



TA-350

Technical Specifications

STEP 1

Material Feeder
Vertical or horizontal

STEP 2

Material Gripper System
Moves moulding to saw station

STEP 3

Double Mitre Saw Cutting

STEP 4

Part Unloading after Cutting

STEP 5

Pneumatic Step by Step Conveyor Belt
Moves cut pieces to joining station

STEP 6

Frame Joining
Using U-500 or U-600

Alfamacchine Frame Technologies

TA-350 Automatic Mitre Saw

T-400 Double Mitre Saw

AG-2000 Auto Gauge

U-Series Underpinners

PowerTwist® PTM V-Nails
Technology

TA-350 Automatic Vertical Mitre Saw Cutting Process

Alfamacchine offers a complete Double Mitre Saw Cutting and Joining Process with up to six process stations including material handling, material gripper system for moving moulding to cutting station, double mitre cutting, movement of cut frame pieces.

Complete the process with frame joining with Alfamacchine U-500 and U-600 Underpinners.



MADE IN ITALY



Authorised
Alfamacchine Distributor



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Process Steps and Operation:

STEP 1
Material Feeder

STEP 2
Material Gripper System

STEP 3
Double Mitre Saw Cutting

STEP 4
Part Unloading after Cutting

STEP 5
Pneumatic Step by Step Conveyor Belt

STEP 6
Frame Joining



Vertical Material Feeder



Horizontal Material Feeder



Step by Step Pneumatic Conveyor Belt

TA-350 Automatic Vertical Mitre Saw Cutting Process Steps and Operation

Step 1 - Material Feeder

Vertical and Horizontal available

Vertical Feeder

- Designed with three support material arms
- Vertical feeder loading capacity - 15 to 40 mouldings depending on moulding thickness
- Maximum length of moulding 3000mm
- Minimum length of moulding 1200mm

Horizontal Feeder

- Material feeder with 3000mm moulding transfer arm
- 1000mm feeder extensions are available up to 6000mm

Step 2 - Material Gripper System

Grabs moulding to continually feed material to Saw Station

Step 3 - Double Mitre Saw Cutting

- Maximum moulding width - 80mm
- Maximum moulding height - 70mm
- Motors - 2 x 1,5 kW
- Saw blades - 2 x Ø 350mm

Step 4 - Part Unloading Belt

Belt allows the removal of Cut Pieces (optional)

- Equipped with "Part Present" photocell
- Kicks cut pieces to pneumatic conveyor belt for Step 5 of the process

Step 5 - Pneumatic Step by Step Conveyor Belt (optional)

- Step-by-step movement of cut pieces
- Moves pieces to frame joining area
- 600mm wide x 2000mm long

Step 6 - Framing Joining (optional) with Alfamacchine U-500 and U-600 machinery

- Single or multi-channel V-nail underpinners
- High volume product joining
- Database frame profile integration
- Auto-placement software feature
- Superior clamping system - single or double clamp

TA-350 Auto-Saw Factory Floor Layout

Shown with vertical material feeder, double-mitre saw station and optional kick-out conveyor

