KBT AUSTRALIA

KS 828D, 832D and 843D Beam Saws

Front Loading



KDT AUSTRALIA

Stronger alignment. Greater capability. Same trusted team

KDT is a publicly listed company and the largest woodworking machinery manufacturer in Asia, as well as one of the fastest-growing globally. Its success is driven by a strong commitment to research, innovation, and strict quality control.

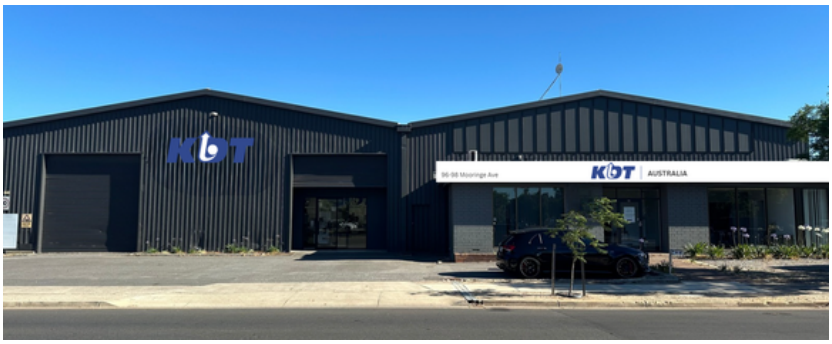
Our business has grown significantly over the past 20 years and so has our partnership with KDT. By rebranding to KDT Australia, we have strengthened our connection to a global leader—giving our customers greater access to a broader range of world-class machinery, backed by the same trusted local team and service they rely on.

Nothing changes in our commitment to quality and support.
What does change is the opportunity for our customers: more advanced solutions, more capability, and closer alignment with a global standard of precision and innovation.





KDT have over **500,000** square metres of production facility across multiple sites



KDT Australia head office with over 40 years in the industry

All features and product specifications subject to change:
www.kdt.com.au

KDT KS Beamsaws - Size Panels the easy way

HIGH SPEED PRECISION FRONT LOADING BEAMSAW



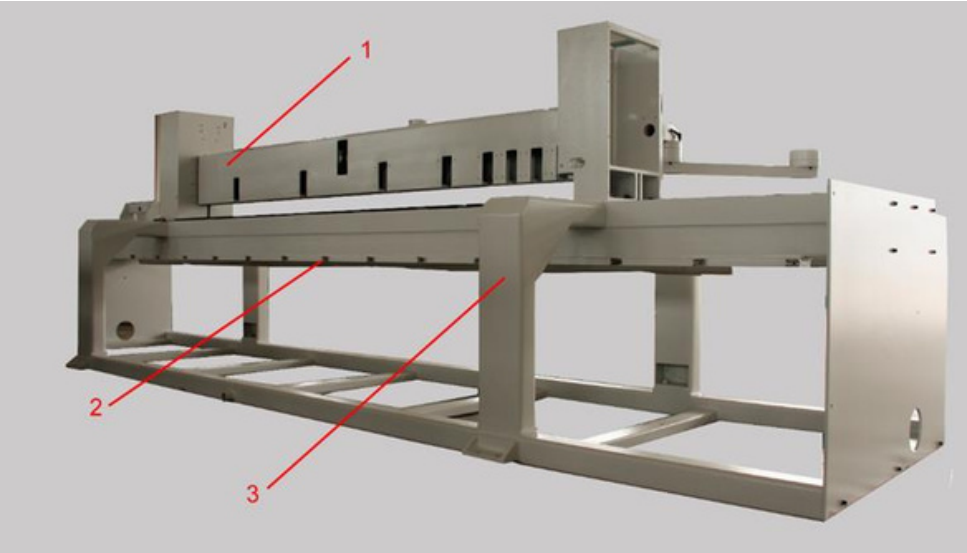
At a Glance:

Maximum height of pack - 95mm with 400mm blade. 120mm.(with 450mm dia main blade)
Saw carriage is servo motor driven.
Working stroke speed of saw carriage is up to 1-95 m / min.
Return speed of saw carriage is up to 1-120 m / min.
Programmable pusher speed is 95m / min.
The programmable pusher is equipped with Pneumatic double-finger grippers.
Working table of the machine is air cushioned to avoid panel scratching
Automatic blade and Beam height setting to match stack height for improved cut quality
Grooving function
User friendly familiar PC control format
Multiple sizes available -2830mm,3180mm and 4280mm

A better work platform

CAD machine bed design with the maximum loads and requirements calculated and modelled

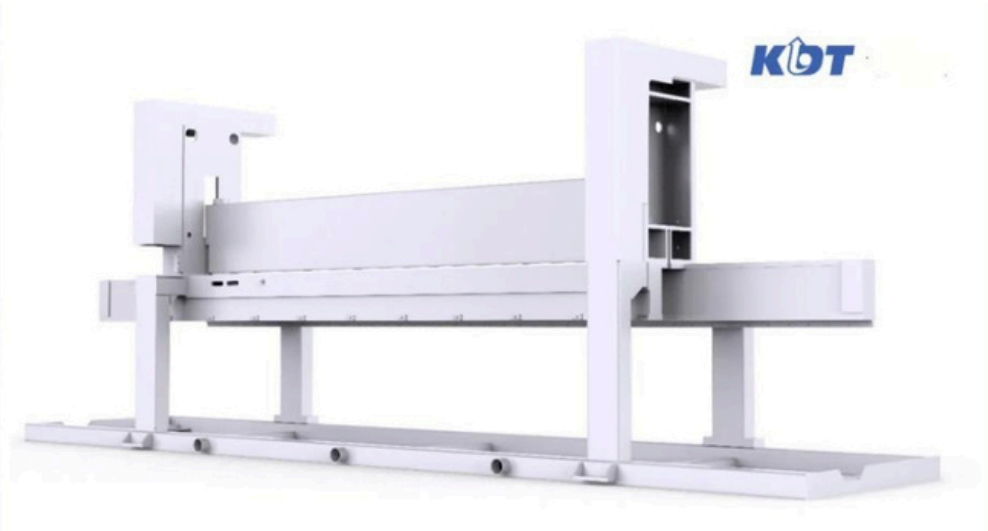
The welded frame is tempered to remove all internal stresses then machined on a five-axis CNC – including all mounting holes and plates



Heavy steel construction of top pressure beam with integrated dust extraction

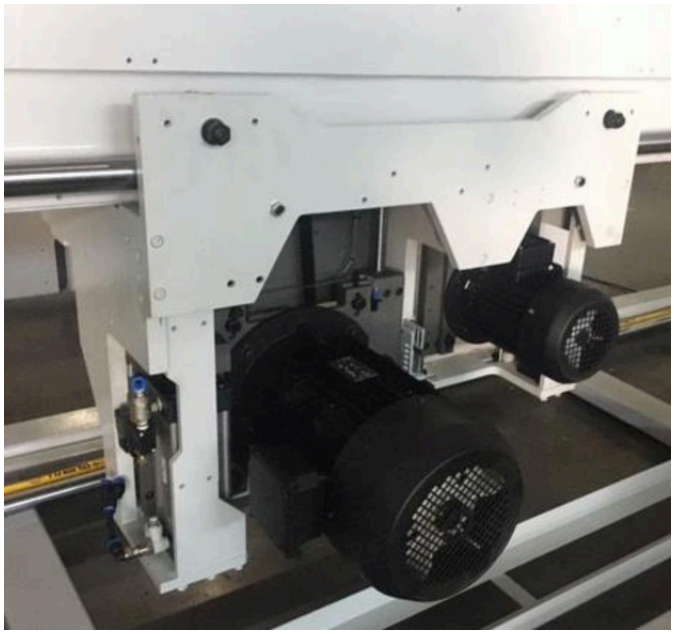
Precision machining of mounting pads for large diameter guide rails ensure perfectly straight and smooth carriage travel.

