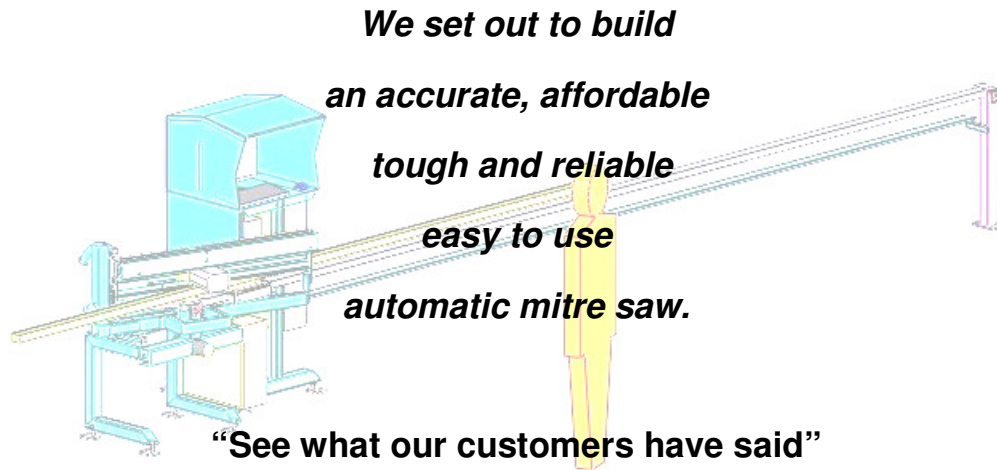


MZ3 Automatic Timber Mitre Saw



Accurate

“The most accurate saw we have got”

- Designed to cut better than +/- 2.0mm on any length
- Accuracy generally less than +/- 1.0mm but depends on timber bow and sweep
- Timber clamp positioned within +/- 0.5mm

Very affordable

- Very low price for an automatic saw.
- Very low running costs – runs from a standard 240V 10A GPO
 - Uses less than 10A at full load
 - Compressed air used for the short stroke material clamp only
 - Economic Thin Kerf saw blade – low power, noise and dust levels

Tough and reliable

“It’s very tough! We haven’t been able to break it”

- Already proven examples running in;
 - A frame and truss plant - 1 ½ years
 - A packing crate manufacturing plant - 6 months
- Simple design - less parts means higher reliability.

Easy to use

“If I can use it, anyone can”

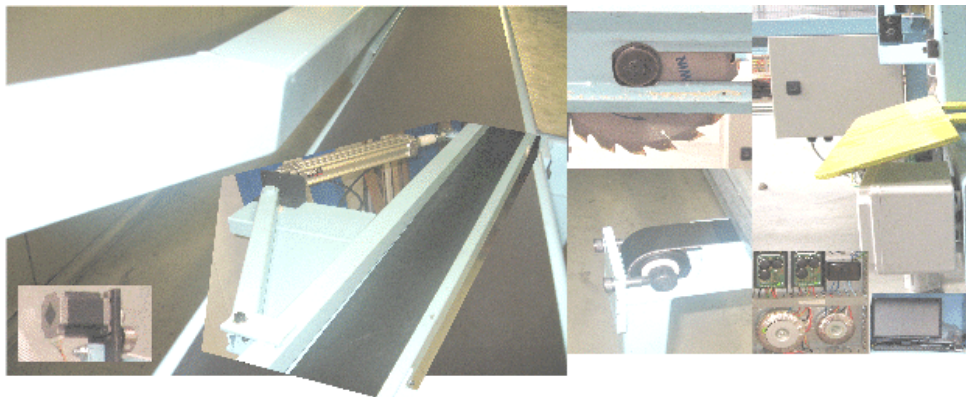
- We designed the software to be used like a Video Player remote
- **If you can use a Video Player you can use this saw!**
- Reads cut files, cut files can be edited or manually enter a line
- Very easy to use physically – dramatically reduces manual handling

Flexible

Q. Is it better than cutting manually?

A. “Hell, yeah!”

- Left or right infeed – you choose to suit your layout
- Designed for Just in time cutting direct to Truss and Frame assembly tables
- Fast – matched to or faster than the maximum practical rate of feeding and removing material
 - 500 four cut webs per 8 hour shift is possible
 - 800 two cut webs per 8 hour shift is possible
- Accepts wide product range – from 70x35 (or smaller) to 240x45mm
- Copes with a wide range of cuts – dock through to 15 degree scarfs and 45 degree bevels
- Comes with 6 metre infeed and dust extraction as standard.
- Flexible – designed so that the following *options* can be added at any time
 - Automatic outfeed kickoff to one or several assembly tables
 - Automatic infeed
 - High speed motors – double the throughput
 - Inkjet label printing and marking
 - Auto bevelling 0 to 45 deg with software flip for double bevels
 - Plate trenching AND docking in one saw



Other features

- Safe
 - Fingers don't go near cutting zone, no pinch points.
 - Blade stops in less than 1 second after each cut
 - Blade retracts after each cut and fully retracts between jobs
 - Comfortable 850mm operating height to underside of timber
 - Accessible E Stop – plus lanyard with kickoff option
- Quiet – very low noise levels compared to any standard pull saw
 - Uses thin kerf blade to reduce power, noise and dust levels
 - 2hp saw motor
 - High volume low noise dust extraction system
- Very compact
 - takes up less space than a standard pull saw of this capacity
 - light and easy to move
 - can fit against a wall or in a corner
- Smart software
 - No manual data entry required **AT ALL!**
 - Mitek 20/20 cut file data is validated by the software for obvious errors
 - Internal fault finding and self diagnostics to locate problems
 - Saw blade speed detection – shuts down if the blade becomes loose or becomes jammed in very wet timber
 - Saw resets itself after any problem is cleared
- Clean
 - Uses thin kerf saw blade to reduce power, noise and dust levels
 - Inbuilt dust extraction system
 - Rear exit micro saw chamber maximise air velocity while keeping noise levels down
 - Floor extraction grate supplied for operator use
- Appearance
 - use the Form follows Function design philosophy
 - designed to be light, clean and minimalist

- **Cutting edge design!**
 - uses latest engineering methods
 - 3D CAD
 - Finite Element stress analysis
 - Latest control systems
 - Digital control
 - Brushless motors – with high speed servo option
 - Runs on Windows 95 through to Windows Vista
 - Mechanical components
 - Steel chord polyurethane timing belts – stiffness and accuracy
 - Aluminium pulleys to reduce inertia for maximum speed
 - ISO standard pneumatic cylinders - interchangeable
 - Aluminium housing saw motor – cooling and weight
 - Precision linear bearings and rolled ball screw - accuracy

Existing users:

The Truss Factory, Neerabup WA - used extensively for webs.

Capable of chords but used less often due to 3m “double hitch” bed (due to space constraints). Fitted with outfeed roller table.

Aussie Crates, Bentley WA - software reconfigured for docking. Fitted with powered outfeed kickoff.

Service and support:

For all software, electronic and mechanical support.

[MZ3 Pty Ltd](#)

3/61 Buckingham Drive

Wangara WA 6065

MZ3 has support alliances with

Machine Programmers

Electricians with automation specialty

Mechanical technicians.