

• PNEUMATICALLY OPERATED • SOFT CLAMPING • ENHANCED CORNER TIGHTENING • JOIN 45° AND 90° ANGLES

AMP™

U-500 PLUS Frame Joining Capabilities

Moulding Width

(min to max)
1/4" to 5 1/2"
(6 to 140mm)

Moulding Height

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

Max Distance Between V-Nails (Stroke)

5 3/4"
(145mm)

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



Corner tightening device supports strong miters

AMP™ U-500 PLUS Single Channel Underpinner

The AMP™ U-500 PLUS underpinner is built for high-volume production environments that primarily run a single-size V-Nail for fast, repeatable frame joining. Its user-friendly touch-screen operation stores over 5,000 frame profiles and supports optional barcode scanning to streamline workflow and improve efficiency.

The U-500 PLUS joins 45° and 90° assemblies, offers front- or back-side joining, and features a three-knob adjustment fence to help compensate for moulding cuts; an optional vertical double hydraulic pressure clamp is available for superior clamping.

The U-500 PLUS handles frame-joining requirements commonly found in picture framing, woodworking (door trim), canvas stretcher bars, modular homes, and mirror frame joining, and works with wood, plastics, and MDF.



Learn more

Clamping Pad System



Clamp holds moulding firm



Enables a quick change to a different clamping pad depending on joining applications



Three different pads are available based on moulding hardness

U-500 PLUS Unique Performance Features

- Speed and repeatability for production requirements
- User friendly touch-screen operation with data storage for over 5,000 frame profiles
- Integrates bar code scanner option for production efficiency
- Optional vertical double hydraulic pressure clamp for superior clamping
- Features a three-knob adjustment fence for compensating moulding cuts
- Join from front or back of machine
- Handles all types of wood, plastics and MDF materials
- CE Compliant

U-500 PLUS Technical Data

Machine Dimensions & Weight

Length: 27" (680mm)
 Width: 35 1/2" (880mm)
 Height: 56" (1400mm)
 Weight: 254 lbs (115kg)

Power Requirements

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



Adjustable tilt angle for operator comfort

Part No Information

Part # 04-011

U-500 PLUS Memory Programmed/
 Single Channel Underpinner

U-500 PLUS Purchase Package

- (1) 5mm Nail Head bullet
- (1) 7mm Nail Head
- (1) 10mm Nail Head
- (1) Single Vertical Positive Placement Clamp
- (1) Single Metal Pressure Plate
- (1) Red Rubber Pad
- (1) Yellow Rubber Pad
- (1) White Rubber Pad
- (1) 3 Stage Air Pressure Filter Regulator
- (1) Adjustable Fence (3 knobs)
- (1) Front Horizontal Clamp
- (1) 5mm Allen Wrench
- (1) Touch Screen Panel
- (4) Machine Base Levelers
- (1) Floor Stand
- (1) Machine Manual and Warranty Card
- (1) Fence Template 4-6-8 Side

Accessories & Replacement Items

- Extension Wings Kit
- Magnetic Base for Clamp Assembly
- Single Metal Pressure Plate
- Double Metal Pressure Plate
- Magnetic – Single Metal Pressure Plate
- Red Rubber Pad
- Yellow Rubber Pad
- White Rubber Pad
- Double Hydraulic Clamping Mechanism

AMP™ Power Twist® V-Nails improve the miter joint quality for framed art and woodworking assemblies. Available for use with all types of wood, plastics, and MDF framing materials in 3, 5, 7, 10, 12, and 15 mm sizes.

