

AutoBench Mark 3



ADVANTAGES

- *Computer controlled.*
- *Fast and accurate (+/- 1mm) trenching and docking plates.*
- *One person operation.*
- *Data download via LAN or USB.*
- *Well guarded for operator safety.*
- *Minimises wastage.*
- *Computer controlled push timber infeed.*



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creating the **advantage**

AutoBench Mark 3

Description:

The AutoBench Mark 3 is a computer controlled wallplate trenching and docking machine, which can be linked to MiTek Australia Ltd's range of software.

Information from architectural plans is keyed into MiTek software programs which are used to detail panels and provide information on stud locations and openings in the wall frame plates.

Using a local terminal on the AutoBench Mark 3, the operator selects jobs and individual panels as they are required to be manufactured. The machine then automatically docks to length and trenches the top and bottom plates at each common stud and opening position. Top and bottom wall-plates are produced simultaneously even though plate thickness may vary.

The AutoBench Mark 3 is a very fast and accurate method of trenching and docking plates as the information is read direct from MiTek software, eliminating the possibility of omitting details from or misreading information from production sheets.

Features:

- Typical output of 400 linear metres per shift, containing both top and bottom plates.
- Accuracy +/- 1mm.
- Minimises wastage by reducing off cuts.
- One man operation.
- Eliminates operator boredom and fatigue associated with manual methods and subsequent errors.
- Operators are easy to train as they do not need expertise in wallframe construction methods.
- Computer controlled timber feed.
- Data downloaded from MiTek wallframing programmes.
- Automatic docking and trenching of plates.
- Produces top and bottom plates simultaneously independent of variation in plate thicknesses.

Installation requirements:

- Electrical: 415, 3 phase, 20 Amps and neutral.
- Compressed air: 552kPA (80psi).
- Floor: Level concrete floor in good condition.

Specifications:

Machine:

- Arrangement - 1 x Docking Saw, 1 x Trenching Saw, 1 x Computer, 1 x 6m infeed bench with automatic timber feed, 1 x 6m outfeed bench.
- Overall equipment dimensions - Length - 14 metres, Width - 1.2 metres, Height - 1.5 metres.
- Saw motors - 2 x 2.2kW, 1440 rpm with fail safe mechanical brake.
- Docking saw blade diameter - 350mm.
- Trenching saw blade diameter - 205mm.
- Trolley speed - 220 mm/second.

Capabilities:

- Racking Wall - Top and bottom plate processed independently.
- Trenching Saw - 37-47 mm width of cut controlled by software.
- Docking Saw - 90° cuts only.
- Minimum plate length - 0mm.
- Maximum plate length - 6000mm.
- The AutoBench Mark 3 will process the following plate combinations -

No. of Pieces	Plate Width x thickness (mm)
2	70 x 45
2	70 x 35
Comb. 1)	70 x 35
1)	70 x 45
2	90 x 45
2	90 x 35
Comb. 1)	90 x 45
1)	90 x 35

Note: Can be modified for 70mm plate thickness.

Computer requirements:

- Industrial PC, with Windows XP, LAN and USB capabilities.

Options:

- Extractor for waste material.
- Touch screen monitor.

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