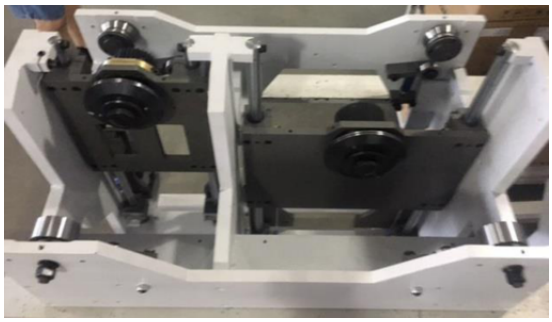
Massive heavy-duty steel frame guarantees accuracy and precision.



High End Saw unit

High precision over an extended working life.
High precision parallel rods with oversize guide rollers





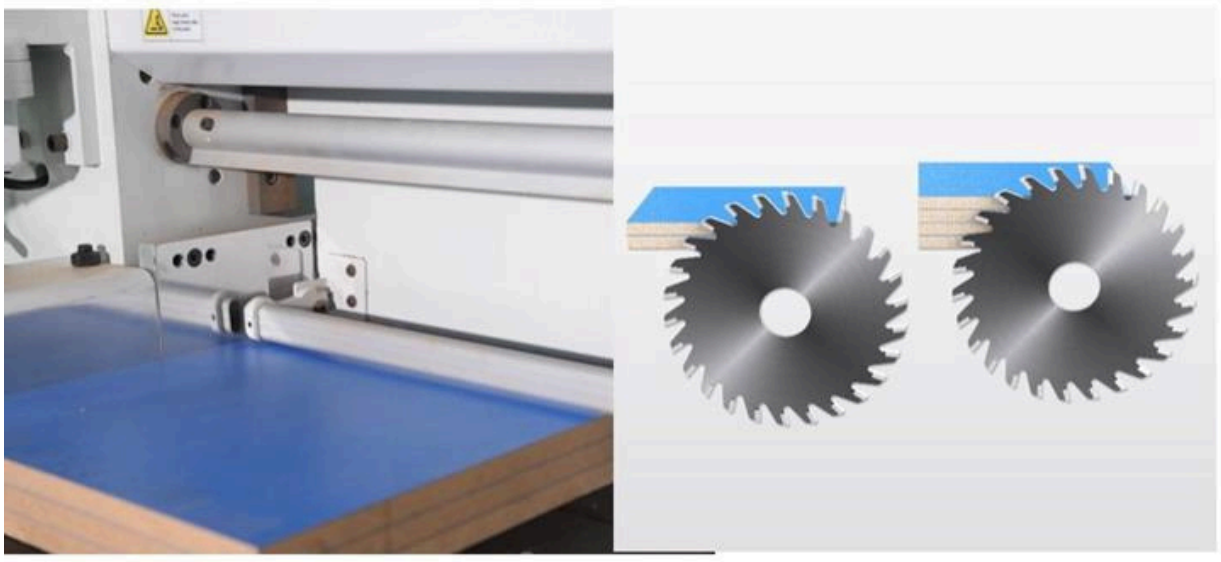
Quick change blade lock – another huge time saver



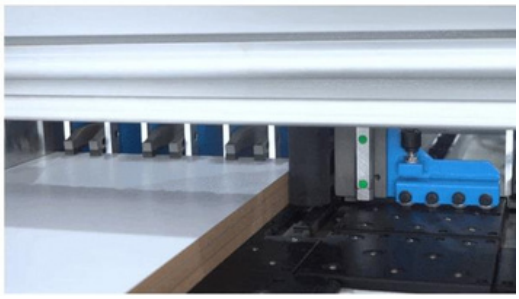
Fully Optimised work cycle saves time (30%)

