MiTek®

Hornet II™ Saw

CUT AND MARK WALL PANELS EFFICIENTLY AND ACCURATELY

The Hornet II™ Saw is a precision upcut saw optimised for wall panel production. This next-generation saw cuts and labels multiple timber pieces at once, enhancing productivity, reducing waste, and improving safety with minimal labour.

FEATURES

→ Fully automated angulation and cutting.
→ Fully automated chain conveyor feed
→ Fully automated outfeed sweep.
→ Plate layout edge printer.
→ Face printer that can print a Bill of Materials.
→ CutBuilder offline mode: Print a pick list without accessing the saw.

ADVANTAGES

→ NEW! Extended infeed and added guard remove a pinch-point for safer operation
→ NEW! Upgraded to REA JET printing, which provides ink level tracking, longer ink life, easier troubleshooting, and overall faster printing.
→ The up-cut saw, integrated with MiTek software, enables automatic cutting of top and bottom plates in one stroke. It features a fully automated infeed timber conveyor for continuous cutting, with an outfeed sweeper for automatic removal of cut pieces.
→ Cut every part within the wall panel, including headers, sills, and blocking
→ Increase efficiency by marking and cutting the top and bottom plates simultaneously
→ Greater design and assembly team collaboration, with design intent embedded into the panel plate layout
→ Face printer to print complete bill of materials directly onto the timber, enhancing assembly efficiency and accuracy without paper instructions. Plus, the part ID remains visible on stacked timber, ready for job site delivery.
→ Reduce waste by automatically cutting scrap into useable lengths

PHYSICAL DATA

Components	Saw Unit, 6 m Infeed Pusher, 6 m Outfeed Table, Outfeed Sweeper Arm Face Printer, Edge Printer
6 m Infeed Pusher	11 m L x 1.0 m W x 1.8 m (+/- 0.05 m) H
6 m Outfeed Table	6.1 m L x 1.4m W x 1.0m (+/- 0.05 m) H
6 m Material Auto Loading Live Deck	4.9 m L x 2.8 m W x 1.0 m (+/- 0.05 m) H

PHYSICAL DATA (CONTINUED)

Footprint of a 6 m system (w/ Auto Loading Live Deck)	18.2m L x 3.2 m W x 2.0 m (+/- 0.060 m) H
Saw blade	1 saw blade, 508 mm diameter
Servo motors	Tabletop (for angle cutting), infeed pusher
Electric motors	Saw blade — 5 hp, 1,750 rpm 6 m Material Auto Loading Live Deck — 1 hp, 1,745 rpm
Pneumatic requirements	100 psi @ 11 scfm
Dust extraction	800 CFM recommended Two 150 mm ports available
Temperature requirements	10° to 35°C (50° to 95°F) ambient (see Printer Specification Sheet for information on ink storage)
Approximate weight	Saw Unit — 400 Kg Infeed Rail (6 m) — 680 Kg Outfeed Table (6 m) — 230 Kg 6 m Material Auto Loading Live Deck — 320 Kg

PERFORMANCE DATA

Modes	Auto Semi-Auto Manual (for non-operation jogging only)
Speed	1 to 2.2 m/s nominal push rate (fully adjustable)
Board capacity	70 x 35 mm to 300 x 50 mm 75 mm height stack maximum for plate and edge printing Max stack height = 146 mm See manual for more information
Saw angulation	+/- 70° (from home position) 90° cut on flat boards from 51 × 102 mm to 51 × 305 mm, up to 102 × 305 mm and 152 × 203 mm
Angle accuracy	+/- 0.1°
Pusher accuracy	1.5 mm
HMI	Touch screen computer

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Hornet II™ Printers

THE HORNET II SAW INCLUDES AN EDGE PRINTER AND A BOTTOM PLATE PRINTER

PHYSICAL DATA

Type	Inkjet
Print heads	8
Print field size	50 mm
Print Cartridges	Storage/Transport: 5° to 40°C
Temperature requirements	Operational: 10° to 35°C
Print Cartridges Shelf life	10-12 months (see date on each cartridge)
Print Cartridges Replacement	Purchase from Result Group for Australia and NZ
Edge Printer	Board Size
Available Print Field	Company Logo Bundle ID Customer or Job Name Bottom Plate or Top Plate Stud Location and Length
Face Printer	Capable of printing a full BOM of every part located within the processed wall section along with many other data options.
Available Print Fields	Attachment Size, Length, and Alias Customer or Job Name Bottom Plate or Top Plate Bundle ID Component ID Company Logo Alias Report Length Summary Length Report When None
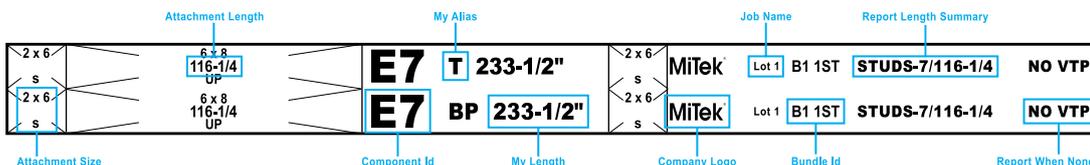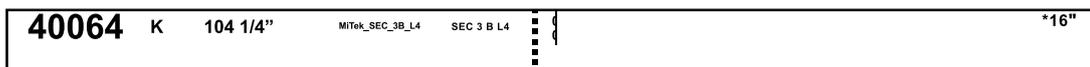
ELECTRICAL DATA

Electrical specs	415 VAC 50 Hz 3-phase
FLA plus control amps	20A
Disconnect protection	25A

SAFETY DATA

E-stops	Pushbuttons
Safety compliance	UL (panels), OSHA
Labels	Bilingual or ISO
Interlocks	Saw hood and saw unit doors