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TA-3

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#### MATERIAL FEEDER

MATERIAL GRIPPER SYSTEM 
DOUBLE MITRE SAW CUTTING

FRAMING JOINING

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#### Alfamacchine

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

STEP 1

STEP 2

# 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.

STEP 3





Frame Joining Technology

#### MATERIAL FEEDER

**Process Steps** and Operation:

**STEP 2 Material Gripper System** 

MATERIAL GRIPPER SYSTEM

**Double Mitre** Saw Cutting

**STEP 4 Part Unloading** after Cutting

**STEP 5** Pneumatic Step by Step Conveyor Belt

DOUBLE MITRE SAW CUTTING

**STEP 6 Frame Joining** 



STEP 1

Material

Feeder

Step 1 - Material Feeder

Vertical and Hortizonal available

Vertical feeder loading capacity -

15 to 40 mouldings depending on

• Designed with three support material arms

Maximum length of moulding 3000mm

Minimum length of moulding 1200mm

Material feeder with 3000mm moulding

1000mm feeder extensions are available

**Vertical Feeder** 

moulding thickness

**Horizontal Feeder** 

transfer arm

up to 6000mm

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STEP 3



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

#### 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)

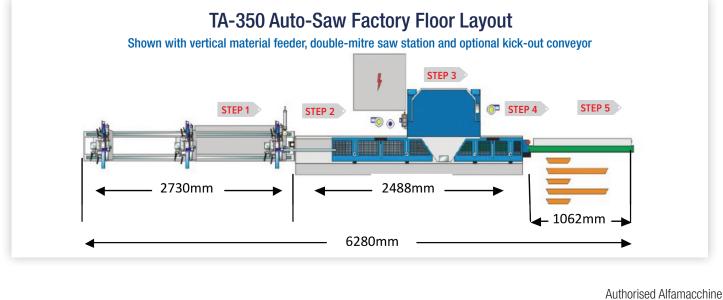
- · Equipped with "Part Present" photocell
- Kicks cut pieces to pneumatic conveyor belt for Step 5 of the process

#### Step 5 - Pnuematic 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



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### FRAMING JOINING