



# Professional Framing Equipment Guide



## LION Product Guide

We've put together this handy guide to help you find your way around our website and social media channels. It'll point you to our library of 'how to' videos, introduce you to some products you might not have come across before, and hopefully give you a few new ideas.

View online or order your copy at [lionpic.co.uk](http://lionpic.co.uk)

2024

# Thinking of ordering new framing equipment?

At LION we offer:

- Over 40 years experience of supplying professional framing equipment from leading manufacturers
- A team of factory trained technicians with real-life framing experience offering advice, installation and ongoing support
- Excellent stock levels including spare parts
- Expertise on everything from new start-ups to high volume production
- Easy payment options

We can help with easy payment options...

**1** **At the time of ordering**  
Pay in full when you confirm your order to reserve your equipment.

**2** **30 Day Credit Account**  
Pay as per the terms of your LION Credit Account. Subject to completion of our Credit Account Application form and approval from our Credit Insurer. To download an application form go to [bit.ly/lion-credit](https://bit.ly/lion-credit)

**3** **Instalments**  
Pay in three equal instalments at 30, 60 and 90 days from invoice. Subject to completion of our Credit Account Application form and approval from our Credit Insurer.

**4** **Lease Finance**  
Spread the cost over a longer period and take advantage of tax relief on lease payments. Choose your own lender or try Kennet Equipment Leasing, a broker we work with regularly: [kennet-leasing.co.uk/customer-leasing](https://kennet-leasing.co.uk/customer-leasing)

Contact us by phone, email or text to:

- Discuss your requirements
- Get a competitive quote
- Arrange a visit to our extensive showroom



