

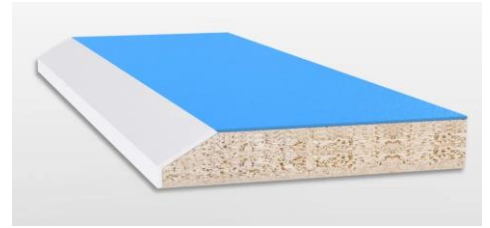


BEVEL EDGEBANDER KE 395J





KDT KE395J *Bevel* EDGEBANDER A unique design advantage



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 exceeds 19,000 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.

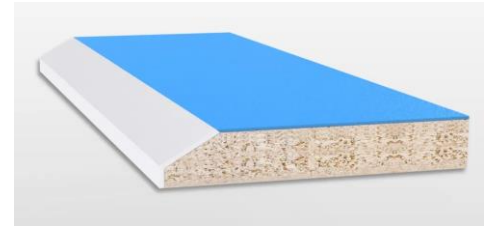


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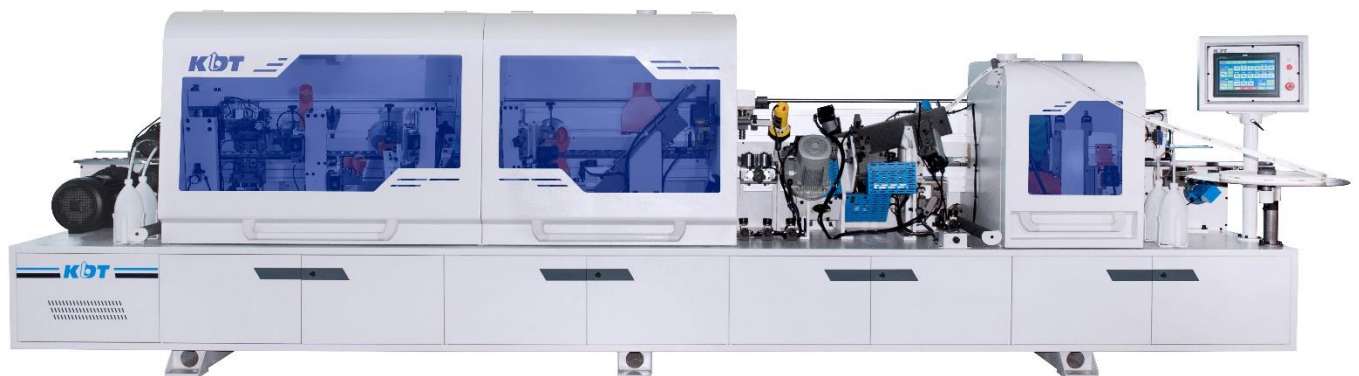


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KDT KE395J Bevel Finish Edgebander WORKING GROUPS

- Spray units before milling and buffing
- Pre-milling of bevel edge at 45°.
- Pre-milling of square edge.
- Grooving back surface of edge strip
- Hot melt glue application of square edge.
- Hot melt glue application of 45-degree bevel edge.
- Edge strip application with pneumatic guillotine.
- Hot air blower on edge strip to assist bending.
- Pressing rollers for square edge and bevel edge.
- End trimming saws for flush trim.
- First top and bottom trimming
- Second top and bottom trimming
- Radius scraping
- Flat top and bottom surface scrapers.
- Top and bottom buffing unit.
- Digital counters for exact adjustments.



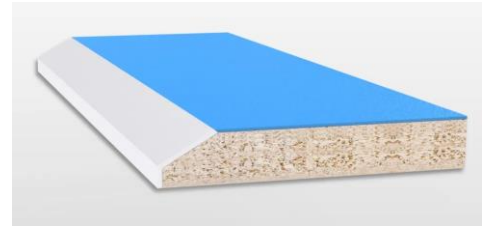
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KEY FEATURES

- Full safety covers over motorized cutting and trimming units.
- Convenient touch screen control
- Fluorescent lights inside safety hoods.
- High feed rates 14m /min
- Feed jogging button to assist setting up.
- Twin glue roller system – glues panel edge not tape
- Large windows in safety hood for better visibility.
- Twin heavy-duty milling heads at 90 and 45 degrees
- Pneumatic gate prevents panels being fed in too close to one another.
- Motorized height setting of top beam for different panel thicknesses.
- High precision slide ways on cut-off saws.
- Efficient high frequency belt free motors on saws and trimmers.
- Pneumatic blowers on scraper tracer wheels to keep swarf from affecting accuracy
- 1440rpm motors on buffs to prevent scorching.
- Compact footprint

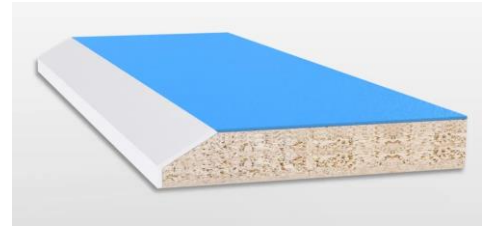


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Click here to watch the Video:

[👉 KE-395J \(youtube.com\)](https://www.youtube.com/watch?v=KE-395J)

DESIGN IN DETAIL

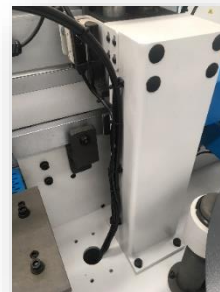
Built in strength

Edgebanding relies on the rigidity of the machine frame and work unit mountings

- A few examples:

- Saws on cast iron mount
- 10mm plate steel base
- 18mm thick hard chrome infeed fence
- CNC machining of one-piece frame
- Oversize Beam supports

The list goes on...

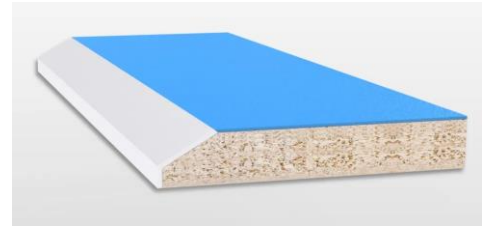


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You're in control

KDT's 250mm touch screen sets new standards.

You're in total control - selecting functions, height of the feed beam, machine 'standby' etc.
Pre-program start up and shut down times

Comprehensive diagnostics and fault-finding with reset methods and 'fix it' steps - often no Technician required.



Handle the heaviest tapes

A great example of KDT's strength.

800mm plate supported by a massive 60mm column so the heaviest tape coils stay perfectly aligned with infeed guides and rotating smoothly



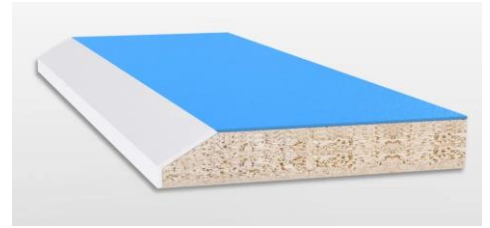
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Panel feed : precise, reliable, foolproof

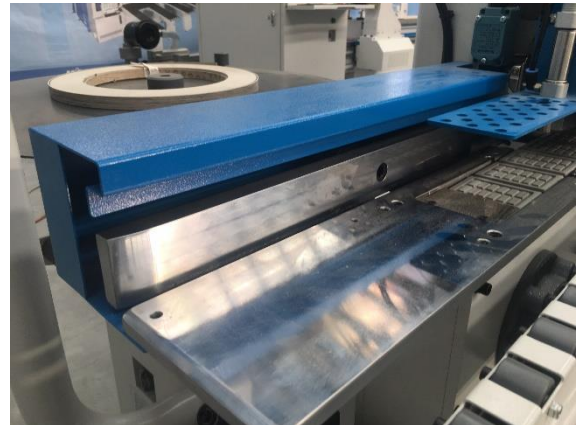
Simple reliable support and feeding ensures panels travel through the workstations perfectly aligned.

Starting with an oversize infeed plate and fence.

A pneumatic pin prevents a second panel entering too soon. Foolproof and better than a 'red - green light' which relies on the operator

The electronic 'line control' knows exactly the position of panels on the track – eliminates troublesome micro switch's and allows precise activation setting from the control panel.

This is a huge plus.

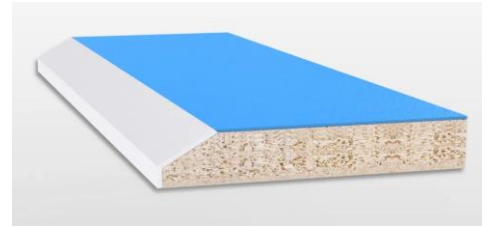


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Unique twin hogging system shapes your Panel edge

The heavy-duty twin vertical and bevel trimmers cleanly hog the panel edge 45 degree bevel angle or bevel/ vertical combination profile.



