

PNEUMATICALLY OPERATED • SOFT CLAMPING FEATURE • SMALL TABLE-TOP FOOT PRINT • DUAL FUNCTION FOOT PEDAL • SINGLE & MULTIPLE STACK



U-300 Frame Joining Capabilities (was M3)

Moulding Width
6mm min to 60mm max
(1/4" to 2 3/8")

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

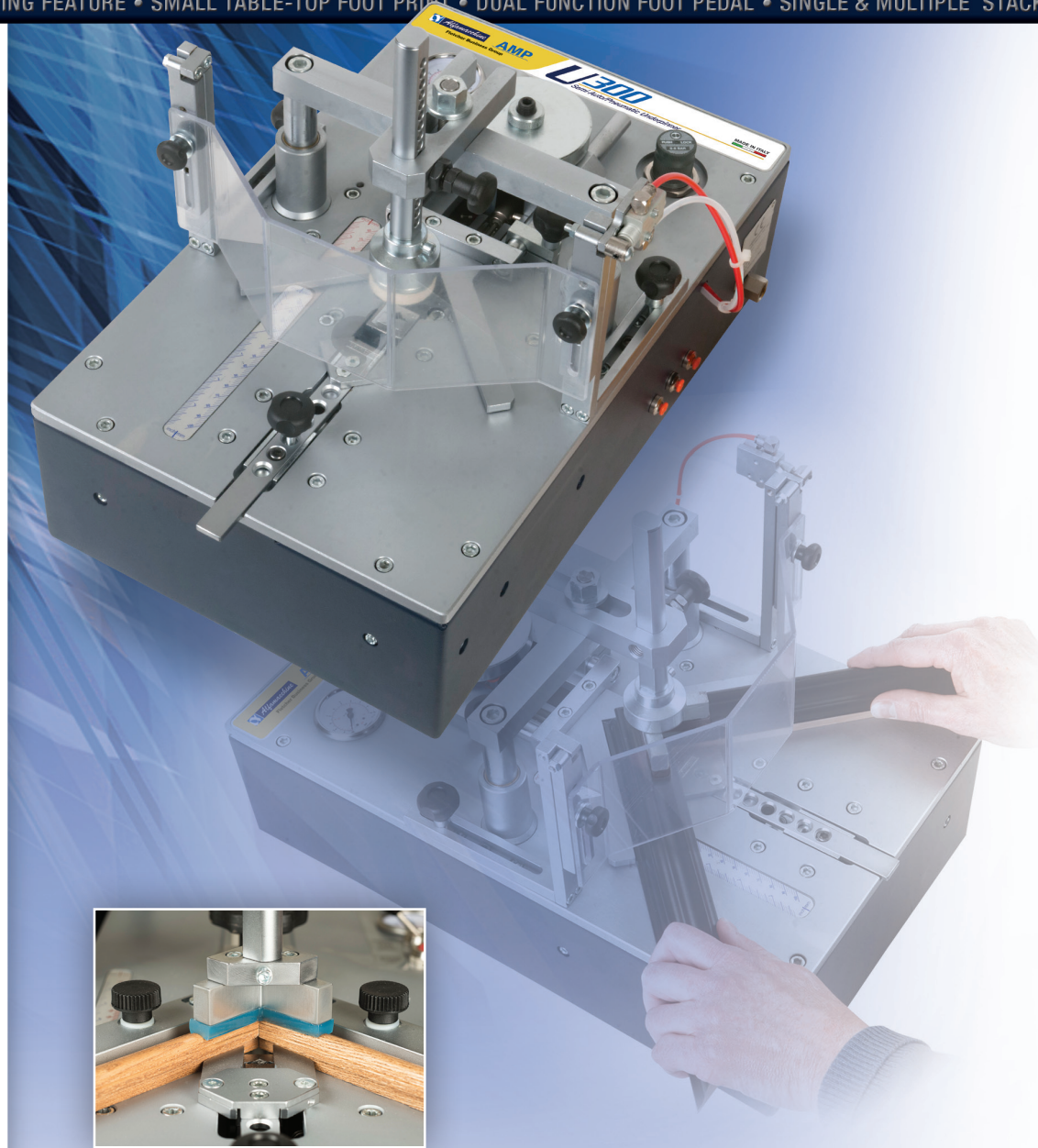
**Max Distance
Between V-Nails**
80mm (3 1/4")

**Pre-set V-Nail
Position Stops**
Multiple

PTU V-Nail Sizes
3, 5, 7, 10, 12, 15mm
(SW-HW-HDF)

**V-Nail
Channel Capacity**
220 V-Nails

MADE IN ITALY

U-300 Semi-Auto Pneumatic Underpinner

The **U-300** is a bench top frame joining machine and the most popular model with custom frame shops. It is compact, well constructed and built for many years of trouble free operation.