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# Point Drivers from LION



## LION Manual Rigid Point Driver

Permanently secure frame backs in place with Rigid Points

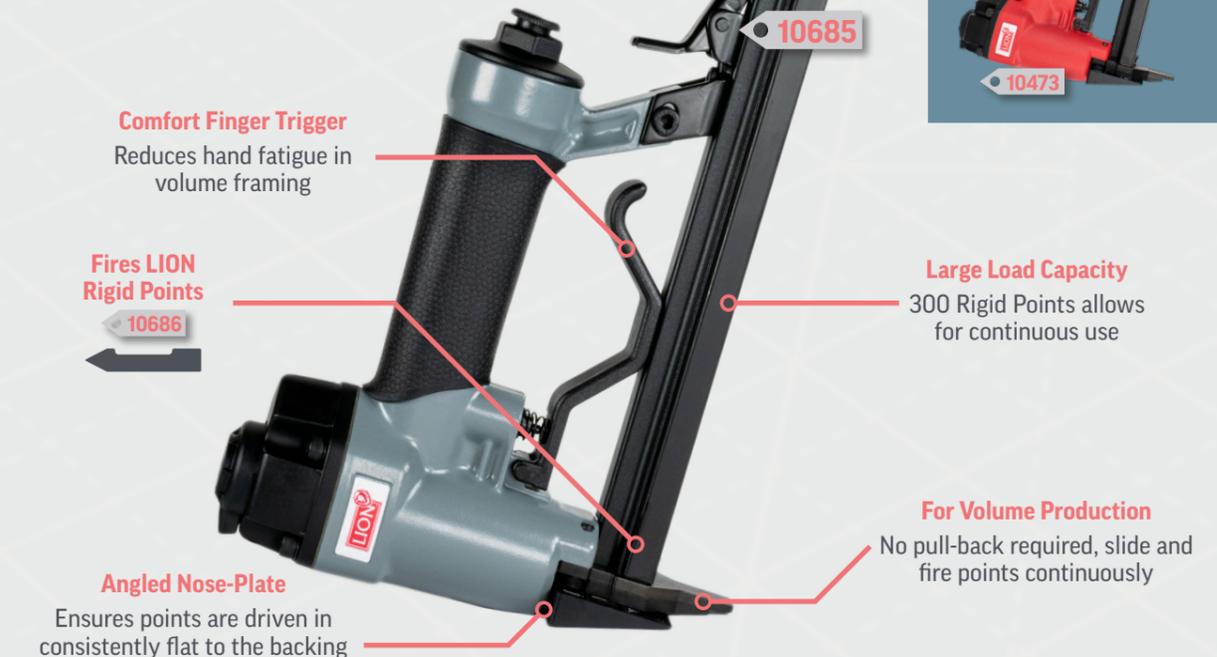


Flexipoint versions also available



## LION Air Rigid Point Driver

Permanently secure frame backs in place with Rigid Points for volume production



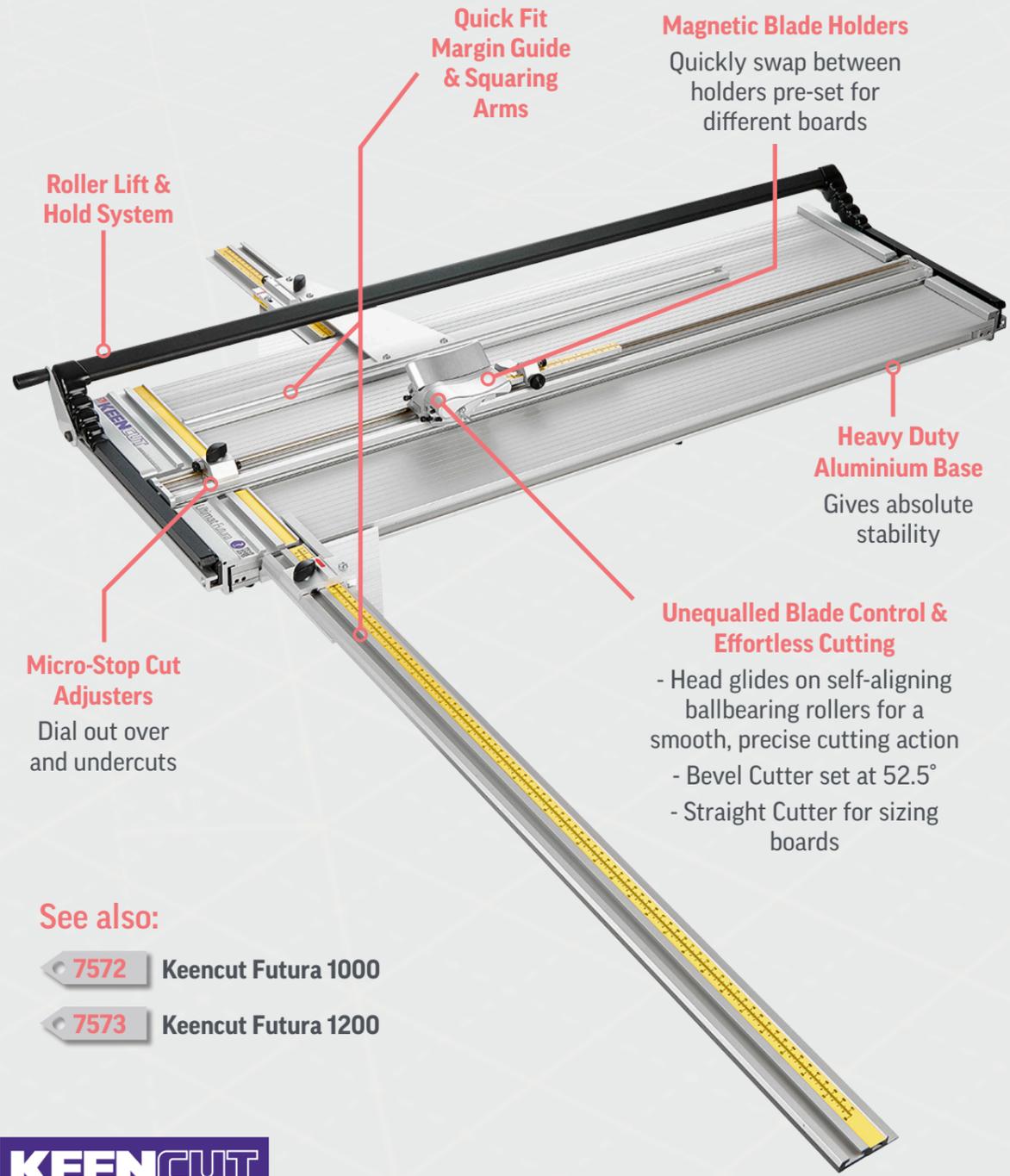
To order visit [lionpic.co.uk](https://lionpic.co.uk)

# Keencut Ultimat Futura 1500 Mountcutter

7574



Takes manual mountcutting to a new level of ultra-high accuracy



**Quick Fit Margin Guide & Squaring Arms**

**Magnetic Blade Holders**  
Quickly swap between holders pre-set for different boards

**Roller Lift & Hold System**

**Heavy Duty Aluminium Base**  
Gives absolute stability

**Micro-Stop Cut Adjusters**  
Dial out over and undercuts

**Unequalled Blade Control & Effortless Cutting**  
- Head glides on self-aligning ballbearing rollers for a smooth, precise cutting action  
- Bevel Cutter set at 52.5°  
- Straight Cutter for sizing boards

