



## U-600 Frame Joining Capabilities (was MP Multi-Channel)

### Moulding Width

6mm min - 105mm max  
(¼" up to 4 ¼")

### Moulding Height

6m min - 80mm max  
(¼" up to 3 ¼")

### Max Distance Between V-Nails

145 mm (5 ¾")

### Pre-set V-Nail Position Stops

Multiple

### PTU V-Nail Sizes

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

### Configurable V-Nail

**Channel Capacity**  
Adaptable to single size  
or multiple V-Nail mm sizes  
5 individual channels –  
220 V-Nails/channel

MADE IN ITALY



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## U-600 Memory Programmed Multi-Channel Underpinner

The **U-600** is the most advanced frame joining machine in the picture framing and woodworking industries. It balances sophistication, performance and operating flexibility for joining picture frames, door and window frame assemblies.

This machine is ideal for medium type production facilities requiring flexibility for different sized V-Nails or a common mm size through a patented\*, configurable, channel feature.

With profile data storage of 5,000 different frames, the operator can easily recall any frame profile either alphabetically, numerically through keypad or scanned using the barcode reading option.

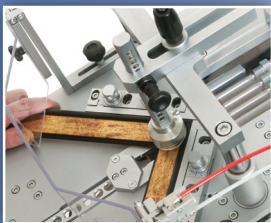
The Alfamacchine **U-600** Computerized Air Pressure System (C.A.P.S.), is the latest operating feature for frame joining, eliminating the need to make manual air pressure adjustments for the Vertical Clamping Mechanism. The software includes the functionality of applying a damped vertical clamping motion reducing moulding damage with soft materials or delicate finishes.

\* Product protected by EP Patent No. 1125699 (ES, FR, PT, TR, UK); IT Patent No. 1321011

5 CHANNEL STORAGE • SPRING-LOADED HORIZONTAL CLAMP • COMPUTERIZED • STORES MULTIPLE SIZES • TABLE TILT ADJUSTABLE • PC TOUCH-SCREEN

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-Nails Size	V-Nail Size Capacity
	6-105 mm (¼" up to 4 ¼")	6-80 mm (¼" up to 3 ¼")	145 mm (5 ¾")	Multiple	5, 7, 10, 12, 15 (SW-HW-HDF)	5 individual channels 220 V-Nails/Channel

### 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-600 Unique Performance Features

- Equipped with five individual V-Nail storing channels capable of holding up to 220 V-Nails each
- V-Channels can store multiple sizes or one common size for production uptime and productivity
- User friendly touch-screen P.C. operation with data storage for 5,000 frame profiles
- Bar Code Scanner option for production integration and efficiency
- Join either from front or back of machine
- Machine handles all types of wood, plastics and MDF materials
- Easy table tilt adjustment for operator comfort
- CE Compliant

#### Machine Dimensions & Weight

Length: 730mm (29")  
Width: 800mm (31 1/2")  
Height: 1310mm (52")  
Weight: 150kg (330 lbs)

#### Power Requirements

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



#### Easy Tilt Adjustment



#### Changeable V-Channel Inserts



#### Touch Screen P.C. Memory Programming

### Part No Information

**5827 #178610006CE**

U-600 Underpinner  
Memory Programmed/Multi-Channel  
(was MP Multi-Channel)

#### U-600 Underpinner includes:

- "Multi-Sized" Nail Head
- Single Vertical Positive Placement Clamp
- Single Metal Pressure Plate
- Double Metal Pressure Plate
- Blue Rubber Pads (SW)
- Yellow Rubber Pads (MW)
- Black Rubber Pads (HW)
- CAPS Operating Software
- Adjustable Fence (3 Knobs)
- Front Horizontal Clamp
- Each of 4, 5, 6 & 8mm Hex keys
- Torx Wrench (to change 12mm configurable shim)
- 2.5 Hex key (to change 5, 7, 10 & 15mm configurable shims)
- Touch Screen PC Panel
- Three Stage Air Pressure Filter Regulator
- Machine Base Levelers
- Floor Stand
- 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
- 394950570** Multi-Sized Nail Head
- 805500002** Barcode Scanner
- 398350200** Configurable Shim - 5mm
- 398350210** Configurable Shim - 7mm
- 398350220** Configurable Shim - 10mm
- 398350230** Configurable Shim - 12mm
- 298390380** Single Vertical Positive Placement Clamp
- 9507** Double Hydraulic Clamping Mechanism
- 243140020** Fixed Fence 90° Raise H10

Check prices at: [www.lionpic.co.uk](http://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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