*Pneumatic release spray unit at infeed:
standard inclusion*

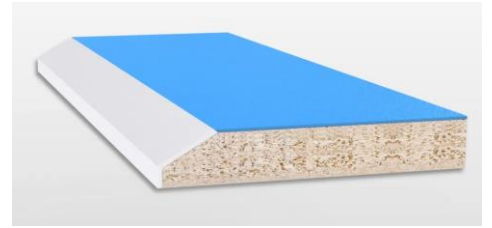


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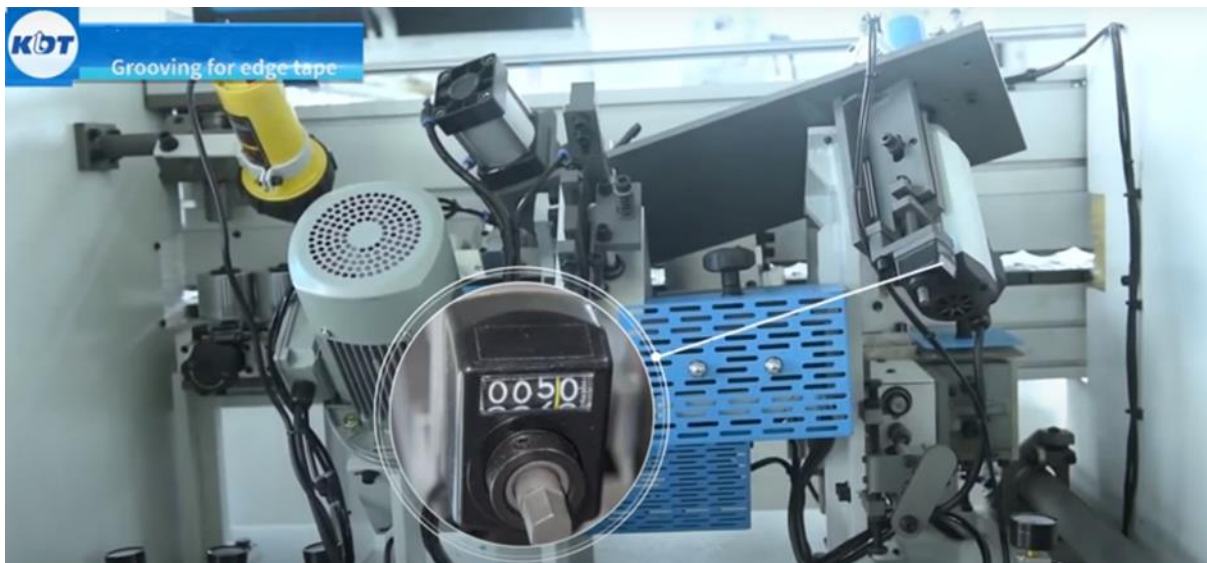
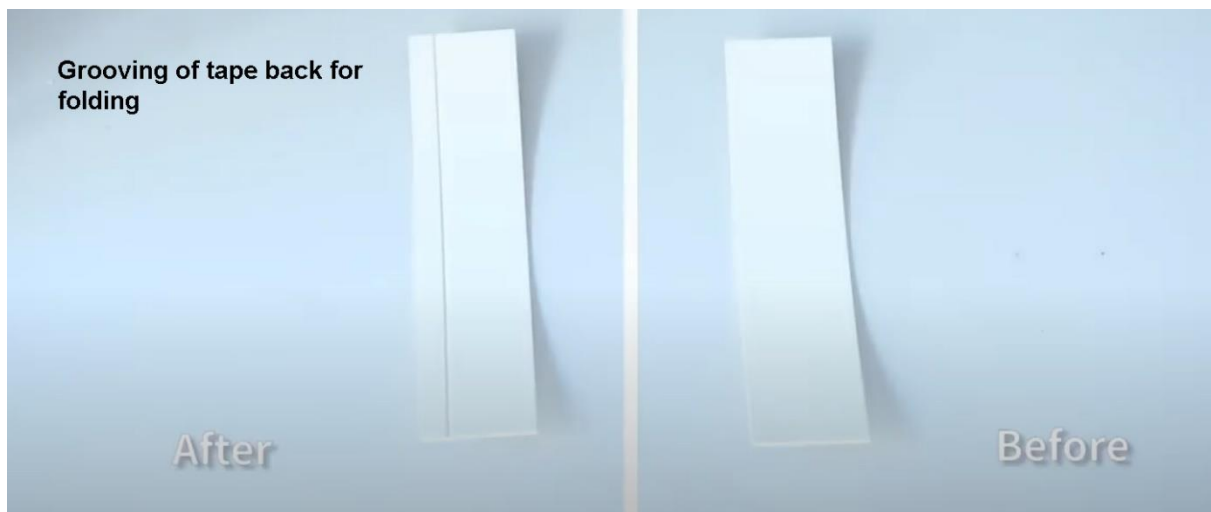


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Clever bevel cut into Tape ensures clean fold

This unit machines out the rebate in the rear of your tapes that is the key to a perfect 'fold' at the point of vertical to bevel. The cutter profile has been carefully designed/ developed to deliver a unique flat/curve groove shape for this requirement

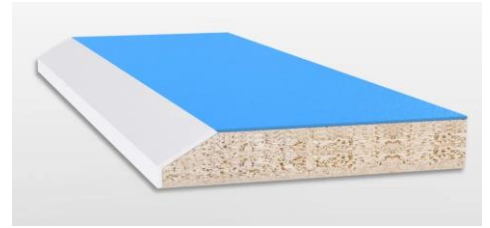


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Perfect tape feed and application