- See also:**
- 7572 Keencut Futura 1000
  - 7573 Keencut Futura 1200

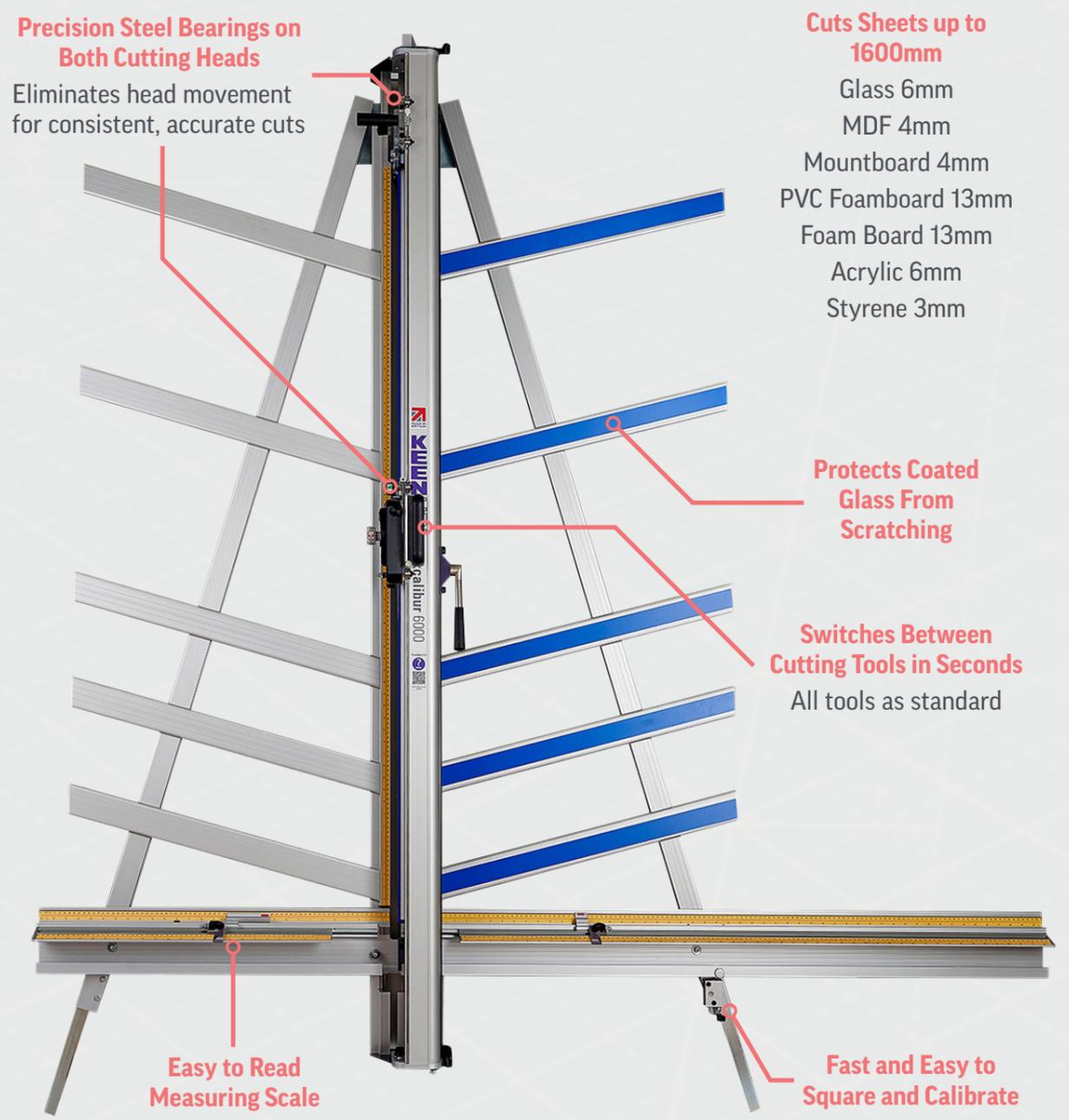


# Keencut Excalibur 6000 Vertical Cutter

10688



Perfect precision cutting for all framing sheet materials



**Precision Steel Bearings on Both Cutting Heads**  
Eliminates head movement for consistent, accurate cuts

- Cuts Sheets up to 1600mm**
- Glass 6mm
  - MDF 4mm
  - Mountboard 4mm
  - PVC Foamboard 13mm
  - Foam Board 13mm
  - Acrylic 6mm
  - Styrene 3mm

