

## Vegamatic

Cutting-off centre



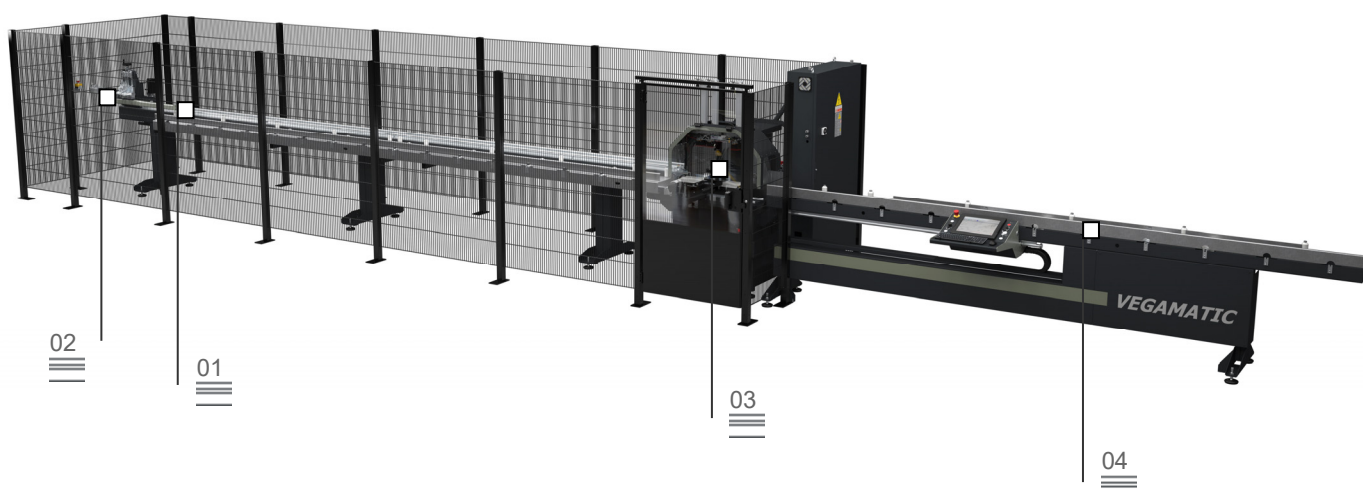
Bar feeder

01

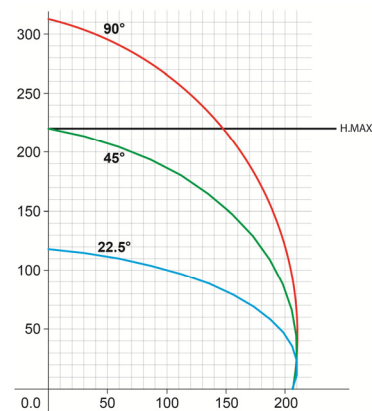


Automatic profile retraction

02



Semi-automatic CNC cutting-off centre with horizontal blade feed, 2 controlled axes, designed for cutting profiles made of aluminium, PVC, light alloys in general. It performs automatic cutting according to predefined and optimized cutting lists. Intended to perform cutting at an angle from  $45^\circ$  to  $135^\circ$  or from  $22^\circ 30'$  to  $157^\circ 30'$ , it is designed to carry out manual loading and unloading on the same side of the machine. It can be fitted with customised horizontal and vertical drilling units for specific automatic machining operations.



Control

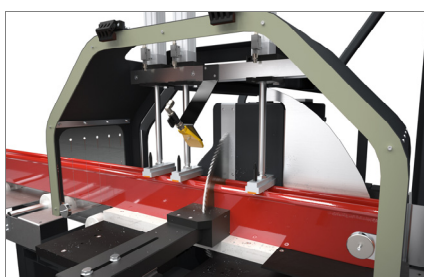
03

Cutting-off module

04

Loading/unloading roller conveyor

05



The images are only given for illustrative purposes

# Vegamatic

## Cutting-off centre

### 01

#### Bar feeder

The CNC numerical control system for bar positioning, which is extremely quick and accurate, is complete with a gripper to clamp the profile and has provision for manual adjustment. Motion is transmitted by means of a rack and a low-backlash reduction gear to maintain the high standards of precision guaranteed by the CNC. The feeder runs on recirculating ball sleeves along casehardened bars..

### 02

#### Automatic profile retraction

Vegamatic is provided with an automatic profile retraction device which allows the profiles to be retracted during movement in order to avoid risk of damaging or scoring them.

### 03

#### Control

The operator interface with colour LCD screen is equipped with network connection and USB ports. It also features a built-in control panel, keyboard and mouse. Possibility to install the label printer. The control is managed by the Windows operating system under which the Job and Blade software packages are installed: Job is designed for the job editor and optimizing cutting lists; Blade, installed alongside Job, controls the machine's operations and manages the machining processes

### 04

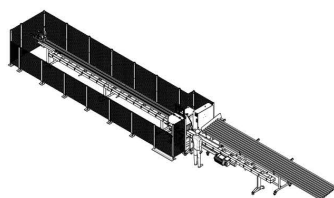
#### Cutting-off module

The cutting module consists of a single head cutting-off machine with hydro-pneumatic horizontal blade feed. It is provided with a 550 mm blade featuring wide cutting range: from 45° to 135° (from 22°30' to 157°30' optional). Setting of the cutting angles is fully automatic and is handled by the CNC.

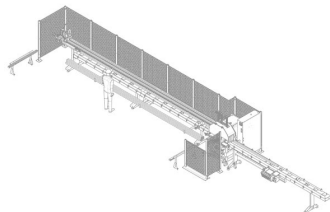
### 05

#### Loading/unloading roller conveyor

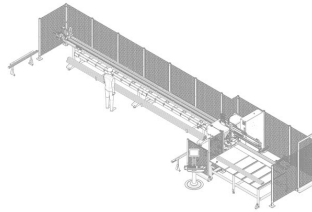
Vegamatic loads and unloads the profiles on the right roller conveyor, thus providing an extremely practical solution: the feeder retrieves the bar directly from the loading/unloading roller conveyor, overtaking the cutting-off module and moves it into position on the left roller conveyor. At this point it starts machining, placing the finished workpieces directly back onto the loading/unloading roller conveyor. The rollers are coated with PVC.



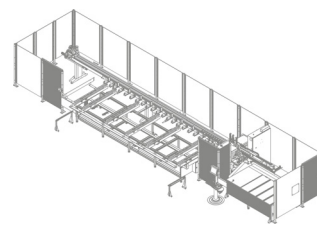
VEGAMATIC



VEGAMATIC PUSHER



VEGAMATIC PUSHER T



VEGAMATIC PUSHER TC

#### AXIS TRAVEL

U AXIS (feeder) (mm)	7.500
B AXIS (angle of blade)	45° ÷ 135° 22°30' ÷ 157°30'

#### MACHINING CAPACITY

Max. loadable profile length	7.200
Theoretical minimum cutting length (mm)	0

#### BLADE

Diameter	550
Hydro-pneumatic feed	•

#### CUTTING AREA GUARD

Full guard, pneumatically operated	•
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#### LUBRICATION SYSTEM

Spray-mist lubrication with oil emulsion	•
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#### CLAMPS

Vertical pneumatic clamps	3
Horizontal pneumatic clamps with pressure reducer plus pressure gauge	2
Clamp pressure reduction with pressure gauge	•

#### MOTOR

Power rating (kW), three phase blade drive motor	3
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#### PROVISION FOR SWARF EXHAUSTER

MG2-MG4	optional
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