



U-300P Frame Joining Capabilities

(was M4)

Moulding Width

6mm min to 80mm max
(1/4" up to 3 1/4")

Moulding Height

6mm min to 80mm max
(1/4" up to 3 1/4")

Max Distance Between V-Nails

125mm (5")

Pre-set V-Nail Position Stops

3

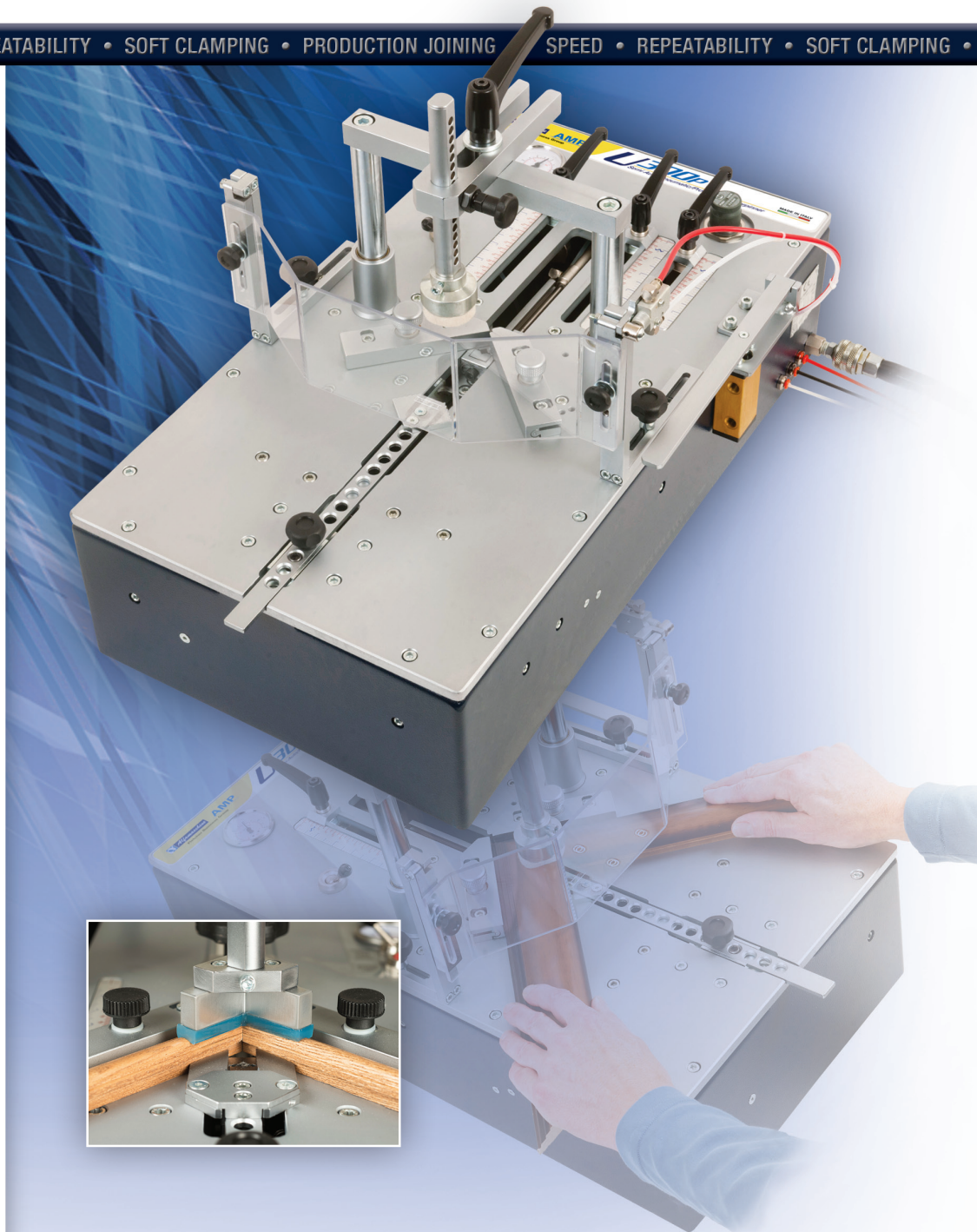
V-Nail Sizes

3, 5, 7, 10, 12, 15mm
(SW-HW-HDF)

V-Nail Capacity

220 V-Nails

MADE IN ITALY

U-300P Semi-Auto Pneumatic Production Underpinner

The **U-300P** is a bench top, base model, for production joining applications where the operator is looking for speed and repeatability of joining the same sized moulding.

The design of the **U-300P** allows the operator to set up to 3 position stops for V-Nail insertion. The Nail Head pneumatically moves underneath the fixed frame and the joining cycle is actuated first by the hand lever locating the pre-set V-Nail position and then the V-Nail is inserted by actuating the foot pedal.

For framers looking for a similar type of joining machinery but require flexibility of joining different moulding sizes, refer to the U-300.