**Protects Coated Glass From Scratching**

**Switches Between Cutting Tools in Seconds**  
All tools as standard

**Easy to Read Measuring Scale**

**Fast and Easy to Square and Calibrate**

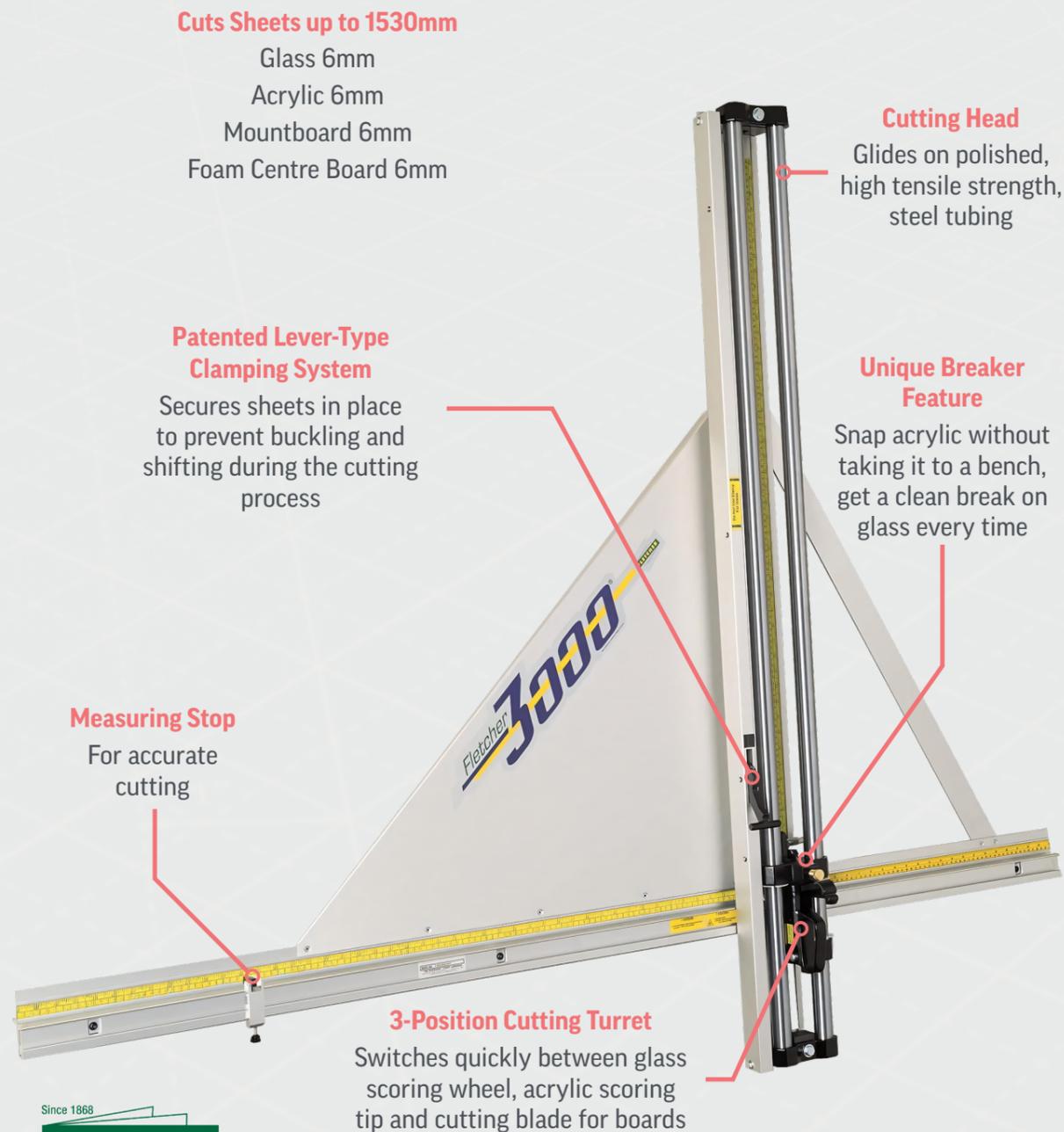


# Fletcher Terry 3000 Sheet Material Cutter

10712



With 3-Position Cutting Turret



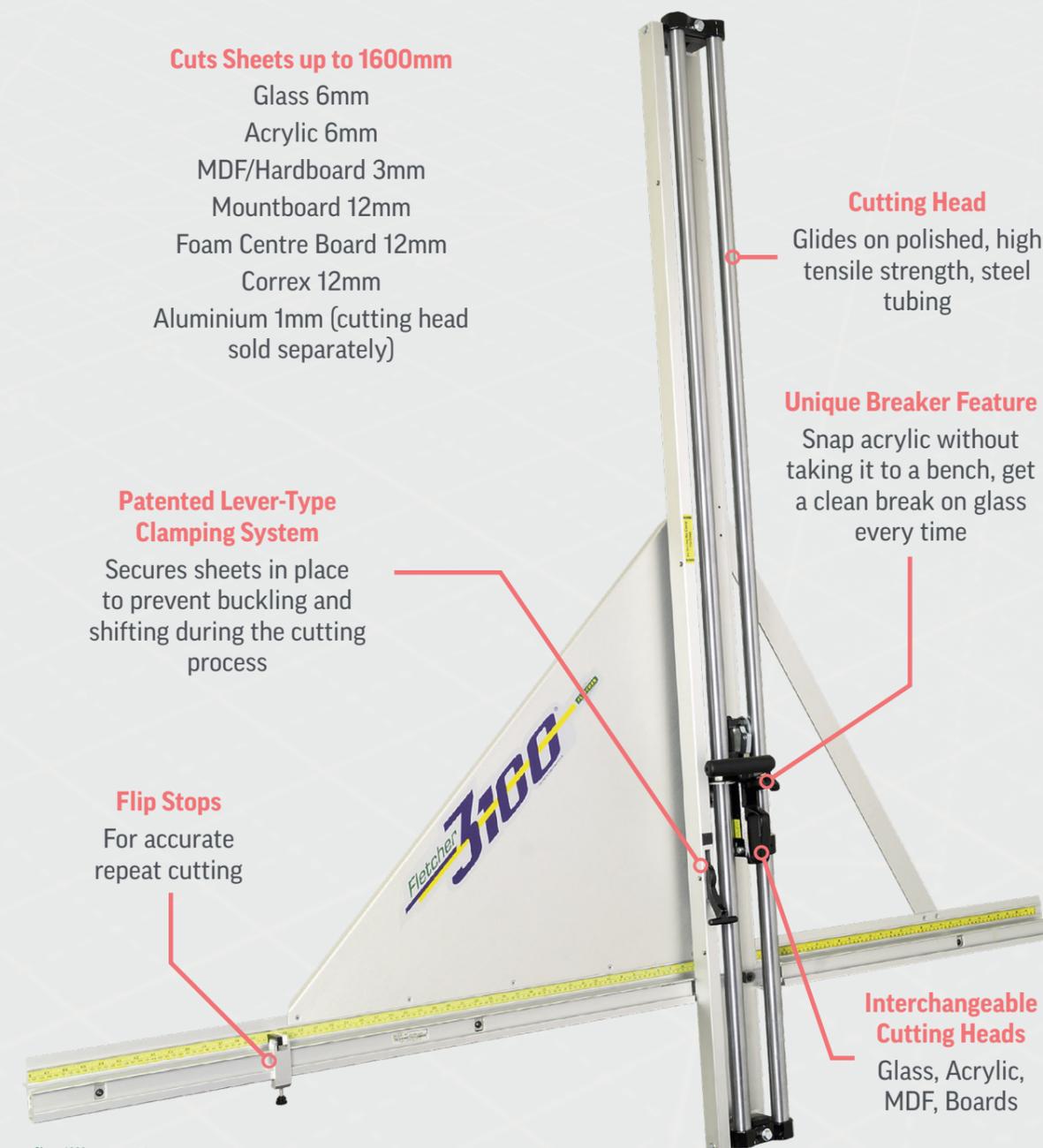
Since 1868  
**FLETCHER**  
Material Cutting & Finishing

