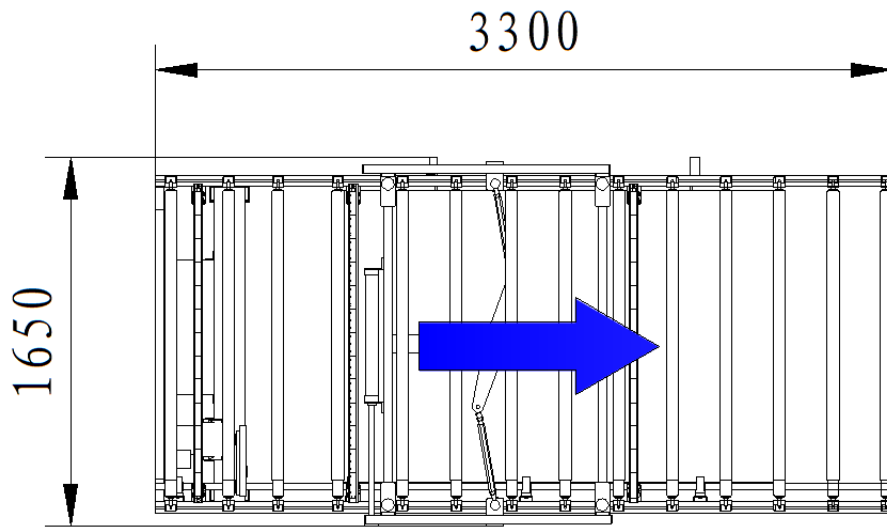
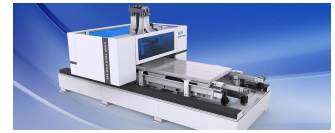
High rigidity frame

Made of 240*50mm high strength aluminium profile, it is durable and the door conveys smoothly and reliably.



Conveying roller

High-quality wear-resistant rubber-coated rollers to run smoothly and prevent scratches on the panels.

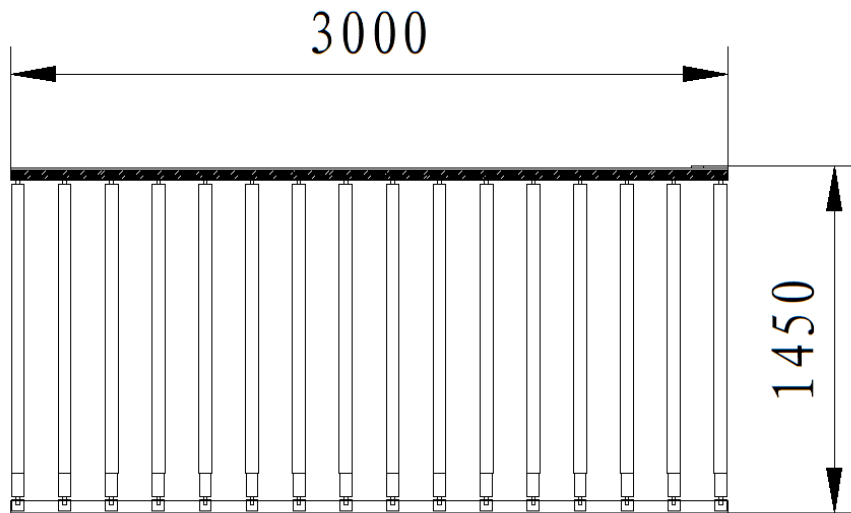
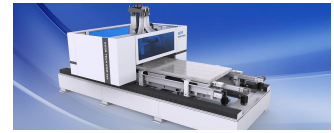


KHC-333M: 3300L*1650W*1050H mm

KHC-303M Auto outfeed Conveyor

The automatic conveyor with high-quality wear-resistant rubber-coated rollers, 240*50mm
high-strength aluminium profile structure



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KHC-303M: 3000L*1450W*1050H mm

Max workpiece(L*W)	2500*1100mm
Panel length (mm)	1800-2500
Panel width (mm)	400-1100
Panel thickness (mm)	30-60
Height of workbench from ground (mm)	960
Power (kW)	0.75kW
Overall dimensions (length*width*height mm)	3000*1450*1050