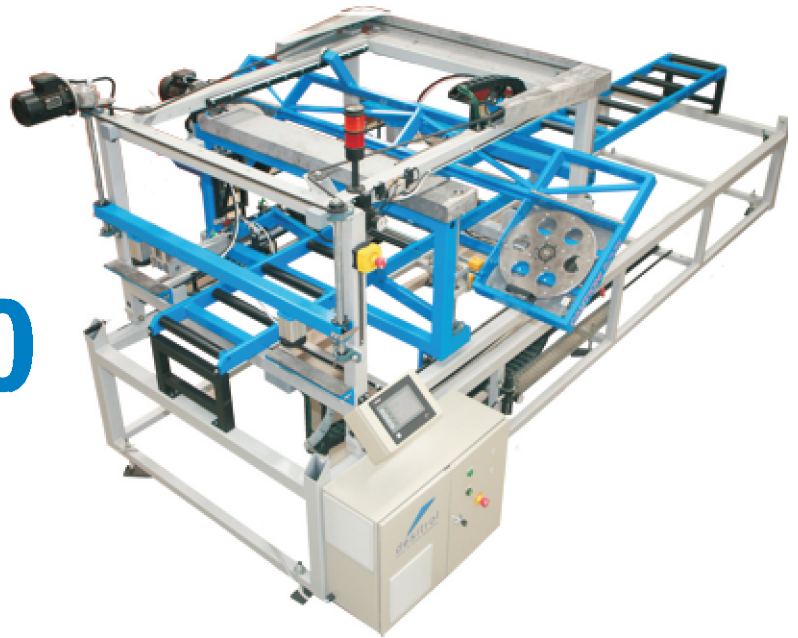




JCW-A500

Coldwire Unit



Description:

Designed for inline cutting of Panel Core materials. This machine is capable of straight cuts or a variety of standard cut types, including rebate cuts and Roof panel cut backs. Three fully programmable Customer cut types are also available. Entry of the various cut types as well as machine control and manual operation are via a 150mm colour touch screen (HMI). The cutting principle is similar to a bandsaw, however a 1.5mm round abrasive wire is used allowing cutting in any direction. PLC Controlled Ballscrews and linear bearings are used for the X and Y axis Motion.

Principle of operation:

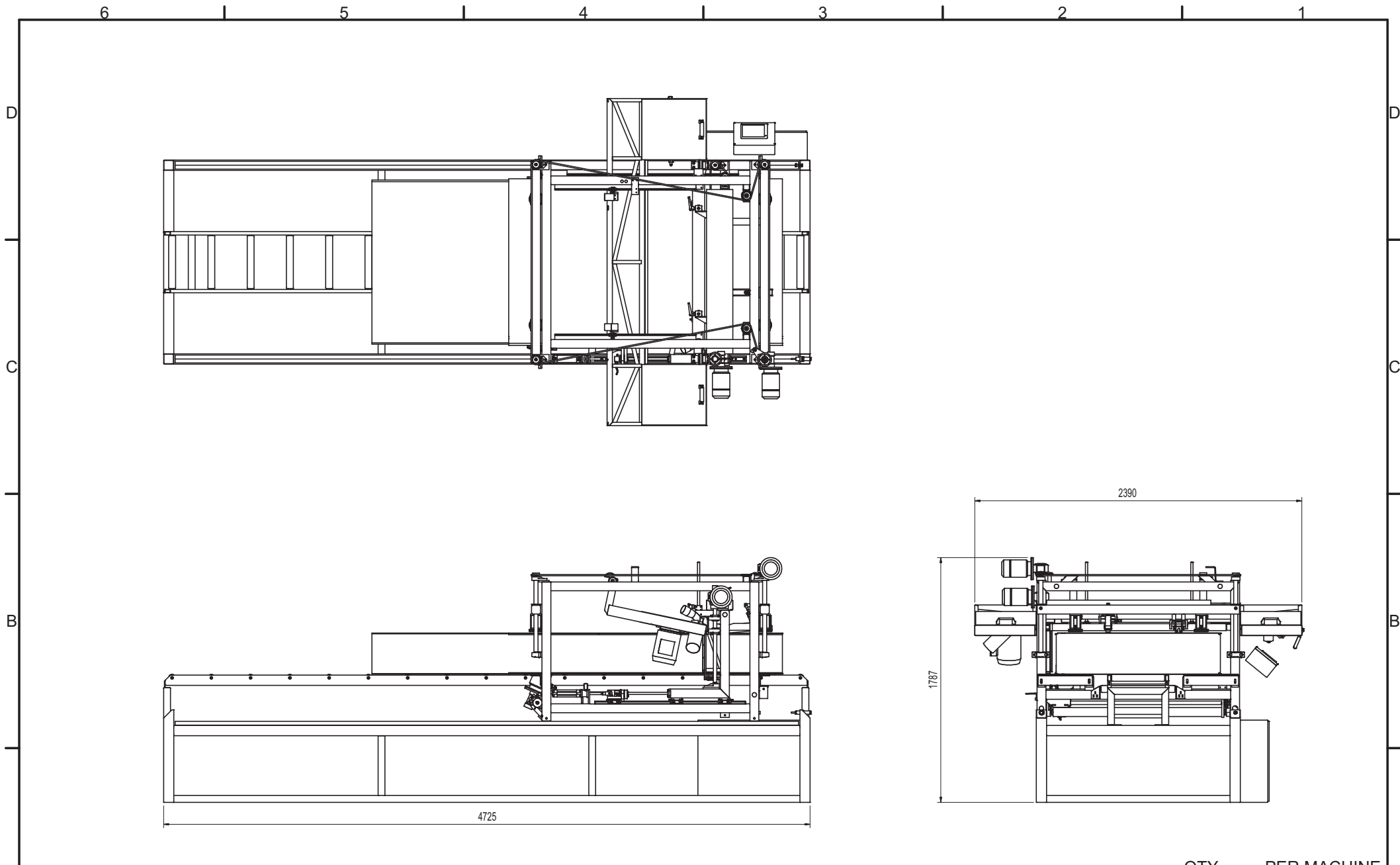
When the mechanical or optical sensor “finds” the skin cut in the panel from a previous silent cutter or saw unit, the main carriage clamps onto the panel and travels with it while the core cut operation is carried out. A further locating finger then accurately locates the skin cut. The X axis traverses until the wire is directly over the skin cut. The wire then enters the panel and the selected cut type is performed. Special joint separation clamps open the cut to allow snag free exit of the wire from the panel. Upon completion of the cut a return motor drives the carriage to the home position ready for the next panel cut.

Specification:


- Maximum Line speed: 5m/min (Straight Cuts 50mm Panel)
- Maximum Panel Thickness: 300mm
- Cutting Speed: 1-5 m/min
- Power Requirement: 415VAC 3 PH. 10 Amps
- Compressed Air: 5 l/min FAD 600 kPa Pressure.
- Consumables: Abrasive Coldwires
- Dimensions: 2390 Wide x 4725 Long x 1187 High

Agent:

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QTY. PER MACHINE

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|---|--|--|--|----------------------|------------|-------------------------|--|--------------|
| PHONE: +61 7 3382 7844 FAX: +61 7 3382 7866 www.desitrol.com info@desitrol.com | |  DESITROL PTY LTD Design and Control Engineering ABN 90 113 172 964 | Designed by desitrol | Drawn by desitrol | Vendor | Scale | Path & Filename D:\Cad Files\Inventor Files\Drawings_Desitrol\CW-Coldwire New Desitrol\JCW-A500.iam | |
| Unit 5 / 2 Commerce Circuit. Yatala, Gold Coast, Queensland Australia, 4207 | | | Description Coldwire Unit Material: Finish: | Project: | Size A3 | Date 20/12/2006 | | |
| ALL MACHINED SURFACES GENERAL TOLERANCE 0.25 U.N.O. BREAK ALL SHARP EDGES U.N.O. ALL DIMENSIONS IN mm U.N.O. | | 3.2 / 0.25 U.N.O. | | Rev: 0 | | Drawing No. JCW-A500 | | Sheet 1/1 |

| REV | DATE | DESCRIPTION | BY |
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REVISION HISTORY