# Fletcher Terry 3100 Sheet Material Cutter

2903



With unique breaker feature

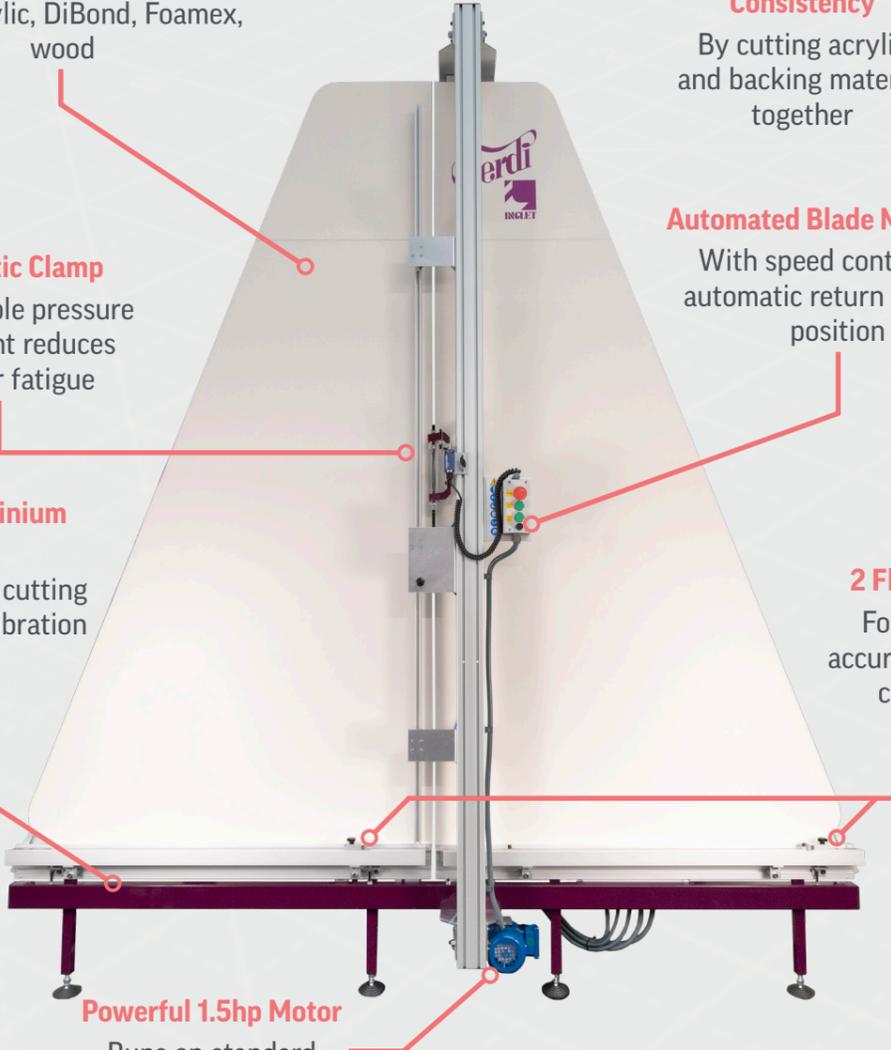


Since 1868  
**FLETCHER**  
Material Cutting & Finishing

# Verdi Basic Vertical Saw 2100mm with Pneumatic Clamp



Be more productive with fast, accurate sheet material cutting **10575**



**Cuts Single or Multiple Sheet Materials up to 22mm Thick**  
MDF, acrylic, DiBond, Foamex, wood

**Increase Speed and Consistency**  
By cutting acrylic and backing material together

**Automated Blade Movement**  
With speed control and automatic return to upper position

**2 Flip Stops**  
For quick, accurate repeat cutting

**Pneumatic Clamp**  
With variable pressure adjustment reduces operator fatigue

**Solid Aluminium Base**  
For accurate cutting and easy calibration

**Powerful 1.5hp Motor**  
Runs on standard 240v supply

**See also:**  
**9798** Verdi Twin Vertical Saw 2100mm with a Pneumatic cutter for mountboard, fluted board, foamboard and glass



# Hyundai Oil Free Air Compressors **10587**



Powerful, low noise, oil free compressors for pneumatic framing equipment



**Low Noise**  
For a comfortable working environment

**750W Hyundai Motors**  
With UK 3-pin 13amp plug

**Pressure Regulator**  
With twin gauges and twin release

**Oil Free**  
Maintenance free and no oil contamination

**Available in 3 Tank Sizes**  
25L, 50L & 100L

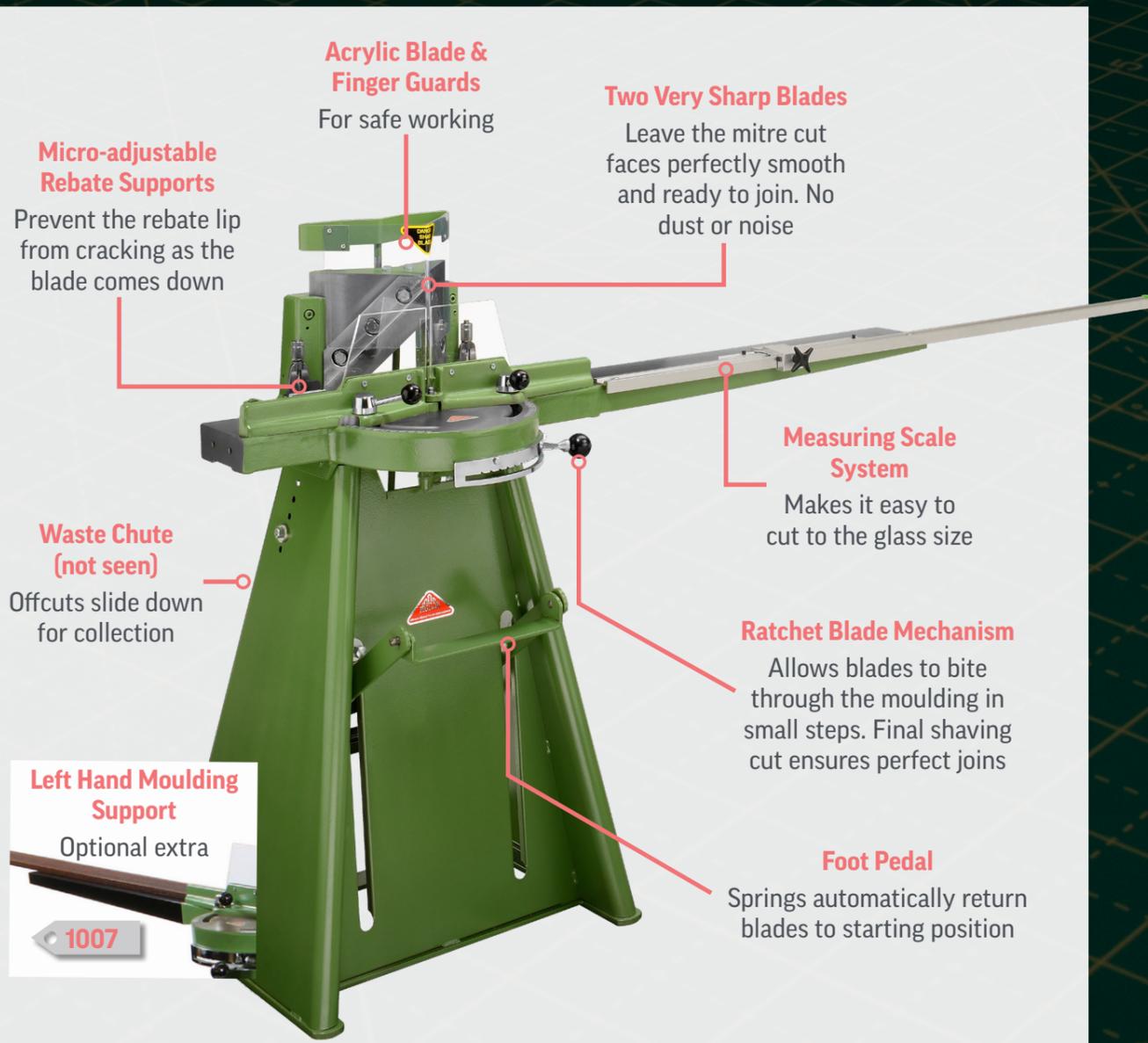
**2 Year Warranty**  
Fantastic reliability from one of the world's best-known manufacturers



# Morso F Mitre Guillotine

1011

Perfectly smooth and accurate mitre cuts with no dust



**Micro-adjustable Rebate Supports**

Prevent the rebate lip from cracking as the blade comes down

**Acrylic Blade & Finger Guards**

For safe working

**Two Very Sharp Blades**

Leave the mitre cut faces perfectly smooth and ready to join. No dust or noise

**Measuring Scale System**

Makes it easy to cut to the glass size

**Ratchet Blade Mechanism**

Allows blades to bite through the moulding in small steps. Final shaving cut ensures perfect joins

