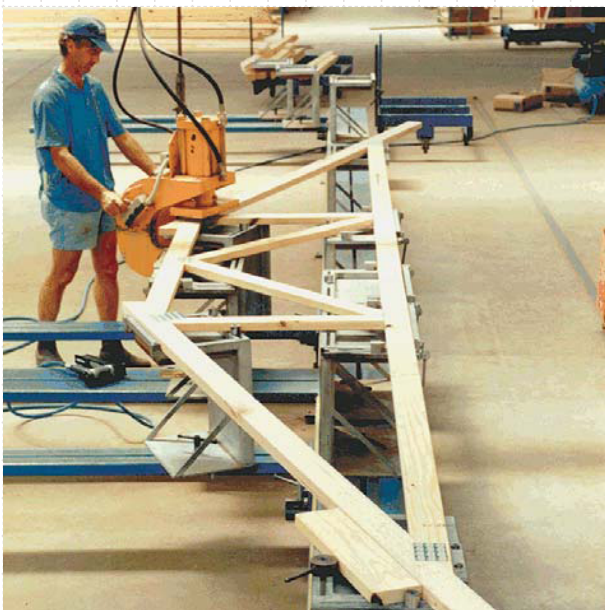


# FLO-JIG

## PEDESTAL STYLE JIGGING FOR MANUFACTURING ROOF TRUSSES

- Low cost flexible and robust jiggling system
- Easily intergrated into factory design
- Minimal operator training required, and low maintenance
- Expandable to make larger trusses



MiTek<sup>®</sup>

[www.mitek.nz.co.nz](http://www.mitek.nz.co.nz)

© Copyright 2019 MiTek Holdings, Inc. All rights reserved Sept 2019



# FLO-JIG

## PEDESTAL STYLE JIGGING FOR MANUFACTURING ROOF TRUSSES

### Description:

Pedestal style jigging system for use in the manufacture of roof trusses.

### Features:

- Compatible with many different press head types and therefore can be readily integrated into an existing factory.
- Cheap - relative to table presses and multi-head systems.
- Robust and heavy design of the jig ensures consistent truss shapes and dimensions during set-up.
- Moving arms always remain square to bottom chord rail. The outer ends are on castors to facilitate quick and easy movement.
- Simple - minimal operator training required for quick set-ups.
- Tapes on base and apex rails for quick and accurate setup.
- Adaptable - easily expandable to make bigger or more complex trusses.
- Low maintenance - routine inspection and cleaning only.
- Strong & robust - will last for a long period of time in a normal day to day truss plant environment.
- Suits large truss sizes - up to 4 metres apex height.
- Low rail height - for ease of operation and movement around jig.

### Flow-Box features:

- Flow through box design allows a C-Frame press to move along truss chords without the need to move the press head in and out of boxes, significantly increasing productivity and reducing operator fatigue.
- Stiffness of Flo-Boxes - truss will not move during set-ups enabling consistent truss shapes regardless of bowing of members and tightness of webs.
- Simple camber adjustment - no need for string line.
- Heel & apex locating devices.
- Heel clamps - specifically designed cam-type clamps.
- Flo-Box locking clamps - simple method of moving and locking flo-Boxes into position.
- Large nail plates - splice boxes designed to allow pressing of plates up to and including 420mm x 270mm
- Nail trays - allow easy placement of bottom nail plates prior to placement of timber, and top and bottom plates to be pressed simultaneously.
- Integral measuring tapes on fixed apex and bottom chord rails with pointers on Flo-Boxes enable jig to be set-up without using extra tape measures.
- Low jig height enables the operators to comfortably walk across the jig when loading and unloading the truss.

### Jig details:

- Overall dimensions: length 12 or 16m, width 4363mm, rail height 312mm, Flo-Box height 475mm, total height 787mm.

### Standard configurations:

- 12m bottom chord rail, 4m apex rail, 4 moving arms and 12 Flo-Boxes,
- 16m bottom chord rail, 4m apex rail, 6 moving arms and 15 Flo-Boxes,
- 16m bottom chord rail, 4m apex rail, 4 moving arms and 12 Flo-Boxes.

### Moving arms:

- 12 box jig - 2 x 2.0m, 2 x 2.5m
- 15 box jig - 2 x 2.0m, 2. x 2.5m, 2 x 3.0m

### Flo-box sets:

- Set of 12 - 1 x apex, 2 x heel, 3 x splice, 6 x universal
- Set of 15 - 1 x apex, 2 x heel, 4 x splice, 8 x universal.
- 2 measuring tapes mounted to the bottom chord rail.
- 1 measuring tape mounted to the fixed apex rail.

### Truss information:

- Capable of setting up most trusses that have all connections on external chords.
- The number of panel points is limited to either 12 or 15 with a standard jig, but more can be accommodated with portable nail trays.
- Truss span and apex height :  
Truss Span 12 or 16m, Apex Height 4m.
- Spans on a standard jig can be up to 12m or 16m, depending on the jig, with up to 4m apex height.  
Note: longer or shorter jig lengths can be provided if required by the customer.
- Maximum timber width:  
240mm bottom chord, 270mm top chord (20-27.5°).

### Options:

- Portable nail trays for internal or extra joints.
- Portal or Gantry press to press joints.
- Bottom chord press.
- Magnetic Flo-Jig option.
- Pneumatic clamping of Flo-Box and moving arm positions.
- Standard Flo-Jig base and apex rail extensions to suit customer's requirements.
- Laser projection system for positioning of Flo-Boxes, timber and nail-plates.

