



## T-400 Technical Specifications

**Maximum  
Moulding  
Width**  
Up to 100mm

**Maximum  
Moulding  
Height**  
Up to 80mm

**Minimum  
Moulding Cut Length  
(internal dimension)**  
75mm

**Production  
Capacity**  
Up to 800 Cuts/Hour

## Alfamacchine's Complete Frame Joining Solutions

**T-400 Double Mitre Saw  
for Cutting**

**U-Series Frame Joining  
Underpinner Machinery**

**PowerTwist®  
V-Nail Technology**



**MADE IN ITALY**



## T-400 Pneumatic Double Mitre Saw

Alfamacchine's T-400 Saw is designed to precisely cut 45° mitre joints for picture framing and woodworking applications such as windows, doors, and furniture components. The T-400 can handle all wood, plastic and MDF with moulding height up to 80mm moulding width up to 100mm.

The T-400 is a heavy duty saw built for medium to high production type environments. It's designed with a unique pneumatic system that controls the down-stroke movement of dual cutting blades resulting in precise cutting with a quick return process. Two saw blades are fixed at 45° angles and vertically move up and down. With each stroke, the two mitres are cut from the moulding with the least amount of moulding scrap. During the cutting process, the moulding is held firmly in place by four pneumatic clamps ensuring high quality cutting.

## Technical Specifications:

**Maximum Moulding Width**  
Up to 100mm

**Maximum Moulding Height**  
Up to 80mm

**Minimum Moulding Cut Length**  
75mm

**Production Capacity**  
Up to 800 Cuts/Hour



View of the pneumatic system for controlling the up and down movement of cutting saw blades



T-400 contains four pneumatic hold down clamps for securing moulding



Inside cabinet view of pneumatic hold down clamps



### Auto Gauge System:

- Cut Measurement Stops
- Stops positioning
- Measuring system
- Measurement accuracy
- Programmable
- Set-up time
- Changing mould width
- Cut/frames counter

## T-400 Unique Performance Features

- Comfortable two-handed push button operation
- Fully adjustable mould clamping via push button/foot pedal operation
- Adjustable blade descent speed for soft or hard wood requirements
- Adjustable Cutting Speed
- Adjustable Blade Height
- Quick read-out feed measurement and scale support
- Dual measurement production stops
- Solid feed-in support table
- Directional off-cut chute for external waste collection
- Adaptable with an Auto Gauge production feature
- Cutting Speed: up to 800 Cuts/Hour
- Horizontal Clamp
- CE Compliant

### T-400 Electrical & Pneumatic Requirements

Dust Collection Scrap Chute - 2 Ports 80mm  
Power Requirements 3 Phases – 230/400 Volt – 50/60Hz - 3Kw  
Air Requirements 7 bar - 4 cfm - 8NI  
Oil filter pressure regulator

### Machine Dimensions & Weight

Weight: 500kg  
Dimensions: 1000mm x 1000mm x 1800mm

## Part No Information

**Part # 199200011CE**

T-400 Double Miter Saw

### Accessories & Replacement Items

- 757600018** Blade ø 400mm (30x3.50x400 Z=120)  
For Wood/ Soft Materials
- 241920010** Mist spray Cooling System for Aluminum Cutting
- 194000030** Automatic gauge width measurer device  
L=1.800mm
- 194000040** Automatic gauge width measurer device  
L=2.000mm
- 194000050** Automatic gauge width measurer device  
L=2.400mm
- 194000070** Automatic gauge width measurer device  
L=3.000mm
- 225120030** Pneumatic Horizontal Clamp
- 244850011** Fixed Stop
- 244860011** Flip-top Stop

## T-400 Technical Data

- Cutting Action: Pneumatic/Vertical
- Blade Size: 400mm
- Motors 2 x 2hp/2800rpm
- Vertical Clamping System: Pneumatic Foot Pedal – Manually Adjustable
- Out-feed Table: Left & Right 120mm
- Optional Out-feed Extension: 120mm
- Equipped with two measurement stops

## T-400 Safety Features

- Fully enclosed work unit with no external moving parts
- Emergency push button cut-off switch
- Front door guard micro cut-off switch
- Adjustable polycarbonate front guard depending on mould thickness
- Two-handed operation to actuate saw cutting process
- Motor brake system
- Fail-safe descending head



**Fletcher Business Group**

[www.fletcher-terry.com](http://www.fletcher-terry.com) +39 (0)543 78 33 01

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