**Foot Pedal**

Springs automatically return blades to starting position

**Waste Chute (not seen)**

Offcuts slide down for collection

**Left Hand Moulding Support**

Optional extra

1007

See also:

1406 Morso F Deluxe with engraved scale

9051 Morso F+10 - taller with automatic rebate supports



# Morso EH Electro Hydraulic Mitre Guillotine

3415

Quiet, dust free, compact, powered mitre cutting



**Two Very Sharp Blades**

Leave the mitre cut faces perfectly smooth and ready to join. No dust or noise

**Automatic Head Advancement**

Reduces fatigue compared to Morso F

**Acrylic Blade & Finger Guards**

For safe working

**Powerful Hydraulic Automatic Cutting Cycle**

Faster, more consistent, less fatigue vs Morso F

**Hydraulically Operated Moulding Clamps & Rebate Supports**

Keep the moulding firmly in place during the cutting cycle

**Measuring Scale System**

Includes Second Stop for easy repeat cutting

**Waste Chute (not seen)**

Offcuts slide down for collection

**Compact**

Small footprint vs a mitre saw

**Very Quiet Operation**

Around 70db

**Electro-Hydraulic Power System**

Requires no air supply and operates on a standard 230v power supply



# Alfamacchine T400 Double Mitre Saw inc Horizontal Clamps



Cuts up to 200 frames per hour with exceptional precision **4544D**

### Adjustable Cutting Speed & Height

Cut all types of wood accurately and maximise output

### Twin Vertical Blades Fixed at 45°

Engineered for accurate, consistent cutting at speed



### Vertical Clamps

Hold moulding secure through the cutting cycle

Cuts mouldings up to 80mm tall and 100mm wide

### Horizontal Clamps

Give additional support for deep, narrow profiles

See also:

**4544C** T400 Excluding Clamps



# Alfamacchine AG-2000 Auto Gauge



Integrates with the T400 saw to automatically set moulding cut sizes **9762**

For high production picture framing, canvas stretching and joinery

### Touch Screen

- For easy programming
- Optional barcode reader
- Express option for pre-set frame sizes
- Create and store up to 5000 programmes for quick recall

### Width Measurement Device

Automatically calculates internal frame dimensions

### Easy to Use and Efficient

Reduces operator errors

### Electronic Positioning Stop

Automatically moves between positions for long and short sides



# Alfamacchine U200 Foot Operated Underpinner

Foot operated underpinner for quality bespoke framing **7009**



# Alfamacchine U200P Underpinner **10632**

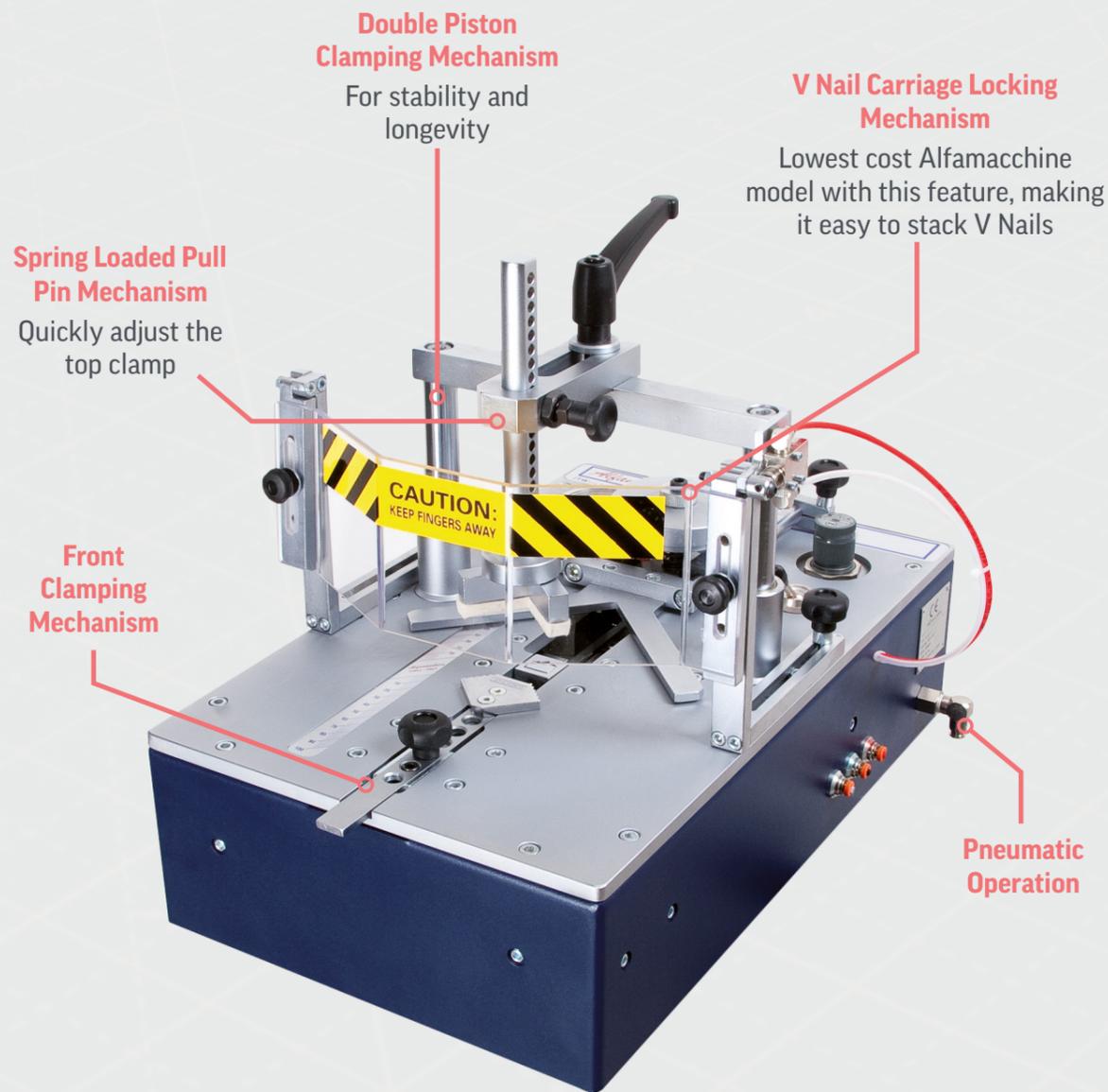
Compact underpinner offering the power of pneumatic operation