Automatic cut height projection – Improves cut quality

Auto pressure beam height setting to match panel stack height – saves cycle time

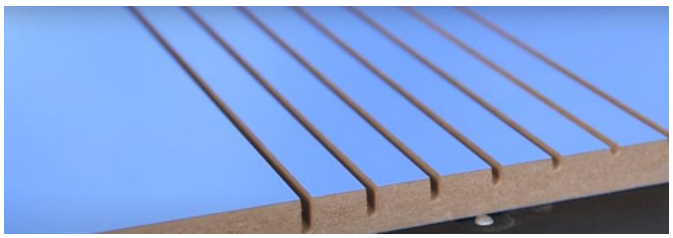


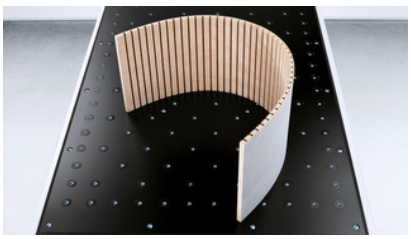
Auto saw carriage travel / pre-positioning to match panel length – saving more cycle time



Grooving function

Programmed spacing and depth of Grooves

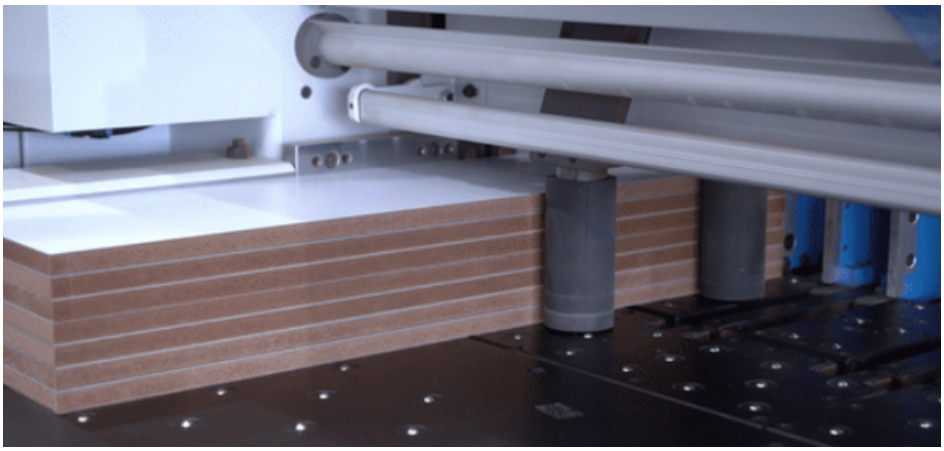




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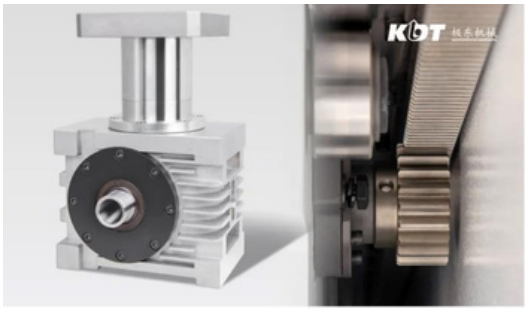
Fast and accurate side alignment

Dual side aligner movement is by rack and pinion and linear guide for maximum strength and accuracy, pressing panels against crosscut fence on both sides of pressure beam.
Side aligner pre-positions to optimise cycle at a fast 24m/min
Heavy laser cut steel build for greater accuracy and precision.
Soft rubber guide rollers eliminate panel edge damage.
Side aligner travels on precision linear slide ways for years of trouble free service whilst providing the greatest accuracy.
Oversize THK guides



Saw carriage and Pusher travel by servomotor.