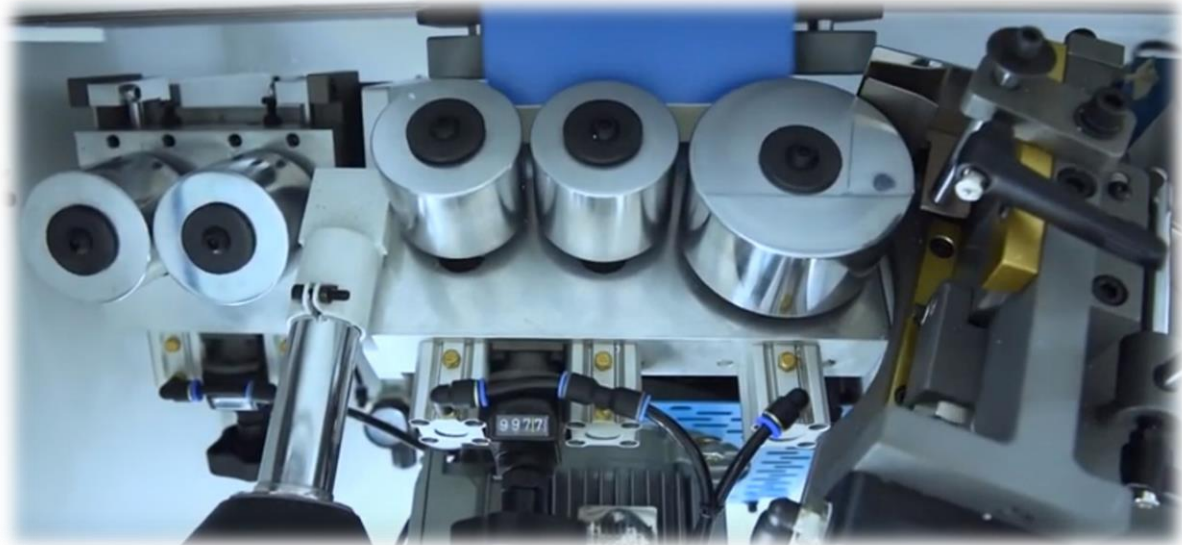
Perfect alignment and uninterrupted feed of your tapes is an essential first step in achieving a great edge. This needs to be complimented by uncompromised application pressure.

KDT infeed guides and feed roller are mounted on 10mm steel plates. A pneumatic pressure roller assures the tape is firmly pressed against the feed roller

This is followed by an oversized pneumatic guillotine that cleanly shears even the heaviest tapes from the roll smoothly and easily.



The tape is then pressed onto your panels on the straight and bevel by twin pressure roller groups with their own pneumatic cylinders.

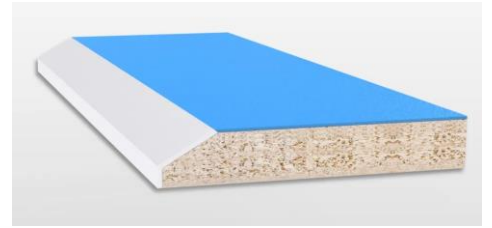


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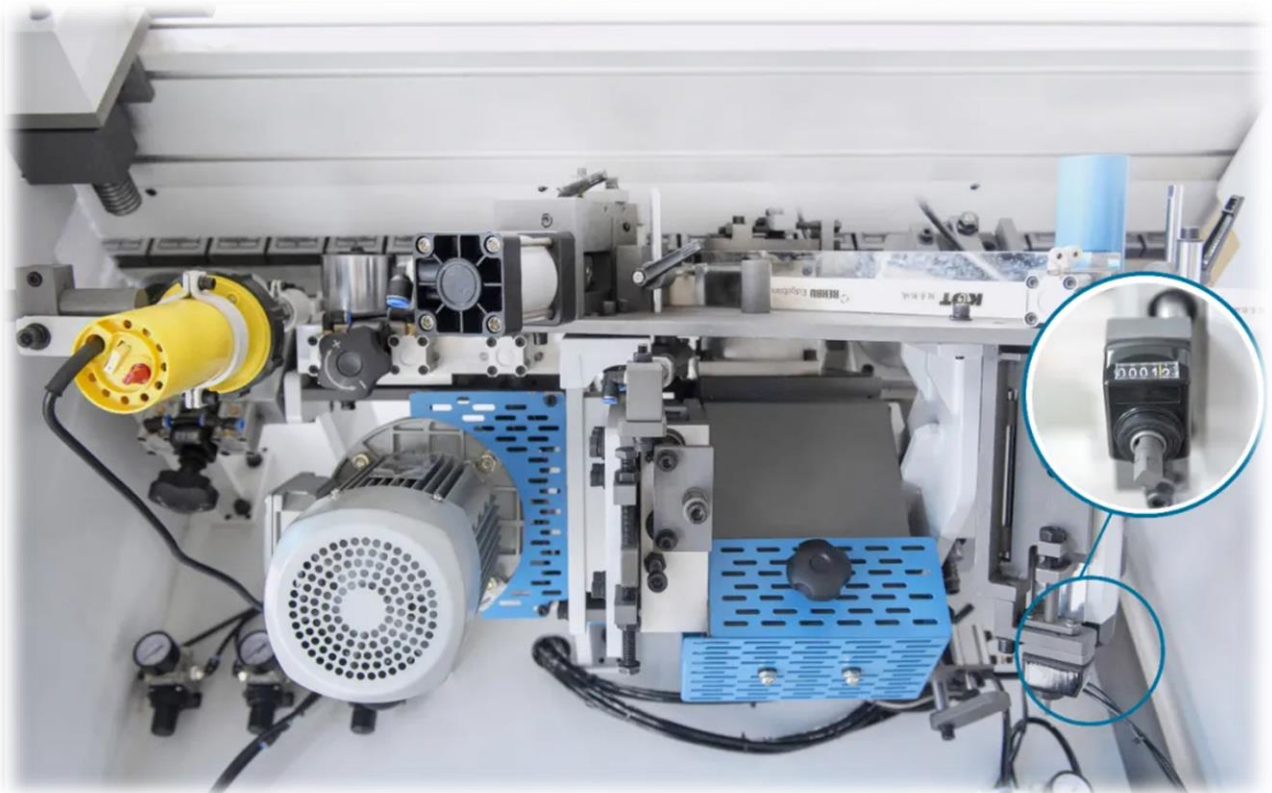
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Twin glue tanks