# Alfamacchine U300 Semi Auto Underpinner

7010

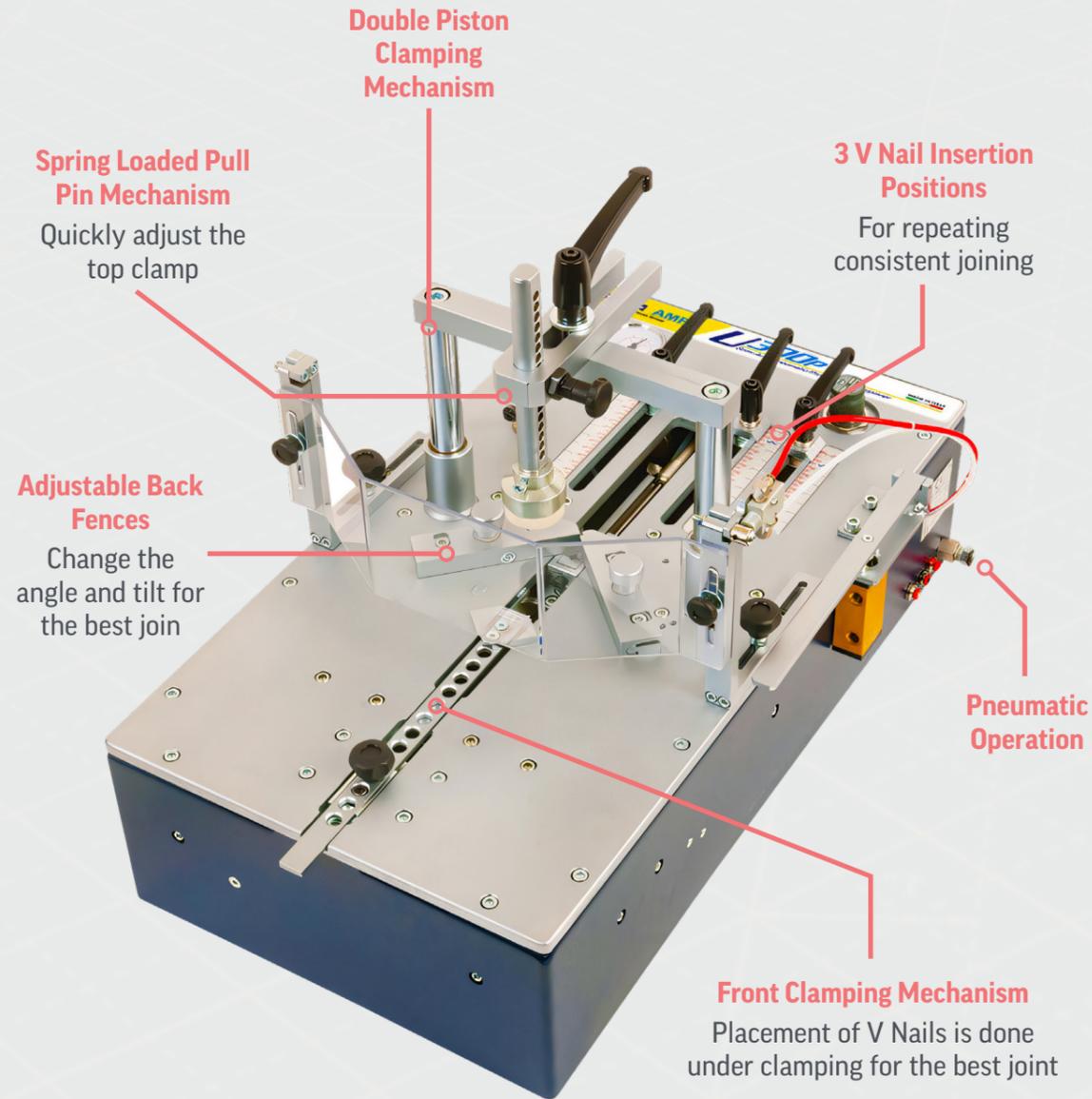
Designed for easy stacking of V Nails in taller mouldings



# Alfamacchine U300P Semi Auto Production Underpinner

5084

Excellent all rounder for fast, high quality frame joining



# Alfamacchine U400S Semi Auto Underpinner

9476



Perfect for joining awkward moulding profiles

### Unique Clamping Mechanism

Front clamp fixes the moulding while the top clamp and V Nail carriage move together - moulding is always clamped directly above insertion point

### V Nail Insertion Handle

Move to adjust position of V Nail, push button to insert

### Adjustable Back Fences

Change the angle and tilt for the best join

### Two Stage Clamping With Foot Pedal

- 1 - Front clamp brings corner together and holds moulding in place throughout the process
- 2 - Brings down L pad top clamp



### Ergonomic Working Position

V Nail insertion mechanism is pneumatically balanced to facilitate tilted angle



# Alfamacchine U400 Semi Auto Underpinner

7233



With interchangeable V Nail magazines - perfect if replacing a Cassese machine



### Interchangeable V Nail Magazines

Quickly change sizes without changing a block

### Unique Clamping Mechanism

Front clamp fixes the moulding while the top clamp and V Nail carriage move together - moulding is always clamped directly above insertion point

