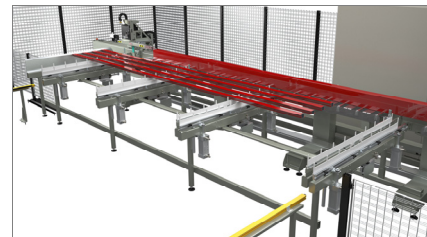


Bar positioning 01



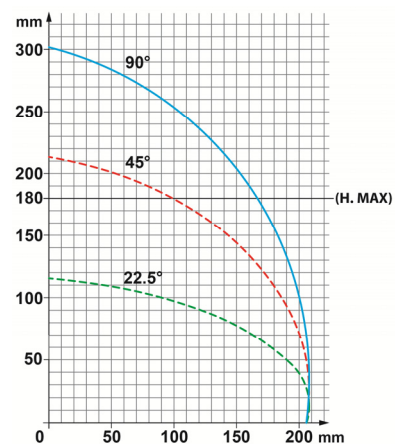
Loading magazine 02

## V-Cut System



CNC cutting-off centre with 3 controlled axes, designed for cutting profiles made of aluminium, PVC, light alloys in general. V-Cut loads the extruded profile, cuts it and then unloads the finished workpiece, in a completely automatic way, without operator supervision.

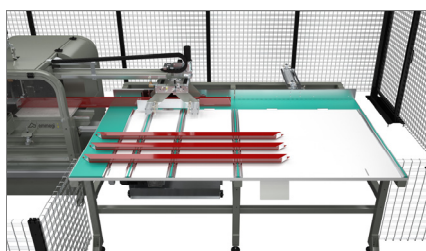
The powerful and versatile software allows managing predefined cutting lists, optimising them to minimise waste. The head allows cutting at  $\pm 22^{\circ}30'$  and intermediate angles.



Cutting module 03

Unloading magazine 04

Soundproofed cabin (optional) 05



The images are only given for illustrative purposes

# V-Cut

## System

### 01 Bar positioning

The extremely fast and accurate bar positioning system is complete with gripper for profile locking. Position adjustment can be manual or automatic by means of the CNC (optional).

### 02 Loading magazine

Automatic bar loading and positioning magazine with pilgrim step, capable of housing profiles with a maximum length of 7 metres and a minimum length of 3.0 metres. Loading capacity of 7 bars with 240 mm pitch. Maximum loadable weight 500 Kg.

### 03 Cutting module

Front single-head machine with hydro-pneumatic outfeed movement provided with a 550 mm blade featuring wide cutting range: from 22°30' to 157°30'. Setting of the cutting angles is managed in a completely automatic way by the CNC.

### 04 Unloading magazine

Large-capacity unloading and storage magazine for finished workpieces, available in two versions: for workpieces up to 4.0 meters in length or, alternatively, for workpieces up to 7.5 meters in length.

### 05 Soundproofed cabin (optional)

The cutting unit can be completely protected with an integral soundproofed cabin. This protection allows a significant noise reduction and the application of a fume suction system, which considerably improves the quality of the working environment.

#### AXES TRAVELS

U AXIS (bar positioning)	7,000 mm
X AXIS (Extractor unit)	1,200 mm
B AXIS (blade angle) (according to version)	45° ÷ 135° 22°30' ÷ 157°30'
V AXIS (gripper transversal positioning)	138 mm
W AXIS (gripper vertical positioning)	138 mm

#### POSITIONING SPEED

U AXIS	0 ÷ 80 m/min
X AXIS	0 ÷ 70 m/min

#### POSITIONING ACCURACY

U AXIS	0.15 mm
B AXIS	1/240°

#### AXIS ACCELERATION

U AXIS	3.3 m/s <sup>2</sup>
X AXIS	4 m/s <sup>2</sup>

#### WORK AREA

Maximum length of loadable bars	7,000 mm
Theoretical minimum cutting length	0 mm
Maximum length of automatically unloadable profile	2,500 mm

#### MOTOR

"Three-phase" blade motor power	3 kW
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#### FUNCTIONALITY

Workpiece cutting and separation directly from the bar	•
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#### PROFILE POSITIONING

Automatic positioning/unloading	•
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#### SAFETY DEVICES AND PROTECTIONS

Metal enclosure guard on three sides	•
Soundproofed cabin	○

#### COMMAND AND CONTROL UNIT

Electric cabinet with conditioning unit	•
Pneumatic panel	•
CNC-PC with Intel® processor	•
15" LCD-TFT graphic colour screen	•
Keyboard	•
4 Gb RAM memory	•
Minimum 20 Gb hard drive	•

#### CUTTING UNIT

Hydro-pneumatic blade feed	•
Widia blade Ø 550 mm	•

• included    ○ available

2021/01/01

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