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| Frame Joining Capabilities: | Moulding Width (min to max) | Moulding Height (min to max) | Max Distance Between V-Nails (Stroke) | Pre-set V-Nail Position Stops | V-Nail Sizes (SW-HW-HDF) | V-Nail Channel Capacity |
|-----------------------------|-----------------------------|------------------------------|---------------------------------------|-------------------------------|--------------------------|-------------------------|
| | 6 to 80mm (¼" to 3 1/4") | 6 to 80mm (¼" to 3 1/4") | 125mm (5") | 3 | 3, 5, 7, 10, 12, 15mm | 220 V-Nails |

Clamping Pad System



Positive Placement Vertical Clamping

- Improves clamping by incorporating pre-drilled positioning adjustments
- Spring loaded pull pin locking mechanism eliminates slippage, wear on vertical rod and allows quick adjustments



Easy Field Replacement

Enables a quick change to a different clamping pad depending on joining applications



Clamping Pads

- All clamping pads are interchangeable with magnetic, single and double metal pressure plates
- Three different pads are available based on moulding hardness, contour, finishes or coatings

U-300P Unique Performance Features

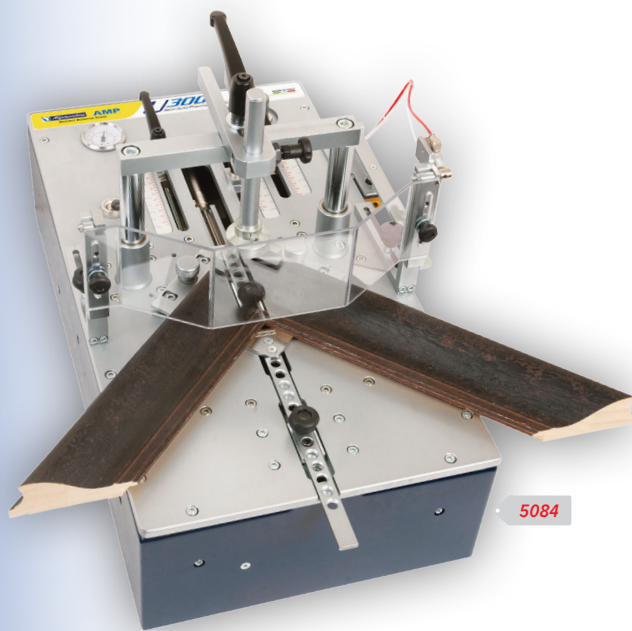
- Features pneumatic loader to eliminate nail jams
- "Soft Clamping" pneumatic feature for damage free joints
- Quick-change magnetic pad hold down feature fitting most moulding profiles
- Operates only with pneumatic air, no electrical hook-up needed
- Dual actuation functions for V-Nail position and pre-set V-Nail insertion
- Designed with a unique trouble free piston V-Nail driver block-blade – up to 1 million cycles
- CE Compliant

Machine Dimensions & Weight

Width: 350mm (14")
Length: 640mm (25")
Height: 500mm (20")
Weight: 36kg. (79lbs.)

Power Requirements

Compressed Air 3NI at 5 Bar



U-300P Part No Information

International Market
5084 #178660007CE

U-300P Underpinner
Semi-Auto/Pneumatic/ Production Underpinner
(was Model M4)

U-300P Underpinner includes:

- (1) 7mm Nail Head
- (1) 10mm Nail Head
- (1) 12mm Nail Head
- (1) Single Vertical Positive Placement Clamp
- (1) Single Metal pressure plate
- (1) Magnetic Base for Clamp Assembly
- (1) Blue Rubber Pad (SW)
- (1) Yellow Rubber Pad (MW)
- (1) Black Rubber Pad (HW)
- (1) Front Horizontal Clamp
- (1) Round Pressure pad - Felt
- (1) 4mm Hex key
- (1) 5mm Hex key
- (1) Adjustable Fence (3 knobs)
- (1) Machine Manual w/warranty card

Accessories & Replacement Items

- 3844A** Extension Wings Kit #291650010
- 244120130** Magnetic Base for Clamp Assembly
- 827** Floor Stand Option #240450041
- 242230300** Single Metal Pressure Plate
- 397100005** Magnetic – Single Metal Pressure Plate
- 242230320** Double Metal Pressure Plate
- 9463** Blue Replacement Rubber Pad
For softer woods
- 9464** Yellow Replacement Rubber Pad
For medium woods
- 9465** Black Replacement Rubber Pad
For harder woods
- 243160030** Adjustable Fence (3 knobs)
- 243140020** Fixed Fence 90° Raise H10
- 298390380** Single Vertical Positive Placement Clamp
- 242230271** Double Hydraulic Clamping Mechanism
- 394950010** Nail Head – 3mm
- 1954A** Nail Head – 5mm
- 1954B** Nail Head – 7mm
- 1954C** Nail Head – 10mm
- 1954D** Nail Head – 12mm
- 1954E** Nail Head – 15mm

Check prices at: www.lionpic.co.uk



Alfamacchine "Power Twist"® PTM V-Nails

These are designed to improve the mitre joint quality for framed art or woodworking type assemblies. Available in 3, 5, 7, 10, 12, and 15 mm sizes.

In packages for custom framers or larger volume production. Use with softwood, hardwood, MDF and plastic frame mouldings.

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