Multiple elements ensure quick and even heating of the glue and a convenient automatic 'standby' is activated if panels have not been processed for a set period. This lowers the glue temperature to maintain colour and strength.

Independent twin glue tanks apply the glue to the straight and bevel panel edges – not to the tape. This is a really important feature as it avoids sticky tape trimmings accumulating throughout the feed path.

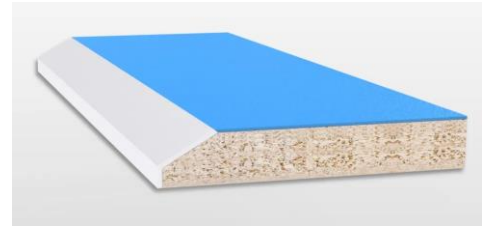


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Onto the feed track....

The feed track must ensure panels stay perfectly aligned through the machining groups.



Overhead feed rollers are mounted in a heavily ribbed aluminium top beam 170mm x 80mm. Oversize Beam supports ensure alignment without flexing under load. A clever tensioning system guarantees parallel alignment.

Two rows of offset idle rollers keep even small panels under firm even roller pressure

Powered feed track height setting is effortless and accurate from the touchscreen.

The feed track runs on square and round guides guarantee no sideways movement or tilt under load. Cast bearing housings and heavy chain feed ensure long service life

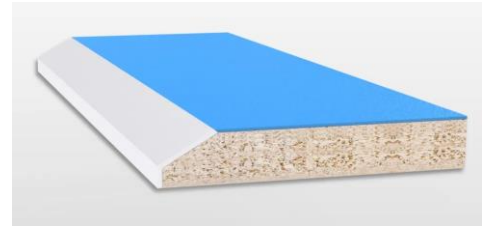


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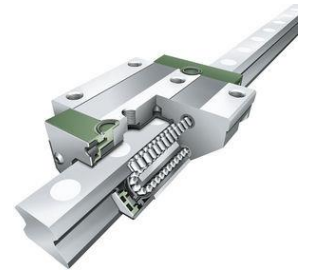
End saw precision guaranteed

The saws are mounted on a cast iron base and single high precision THK guide for perfect alignment

Inverter controlled 12,000 rpm saw motors deliver clean trimming

Line control ensures the saws are in position to avoid ruining your panel or damaging the saw unit

