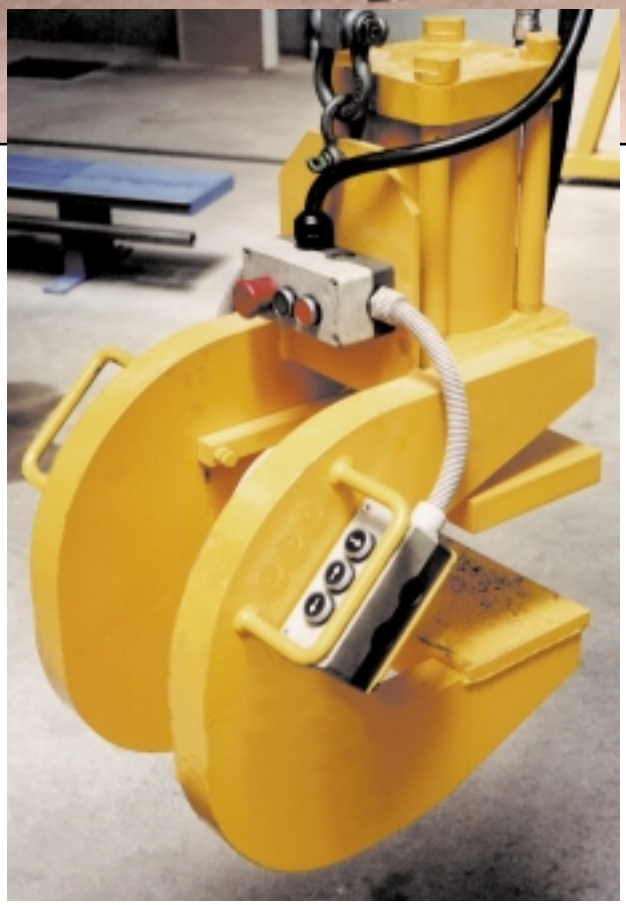
PORTAL PRESS & FLO-JIG SYSTEM



ADVANTAGES

- *Ideal for small to medium size truss plants.*
- *Quick set up and pressing cycles.*
- *Two handed pressing operation to ensure safety.*
- *Low maintenance.*
- *Simple and robust construction.*

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PORTAL PRESS & FLO-JIG SYSTEM

Description:

The Portal Press & Flo-Jig System is ideal for small to medium size truss plants. It is an efficient two man system which allows production output to be increased by the addition of operators and by adding a second jig. The Portal Press & Flo-Jig System is versatile and very quick to set up, making it an ideal manufacturing system for the increasingly complex roof shapes of the modern home.

Features:

Portal Press:

- Two handed operation ensures operator hands are never in the pressing area.
- Lightweight press reduces operator fatigue.
- Anti-tilt press head suspension prevents displacement of connectors and webs during pressing operation.
- Portal Frame is power driven with soft stop and soft start for easy control of press head movement.
- Low profile press travel rails allows easier movement of trolleys.
- Efficient hydraulics system ensures quiet, maintenance free operation.
- Simple robust construction.

Standard Flo-Jig:

- Low rail height - for ease of operation and movement around the jig.
- Able to press a large variety of trusses.
- Simple to use.
- Easy camber adjustment (no string line needed to set up).
- Flo-Jig: robust, stiff frame and box construction (truss shapes can be maintained even when webs are very tight).
- Tapes on base & apex rails for quick and accurate setup.
- Moving arms always remain square to bottom rail. Outer ends on castors to facilitate quick and easy movement.
- Flo-Thru pressing boxes allow 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.
- Flo-Thru boxes provide a shelf enabling the bottom nail-plate to be placed prior to placement of timber, allowing top and bottom plates to be pressed simultaneously.

Specifications:

- Overall equipment dimensions -

  length 1600mm + Flo-Jig length, width 6300mm, height 2630mm.

Press Details:

- Platen size (top & bottom, WxD) - 310 x 180mm.
- Hydraulic power pack motor - 7.5kW.
- Maximum hydraulic pressure - 19,100 kPa,(2,700 psi).
- Power requirements - 415 V, 3 Phase, 20 A (includes the drive motors).

Portal travelling frame:

- Support structure consisting of an I-Beam mounted on the apex of two A-Frames. Frame drives along rails mounted to the floor.
- I-Beam length (traverse rail) - 6200mm.
- Length of travel - usually 24m (4 x 6m rail sections).
- Rail centres - 6000mm.
- Travel motors - 2 x 0.75kW.
- Travel speed - 42 m/min.

Standard Flo-Jig Details:

- Flo-Jig bottom chord rail length - 12m or 16m.
- Flo-Jig apex rail height - 4m.
- Flo-Jig moving arms - 2 x 2.0m, 2 x 2.5m (12 Flo-Box Jig).
- Flo-Jig moving arms - 2 x 2.0m, 2 x 2.5m, 2 x 3.0m (15 Flo-Box Jig).
- Flo-Box details - 12 or 15 Flo-Boxes in a standard set.

  A set of 12 Flo-Boxes consists of:
  2 heel, 6 universal, 1 apex, 3 splice.

  A set of 15 Flo-Boxes consists of:
  1 apex, 2 heel, 4 splice and 8 universal.

Truss Information:

- Capable of pressing 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:
  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:

- 45T press head.
- Magnetic Flo-Jig option.
- Flo-Jig with pneumatic clamping.
- Standard Flo-Jig base and apex rail extensions to suit customer's requirements.
- Standard Flo-Jig moving apex rail.
- Laser projection system for positioning of Flo-Boxes, timber and nail-plates.
- Bottom chord press.

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