The design of the U-300 allows the framer to set the front and back stops for V-Nail insertion. The frame is then moved across the nail head and V-Nails are driven or stacked anywhere along the frame joint. V-Nail insertion is actuated through the use of a pneumatic pedal.

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PNEUMATICALLY OPERATED • SOFT CLAMPING FEATURE • SMALL TABLE-TOP FOOT PRINT • DUAL FUNCTION FOOT PEDAL • SINGLE & MULTIPLE ST

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	V-Nail Channel Capacity
	6 to 60mm (¼" to 2 3/8")	6 to 80mm (¼" to 3 1/4")	80mm (3 1/4")	Multiple	3, 5, 7, 10, 12, 15mm (SW-HW-HDF)	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-300 Unique Performance Features

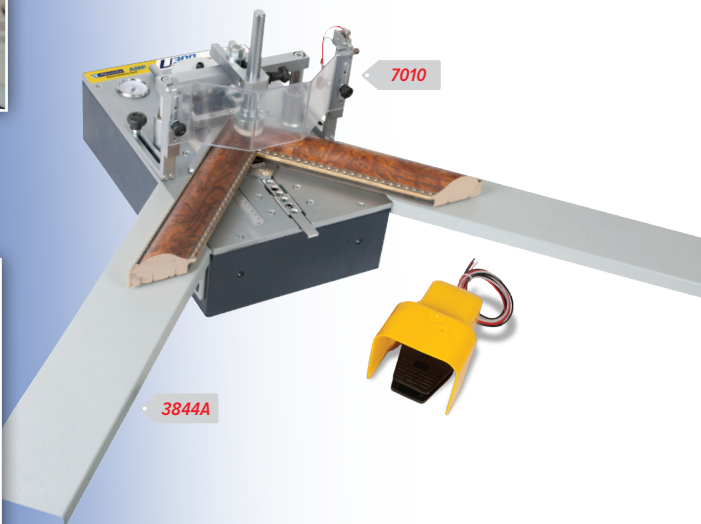
- Features pneumatic loader to eliminate nail jams
- "Soft Clamping" pneumatic feature for damage free joints
- Quick-change magnetic base hold down feature fitting most moulding profiles
- Small table-top foot print needed – 305mm (12") wide x 485mm (19") length x 456mm (18") high
- Operates only with pneumatic air, no electrical hook-up needed
- Dual function foot pedal for separate control of mould clamping and V-Nail insertion
- Designed with a unique trouble free piston V-Nail driver block-blade system for years of dependable single and multi-stacking operations
- CE Compliant

Machine Dimensions & Weight

Length: 485mm (19")
Width: 300mm (11 ¾")
Height: 456mm (18")
Weight: 35 kg. (77 lbs.)

Compressed Air Requirements

3NI at 5 Bar



Part No Information

7010 # 178650001CE

U-300 Underpinner
Semi-Auto/Pneumatic
(Formerly Model M3)

U-300 Underpinner includes:

- (1) 7mm Nail Head
- (1) 10mm Nail Head
- (1) 12mm Nail Head
- (1) Fixed Fence 90°
- (1) Single Vertical Positive Placement Clamp
- (1) Magnetic Base for Clamp Assembly
- (1) Single Metal pressure plate
- (1) Blue Rubber Pad (SW)
- (1) Yellow Rubber Pad (MW)
- (1) Black Rubber Pad (HW)
- (1) Round Pressure pad - Felt
- (1) Front Horizontal Clamp
- (1) 4mm Hex key
- (1) 5mm Hex key
- (1) Machine Manual w/warranty card

Accessories & Replacement Items

- 3844A Extension Wings Kit #291650010
- 244120130 Magnetic Base for Clamp Assembly
- 298390370 Single Vertical Positive Placement Clamp
- 7059 Floor Stand Option
- 242230300 Single Metal Pressure Plate
- 397100005 Magnetic – Single 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
- 243160020 Adjustable Fence (2 Knobs)
- 375400010 Fixed Fence – 120°
- 375600010 Fixed Fence – 135°
- 243180010 Fixed Fence 90° Raise H10
- 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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Fletcher Business Group

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