### Adjustable Back Fences

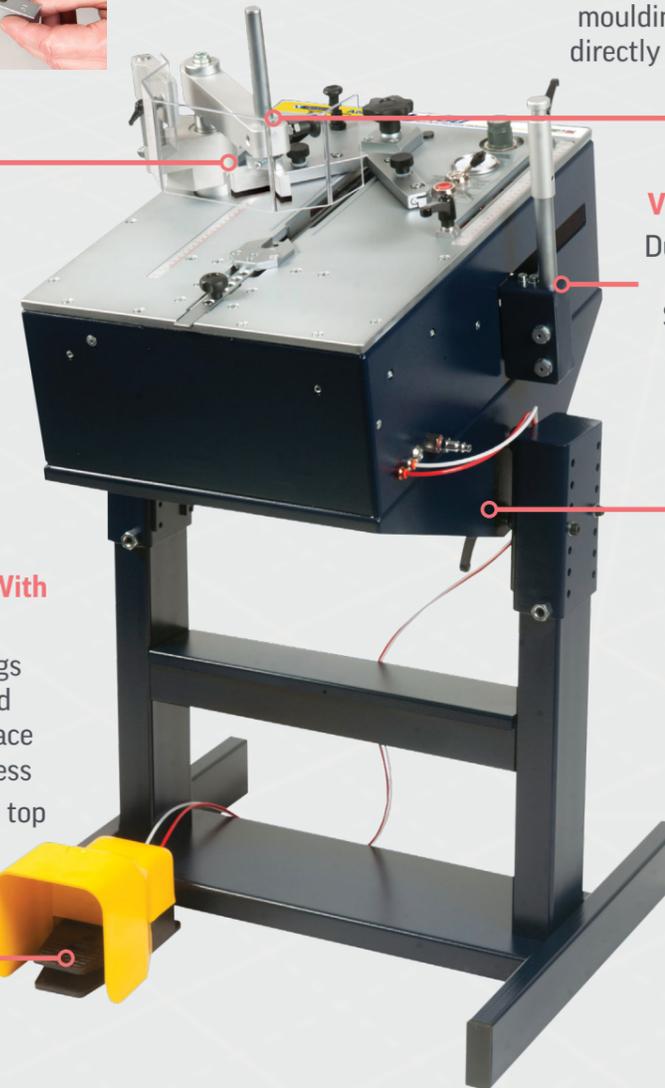
Change the angle and tilt for the best join

### V Nail Insertion Handle

Dual operation to clamp then insert V Nail. Swap for left handed operators

### Two Stage Clamping With Foot Pedal

- 1 - Front clamp brings corner together and holds moulding in place throughout the process
- 2 - Brings down L pad top clamp



### Ergonomic Working Position

V Nail insertion mechanism is pneumatically balanced to facilitate tilted angle



# Alfamacchine U600 Memory Programmable Multi-Channel

For high volume production framing **5827**



**Double Piston Top Clamping Mechanism**

**Adjustable Back Fences**  
Change the angle and tilt for the best join

**Multi Channel V Nail Magazine**  
Configure to hold any combination of V Nail sizes for uninterrupted production

**Touch Screen**  
With optional barcode scanner

**Upload Profile Data for up to 6000 Mouldings**  
- Size, quantity and position of V Nails  
- Cycle speed to suit hardness of moulding  
- Barcode associated with moulding

**Foot Pedal**  
Actuates top and front clamps with option to automatically fire V Nails

**See also:**  
**3839** U500 Single Channel holds one size of V Nail

**Alfamacchine®**

## Alfamacchine Underpinners from LION

	U200	U200P	U300	U300P	U400S	U400	U500	U600
<b>Operation</b>	Foot Operated	Pneumatic	Pneumatic	Semi-Automatic Pneumatic	Pneumatic	Pneumatic	Memory programmable	Memory programmable multi-channel
<b>Max Distance between V Nails</b>	180mm	180mm	80mm	125mm	120mm	200mm	145mm	145mm
<b>Front Clamping Mechanism</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>Stand</b>	Yes	Optional extra	Optional extra	Optional extra	Yes	Yes	Yes	Yes
<b>Key Features</b>	Foot operated underpinner for quality bespoke framing.	Reduces operator fatigue and produces consistent results.	V nail carriage locking mechanism for easy stacking of V Nails in taller mouldings - lowest cost model with this feature.	Excellent all rounder for fast, high quality frame joining.	Unique top clamping mechanism - moulding stays fixed while top L pad and V Nail carriage move together. Perfect for more awkward moulding profiles.	Unique top clamping mechanism - moulding stays fixed while top L pad and V Nail carriage move together. Perfect for more awkward moulding profiles. Interchangeable V Nail magazines - quickly and easily switch between V Nail sizes.	Upload profile data for up to 6000 mouldings - size/quantity/ position of V Nails, cycle speed to suit hardness of moulding, barcode associated with moulding.	Upload profile data for up to 6000 mouldings - size/quantity/ position of V Nails, cycle speed to suit hardness of moulding, barcode associated with moulding. Five channels to hold all V Nail sizes or uninterrupted operation.

**Common features**

Max moulding height 80mm	Insert Alfamacchine PowerTwist V Nails	Top L clamps have interchangeable polymer pads	Can be configured for front and back working	12 month warranty
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# Hoffmann Frame Joiner

10585



Perfect for joining hard bare woods like Oak, Ash, Black Walnut and Cherry. Routs a slot for a dovetail key, creating a tight join.

### Starter Pack of Dovetail Keys

Tap into place to pull the corner tightly together

### Tungsten Carbide Router Bit

Approx. life of 10,000 strokes



**Powerful 710 watt Milling Unit**  
Routs a slot for the dovetail key. No compressed air required

**Portable and Compact**  
Easy to store

**Centre & Butt Stops as Standard**  
For easy repetition



### See also:

- 9937 Hoffmann Frame Joiner Heavy Duty
- 9939 Hoffmann Frame Joiner Heavy Duty Pneumatic

**HOFFMANN**

# Alfamacchine CH200 Coil Fed Machine

5899



Fast & economic fixing of 2 hole hangers to frame backs up to 4mm thick

### Pneumatic Fixing Head

Requires a compressed air supply only

### Pneumatic Coil Feed

Easy to set up and adjust

### 2 Flip Up Stops

For accurate repeat fixing

### Foot Pedal

Presses hanger in place and advances coil to next hanger

**Fixes 2 Hole Press-Fix Hangers**

### See also:

- 5898 CH100 for Fixing 1 Hole Hangers

**Alfamacchine**

