

AMP

**U-600 Frame
Joining Capabilities**
(Formerly Model VN4MC)

**Moulding Width
(min to max)**
1/4" up to 4 1/4"
(6-105 mm)

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

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

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

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



**U-600 Memory Programmed/Multi Channel
Underpinner Framing Machine**

Our 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-Nail fasteners 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.

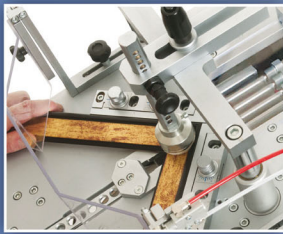
AMP's U-600 Computerized Air Pressure System (C.A.P.S.), is the latest operating feature for frame joining, eliminating the need to making manual air pressure adjustments for the Vertical Clamping Mechanism. The software includes the functionality of applying a soft vertical clamping motion reducing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



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) ¼" up to 4 ¼" (6-105 mm)	Moulding Height (min to max) ¼" up to 3 ¼" (6-80 mm)	Max Distance Between V-Nails (stroke) 5 ¾" (145 mm)	Pre-set V-Nail Position Stops Multiple	V-Nails Size 3, 5, 7, 10, 12, 15 (SW-HW-HDF)	V-Nail Size Capacity 5 individual channels 220 V-Nails/Channel
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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-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
- Equipped with Double Hydraulic Pressure Clamp
- 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: 29" (730mm)
Width: 31 1/2" (800mm)
Height: 52" (1310mm)
Weight: 330 lbs (150kg)

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

Part # 04-005

U-600 Underpinner
Memory Programmed/Multi-Channel
(Formerly Model VN4MC)

U-600 Purchase Package

- "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 Allen Wrenches
- Torx Wrench (to change 12mm configurable shim)
- 2.5 Allen Wrench (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
- Fence Template 4-6-8 Side

Accessories & Replacement Items

- 04-032 Extension Wings Kit
- 04-167 Magnetic Base for Clamp Assembly
- 04-020 Single Metal Pressure Plate
- 04-022 Double Metal Pressure Plate
- 04-023 Magnetic – Single 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)
- 04-069 Multi-Sized Nail Head
- 04-072 Barcode Scanner
- 41-870 Configurable Shim – 5mm
- 41-871 Configurable Shim – 7mm
- 41-872 Configurable Shim – 10mm
- 41-873 Configurable Shim – 12mm
- 41-221 Single Vertical Positive Placement Clamp
- 41-151 Double Hydraulic Clamping Mechanism

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.

