

• PNEUMATICALLY OPERATED • FREE STANDING • SEMI-AUTOMATIC OPERATION • DUAL FUNCTION FOOT PEDAL •



**U-400S Frame
Joining Capabilities**
(Formerly Model M44)

Moulding Width
6mm min to 80mm max

Moulding Height
5mm min to 80mm max

**Max Distance
Between V-Nails**
120mm

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

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

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



MADE IN ITALY

U-400S Semi-Auto Pneumatic Underpinner

The **U-400S** has been designed for ease of operation and is particularly well suited for joining frame mouldings up to 80mm in width.

Supplied with a tilting floor stand, the **U-400S** can be operated from the front or back. It has a three stage pneumatic foot pedal that activates the Horizontal and Vertical Clamp which secures the moulding during the joining action.

After the operator sets the two position stops for establishing the maximum distance between them, the hand lever is then used to position and actuate the V-Nail Driver Assembly inserting V-Nails anywhere along the pre-set distance.

Authorised
Alfamacchine Distributor



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Frame Joining Capabilities:

Moulding Width
(min to max)
6 to 80mm

Moulding Height
(min to max)
5 to 80mm

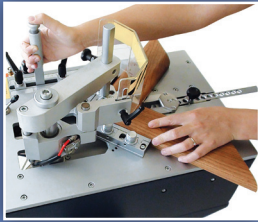
Max Distance Between V-Nails (Stroke)
120mm

Pre-set V-Nail Position Stops
Multiple

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

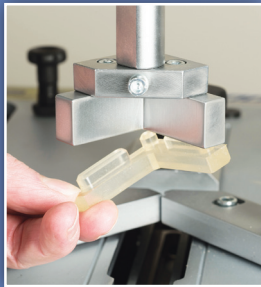
V-Nail Channel Capacity
220 V-Nails/channels

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 and single metal pressure plates
- Three different pads are available based on moulding hardness, contour, finishes or coatings

U-400S Unique Performance Features

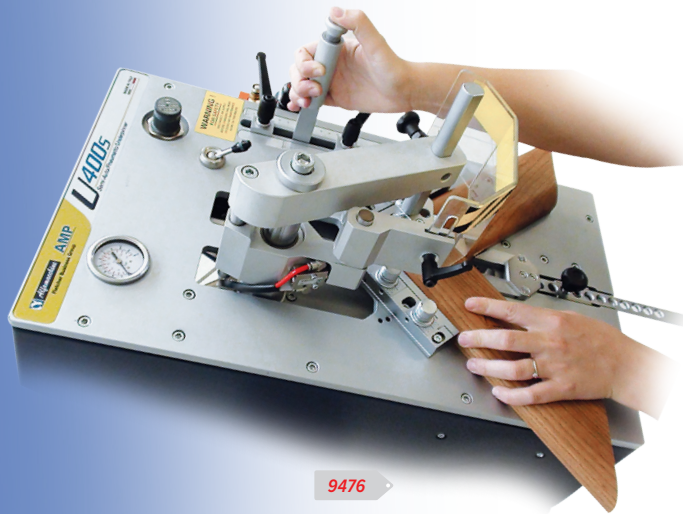
- Handles up to 80mm wide moulding
- Operator controlled arm allows framer to accurately position the Nail Head for inserting or stacking V-Nails anywhere along the frame joint
- Uses both a vertical and horizontal clamping method
- Adjustable working table height for operator comfort
- Easy table tilt adjustment
- Join either from back or front of machine
- CE Compliant

Machine Dimensions & Weight

Length: 600mm
Width: 560mm
Height: 1350mm
Weight: 90 kg

Power Requirements

Compressed Air 3NI at 5 Bar



9476

Part No Information

9476 #178690006CE

U-400S Underpinner
Semi-Auto/Pneumatic
(was M44)

U-400S 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 Pads (SW)
- (1) Yellow Rubber Pads (MW)
- (1) Black Rubber Pads (HW)
- (1) Round Pressure pad in felt
- (1) Adjustable Fence (3 Knobs)
- (1) Floor Stand
- (4) Machine base levelers
- (1) 4mm Hex key
- (1) 5mm Hex key
- (1) 6mm Hex key
- (1) Machine Manual
- (1) Machine Manual w/warranty card

Accessories & Replacement Items

- 3844A** Extension Wings Kit **#291650010**
- 244120130** Magnetic Base for Clamp Assembly
- 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
- 298390390** Single Vertical Positive Placement Clamp
- 394950010** Nail Head – 3mm
- 1954A** Nail Head – 5mm
- 1954B** Nail Head – 7mm
- 1954C** Nail Head – 10mm
- 1954D** Nail Head – 12mm
- 1954E** Nail Head – 15mm
- 243140020** Fixed Fence 90° Raised H10

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.