From the Touch screen; increase the overhang to avoid damage



Auto lubrication of the saw slides : a great feature

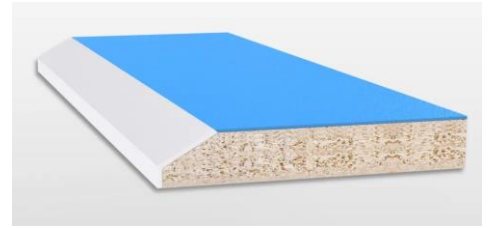


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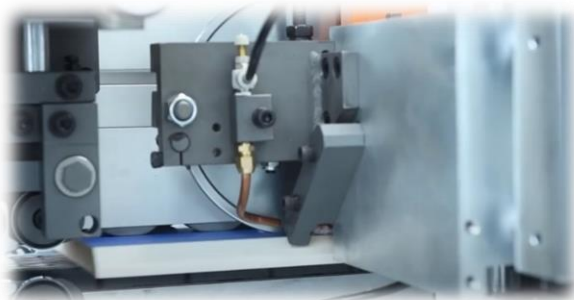
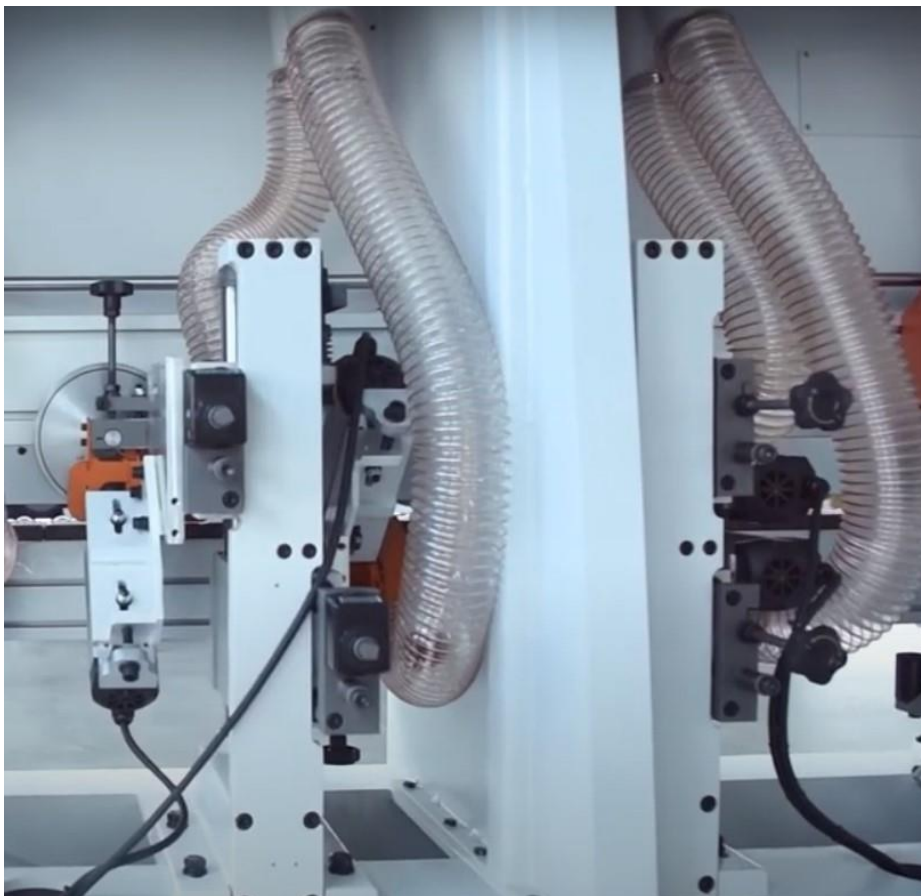
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Trimmed top and bottom 'spot on'

KDT use heavy steel construction for the 2 sets of Trimmers to guarantee the ultra-fine precision required. Large rotating '180mm copy wheels allied with 12,000 rpm HF motors ensure the cutters perfectly trim your edges prior to scraping.

Digital precision resetting completes the perfect trimming setup.