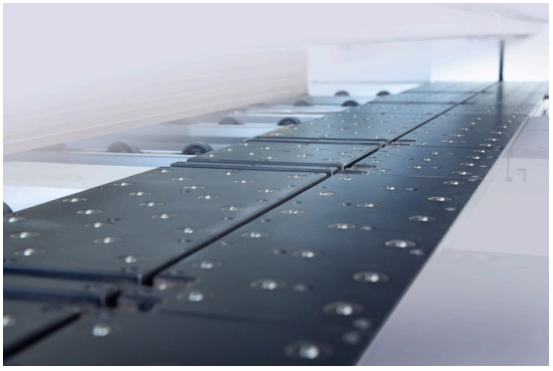


Scorer height and lateral setting from the PC.



No scratching of delicate Panels

Air cushion Bakelite table in work area eliminates scratching of sensitive Panels.

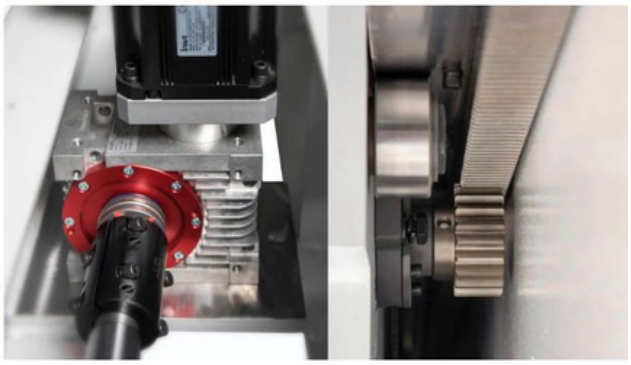




4.3kw powerful air blowers



Steel table as an optional upgrade.

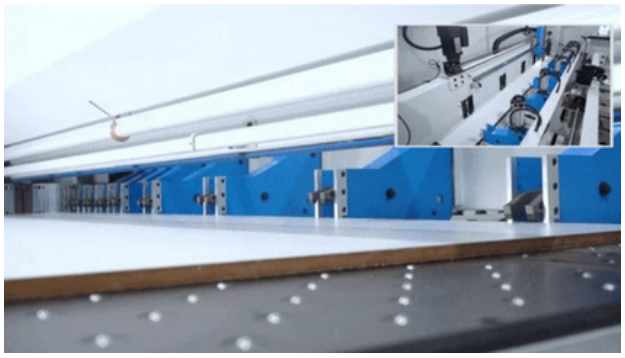




Heat treated precision rack and large diameter pinion drive for the saw carriage. Powerful 2 kw SERVO drive ensures fast, precise saw movement and positioning.

Powerful parallel double finger grippers

Powerful air cylinders provide maximum gripping force.
Rubber tips will not damage panels while ensuring maximum grip on the panel surface.
Heavy duty cast aluminium gripper construction: years of trouble - free service.
Powerful grippers to guarantee panels will not move.
8 on 2800 model - 10 on 3200 and 4300mm models
Precise pusher positioning via contact free Magnetic Strip reader

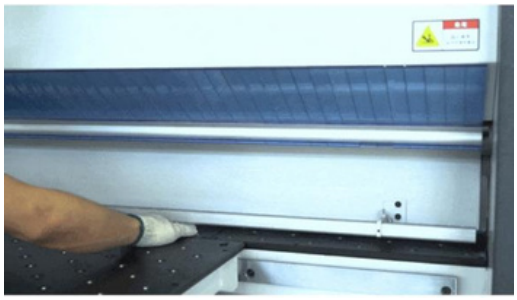




Safe and easy

Quick start bar at operator fingertips.Easyto reach machine Start /Stop and Emergency stop
Auto beam lift if obstruction encountered.





