



U-500 Frame Joining Capabilities (Formerly Model M4 Memory Program)

Moulding Width
6mm min to 105mm max
(1/4" to 4 1/2")

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

Max Distance Between V-Nails
145mm (5 3/4")

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-500 Memory Programmed/Single Channel Underpinner Framing Machine

The **U-500** is recommended for high volume production framing that require the primary use of a single sized V-Nail for joining picture, doors and window frames. The **U-500** has the same user-friendly, touch screen interface as our U-600 Underpinner, the only difference being the **U-500** has single V-Nail channel compared to the multi-channel capacity of the U-600 unit.

With data storage of 5,000 different frame profiles, the operator can easily recall any frame profile either alphabetically, numerically or scanned using the bar code reading option.

The Alfamacchine **U-500** Computerized Air Pressure System (C.A.P.S.), is the latest operating feature for frame joining, eliminating the need to making manual air pressure adjustments for the Vertical Clamping Mechanism. The software includes the functionality of applying a damp vertical clamping motion reducing moulding damage with soft materials or delicate finishes.

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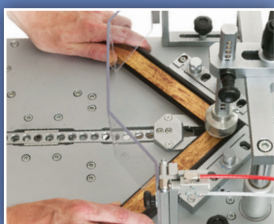


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Frame Joining Capabilities:	Moulding Width (min to max)	Moulding Height (min to max)	Max Distance Between V-Nails (Stroke)	Pre-set V-Nail Position Stops	V-Nail Sizes	V-Nail Channel Capacity
	6 to 105mm (¼" to 4 1/2")	6 to 80mm (¼" to 3 1/4")	145mm (5 3/4")	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-500 Unique Performance Features

- Speed and repeatability for production requirements
- User friendly touch-screen P.C. operation with data storage for 5,000 frame profiles
- Integrates Bar Code Scanner option for production efficiency
- Features a three knob adjustment fence for compensating moulding cuts
- Join either from front or back of machine
- Easy table tilt adjustment
- Machine handles all types of wood, plastics and MDF materials
- CE Compliant

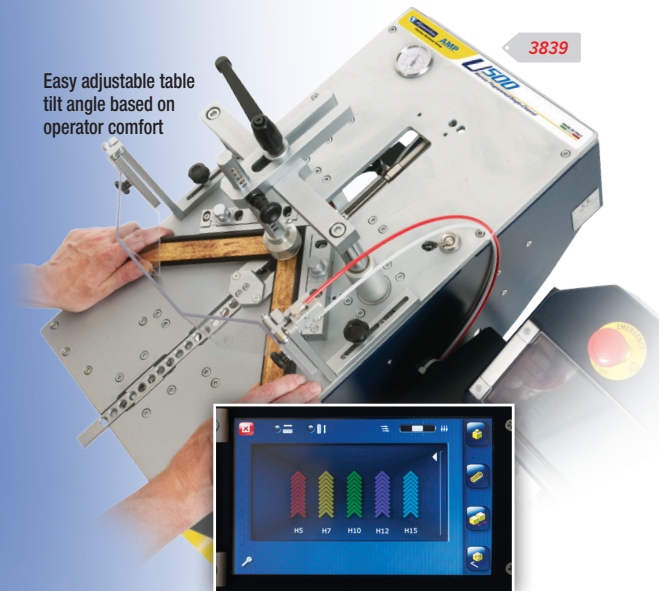
Machine Dimensions & Weight

Length: 680mm (27")
Width: 800mm (31 1/2")
Height: 1310mm (51 1/2")
Weight: 140kg (309lbs)

Power Requirements

115/220 Volt 50/60 Hz.
Compressed Air 4NI at 5 Bar

Easy adjustable table tilt angle based on operator comfort



Touch Screen P.C. Memory Programming - stores up to 5,000 frame profiles

Fletcher Business Group

Part No Information

3839 #178610004CE

U-500 Underpinner
Memory Programmed Single-Channel
(was M4 Memory Program)

U-500 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) Double Metal Pressure Plate
- (2) Blue Rubber Pads (SW)
- (2) Yellow Rubber Pads (MW)
- (2) Black Rubber Pads (HW)
- (1) CAPS Operating Software
- (1) 3 Stage Air Pressure Filter Regulator
- (1) Adjustable Fence (3 knobs)
- (1) Front Horizontal Clamp
- (1) 4mm Hex key
- (1) 5mm Hex key
- (1) 6mm Hex key
- (1) 8mm Hex key
- (1) Touch screen PC Panel
- (4) Machine base levellers
- (1) Floor Stand
- (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
- 242230320** Double 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
- 805500002** Barcode Scanner
- 298390380** Single Vertical Positive Placement Clamp
- 243140020** Fixed Fence 90° Raise H10
- 9507** 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

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V.1 Updated March 2017

Form# AL-00-504