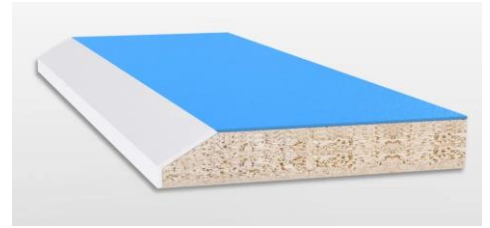


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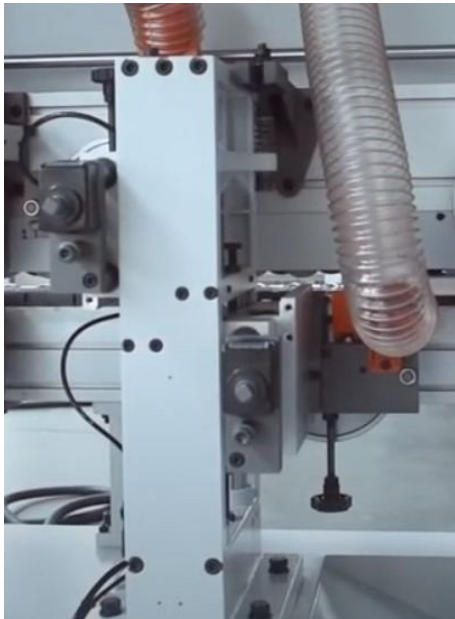
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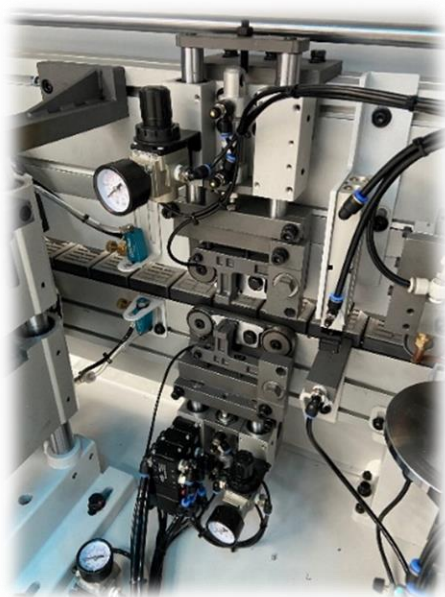
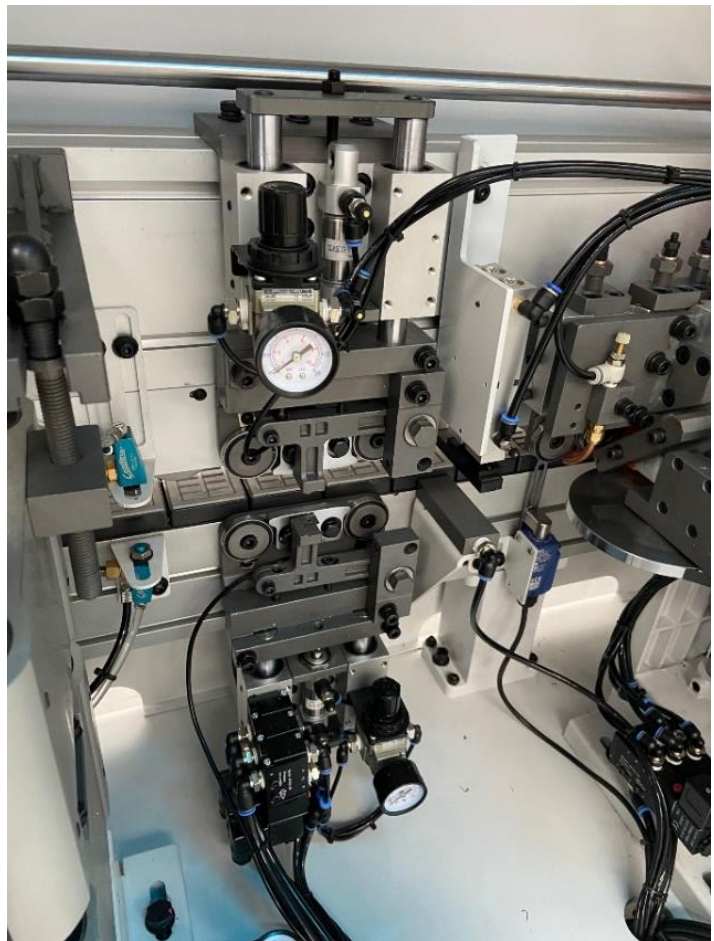


Twin Scraping stations for perfect results:



Radius scrapers
Rock solid, high precision, simple

Flat glue scrapers
With touchscreen exclusion / activation
Pneumatic timed intervention

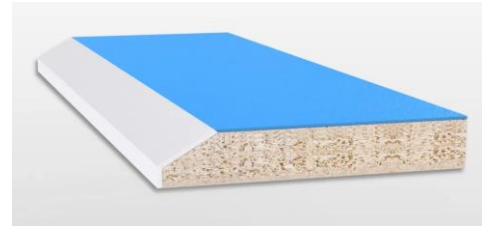


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The final Spray and Polish

Final cleaning /polishing and restoration of colour to darker tapes is via large 1440rpm buffs at the outfeed. These are mounted on extra heavy mounts that deliver a heavy-duty vibration free finish. Buffing angle is easily adjusted 10-15 Degrees

A pneumatic spray system before the buffers is included to enhance the clean polished 'straight from the Edgebander' finish your customers will love



Well supported

The panel support easily extends out 620mm to support wider panels.

It's mounted on 50mm diameter bars running on ball bearing roller guides so it's simple and easy to reposition and won't sag when supporting large heavy panels. Support legs on rollers are included if you are edging really heavy panels

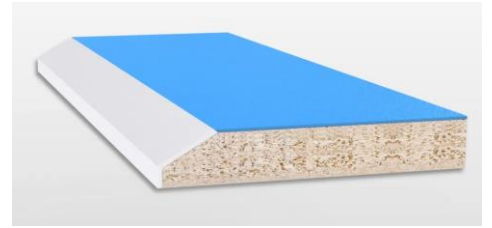


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Keeping things quiet

The heavy construction of the working units and frame do a great job of noise reduction which is enhanced with the sound dampening hoods.

These are electrically interlocked and operated by large self-supporting gas struts for safety while the large windows allow you to easily keep on eye on things while the machine is working.

Internal lighting can be switched on from the touchscreen control



Extraction is important

Good dust extraction is vital to good edgebanding.
KDT understand this and have paid particular attention to ensuring all hoods and ducts are well designed and function well.