Pressure beam stays up in an unexpected power cut . Interlocks on blade covers. Top quality CE compliant Electrics and Electronics used throughout

User friendly WINDOWS working environment

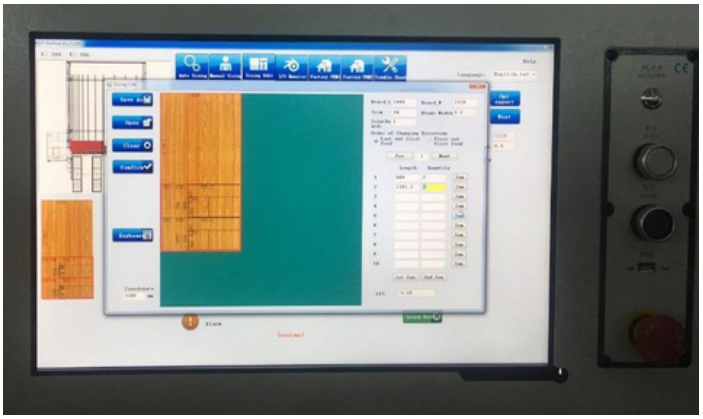
Standard PC keyboard and mouse. Windows based Industrial PC controller. Graphic display showing each stage of the cutting process. Connect to office network for easy downloading of cutting lists from the KDT **PreCut** Optimization' software.
PreCut includes: Label printing formatting and output for Printer (Printer not included)
Import Cut lists from Excel for Optimisation.

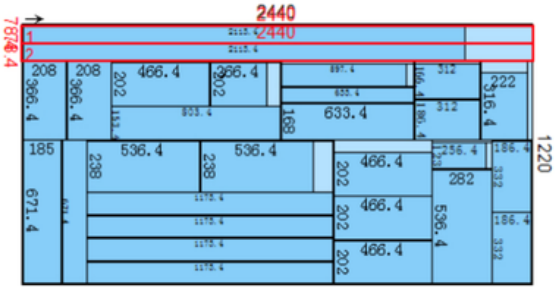
Choice of Optimisation levels and Parameter mix.





Large 'user friendly' 19" screen





Clear and modern graphic interface

Key Specifications

Industrial PC controlled with 19” colour screen LCD monitor, graphic user interface with optimizing software.
18.5kw main saw motor. Quick blade change system
2.2kw Scoring saw motor with manual saw adjustment.
Powerful 2kw rack and pinion drive for saw carriage movement. Saw carriage running on precision round bars,rise and fall on round bars with linear bearings.
Dual panel side aligners 90mm – 1300mm for fast accurate positioning.
Automatic blade height setting adjusts according to the panel thickness for improved cutting quality.
Three or Four air flotation support tables 1x fixed and rest movable with rollers for easier panel loading and to avoid scratching panels. The main table of the machine under the top pressure beam is fitted with air floatation to avoid panel scratching.
8 or 10 Dual finger Panel gripping clamps made from cast alloy with 120mm opening.
Grippers positioned by precision Swiss made rack and pinion running on round guide, driven by a 2.2kw servo-motor and encoder.
Latest Design heavy duty fabricated steel machine main frame, top pressure beam and side support tables to ensure accurate chip free cutting.
Rear of machine guarded by enclosed safety fence 1.8 metres high with interlocking access door.

SEE THE 832D in action…

https://youtu.be/jO5mVhQhkgw?si=e3n-xXMgfBoWtCDP

Dimensions, Power and Weight

Maximum cutting length	2830mm,3180mm and 4280mm
Maximum cut height 400 / 450mm blade	95 /120mm
Cutting speed	0.5-95m / min
Saw return speed	120m / min
Max gripper speed	0.5-95 m/min
Main saw	405/450mm
Scoring saw	200 mm
Main saw motor	18.5kw
Dust extraction volume	5279 cubic m /hour
Scoring saw motor	2.2kw
Saw carriage motor	2kw
Gripper servo-motor	2kw
3 or 4 Air floatation tables	(2x movable)
Required air pressure	7-8kg/cm2
Net weight	6000-6860 kgs



KDT AUSTRALIA

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Showroom Hours

Monday - Friday: 8.30am - 4.30pm