

AMP

U-300P Frame Joining Capabilities

(Formerly Model VN4L)

Moulding Width

(min to max)

1/4" to 3 1/4"

(6 to 80mm)

Moulding Height

(min to max)

1/4" to 3 1/4"

(6 to 80mm)

**Max Distance
Between V-Nails
(Stroke)**

5"

(125mm)

Pre-set V-Nail Position Stops

3

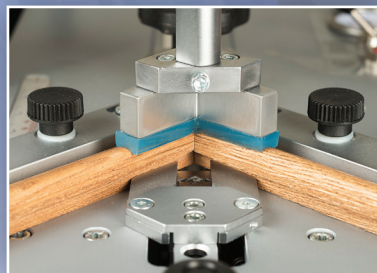
V-Nail Sizes

3, 5, 7, 10, 12, 15mm

(SW-HW-HDF)

V-Nail Channel Capacity

220 V-Nails



U-300P Semi-Auto/Pneumatic/Production Underpinner

The *U-300P* is a bench top, base model for production joining applications where the customer 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 those customers looking for a similar type of joining machinery but require flexibility of joining different moulding sizes, refer to our U-300 unit.



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• PRODUCTION JOINING • SPEED • REPEATABILITY • SOFT CLAMPING • PRODUCTION JOINING • SPEED • REPEATABILITY • SOFT CLAMPING • P

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

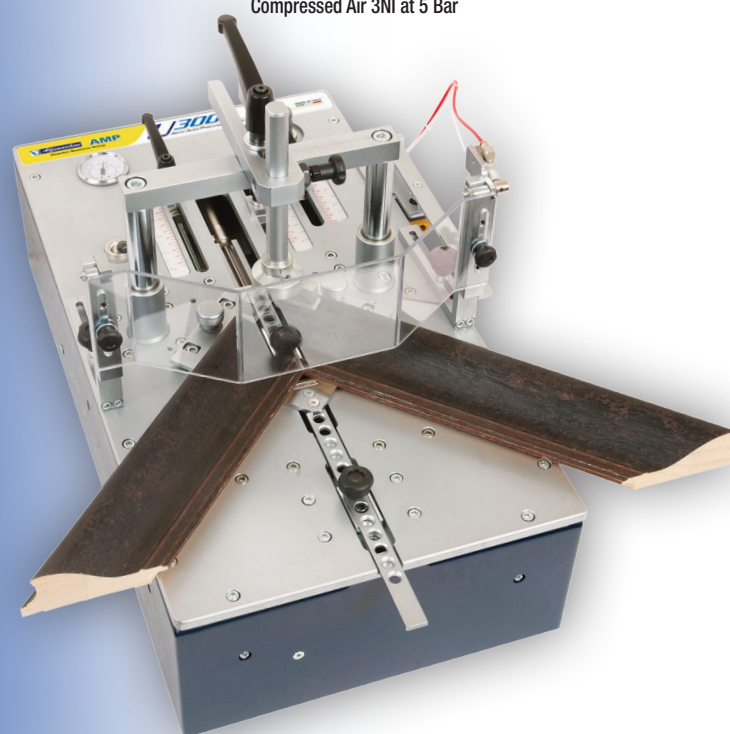
- Features pneumatic loader to eliminate nail jams
- "Soft Clamping" pneumatic feature for damage free joints
- Quick-change magnetic pad hold down feature fitting most moulding profiles
- Operates only with pneumatic air, no electrical hook-up needed
- Dual actuation functions for V-Nail position and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

Machine Dimensions & Weight

Width: 14" (350mm)
Length: 25" (640mm)
Height: 20" (500mm)
Weight: 78lbs. (36kg.)

Power Requirements

Compressed Air 3NI at 5 Bar



Part No Information

North American Market Part # 04-079

U-300P Underpinner
Semi-Auto/Pneumatic/ Production Underpinner
(Formerly Model VN4L)

U-300P Purchase Package

- (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 Allen Wrench
- (1) 5mm Allen Wrench
- (1) Adjustable Fence (3 knobs)
- (1) Machine Manual w/warranty card

Accessories & Replacement Items

- 04-048 Extension Wings Kit
- 04-167 Magnetic Base for Clamp Assembly
- 04-045 Floor Stand Option
- 04-020 Single Metal Pressure Plate
- 04-023 Magnetic – Single Metal Pressure Plate
- 04-022 Double Metal Pressure Plate
- 04-026 Blue Replacement Rubber Pad (recommended for SW)
- 04-025 Yellow Replacement Rubber Pad (recommended for MW)
- 04-024 Black Replacement Rubber Pad (recommended for HW)
- 41-157 Adjustable Fence (2 knobs)
- 41-221 Single Vertical Positive Placement Clamp
- 41-151 Double Hydraulic Clamping Mechanism
- 04-090 Nail Head – 3mm
- 04-095 Nail Head – 5mm
- 04-091 Nail Head – 7mm
- 04-092 Nail Head – 10mm
- 04-093 Nail Head – 12mm
- 04-094 Nail Head – 15mm

AMP "Power Twist®" pulling power V-Nails 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. Offered in convenient packages for the custom framers or large volume production package for use with softwood, hardwood, MDF and plastic framing materials.



For OEM inquiries contact our
OEM Framing Group at 847.821.2170

Fletcher Business Group

www.fletcher-terry.com 800.843.3826

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