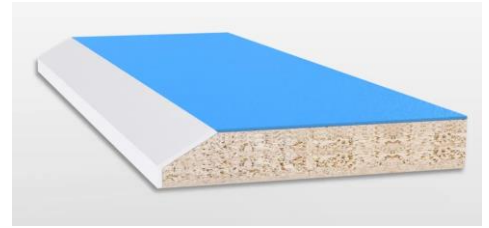


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Individual Inverter control of Motors

Saves power and maintains cutter speeds under varying loads



The 395j is a cleverly engineered, purpose built Edgebander to give your products a unique design advantage

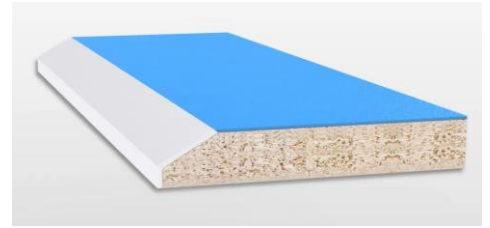


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PANEL AND PRODUCTION DATA

| | |
|--------------------------------|--------------------------|
| Feeding Speed (m/min) | 14(m/min) |
| Edge Thickness (mm) | 0.45-1.5 (斜Tilt) |
| Panel Thickness (mm) | 9-25 (斜Tilt) |
| Panel Length (mm) | $L \geq 150$ (mm) |
| Panel Width (mm) | $W \geq 135$ (mm) |
| Min. Panel Size (mm) | 150*135 (mm) |
| Total Power (kW) | 19.98 (kW) |
| Overall Size 长(L)宽(W)高(H) (mm) | 5750L*830W*1670H (mm) |
| Size & QTY of Dust Hood | $\phi 100*6 + \phi 50*1$ |

Click here to watch the Video:

<https://www.youtube.com/watch?v=gEXjG1AvRQI>

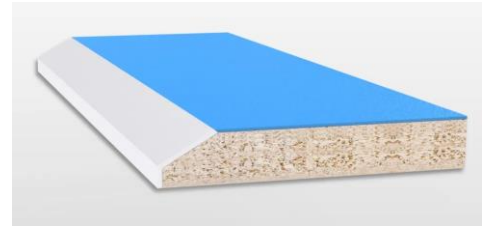


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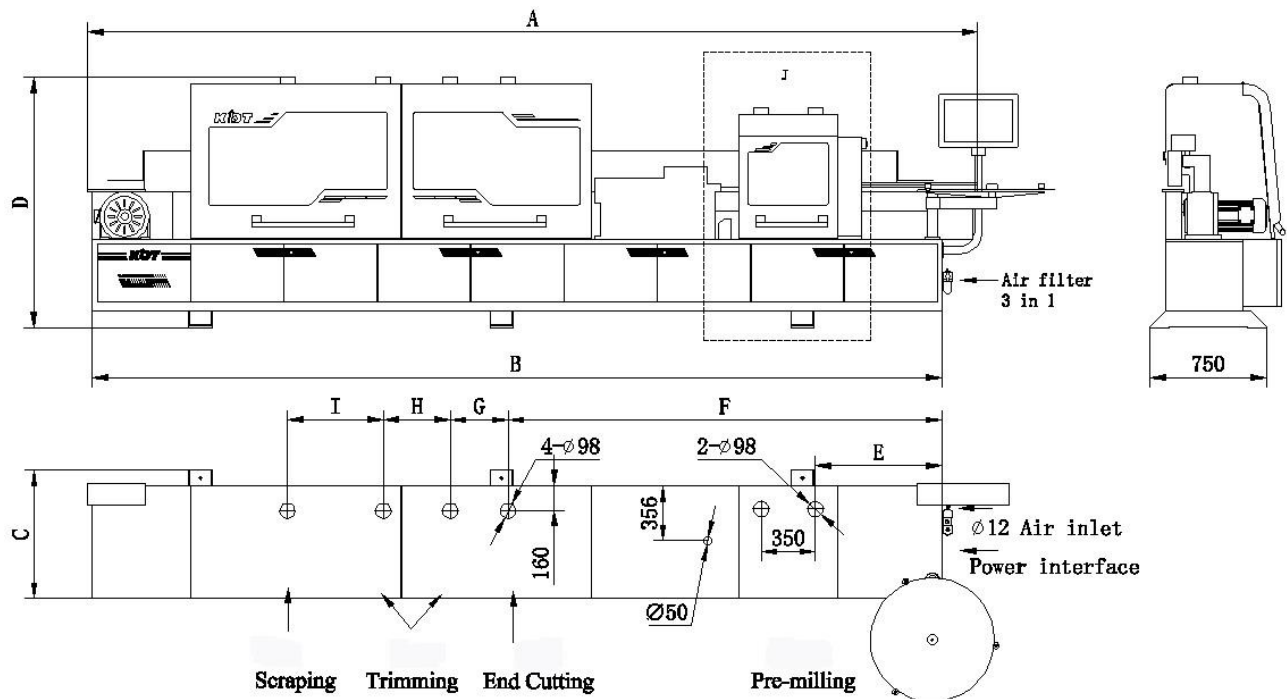


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**KDT'S MARKET SHARE OF THE AUSTRALIAN BEVEL
 EDGEBANDER MARKET IS OVER 90% !**

*Enjoy well proven performance and value
 from the Market Leader*



| Model | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | I (mm) |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| KE-395J | 5750 | 5488 | 830 | 1620 | 816 | 2800 | 375 | 431 | 620 |



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