

# V-Cut

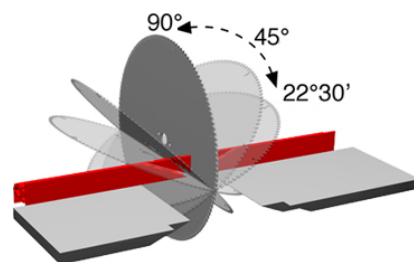
## Production system

Bar positioning 01

Loading magazine 02

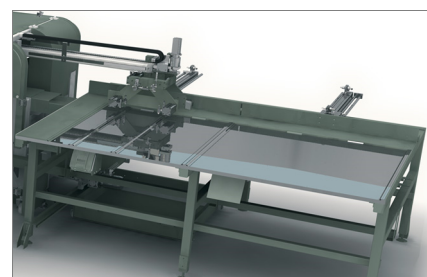
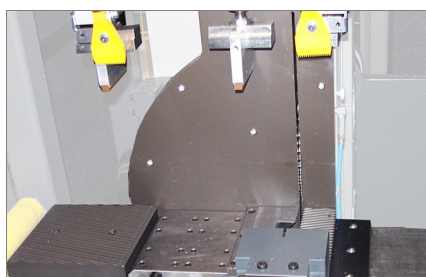
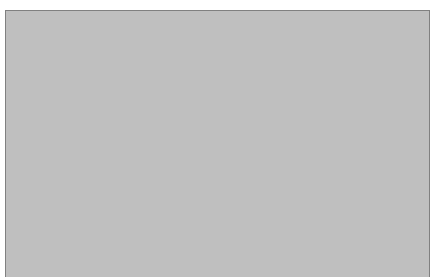


CNC cutting centre with 3 controlled axes, designed for cutting profiles made of aluminium, PVC, light alloys in general. V-Cut loads the extruded section and cuts it, then unloads the finished part all in fully automatic mode without need for operator attendance. The powerful and versatile software can handle predefined cutting lists, optimizing them to minimize wastage. The cutting head allows cutting at +/- 22°30' and intermediate angles.



Cutting module 03

Unloader/storage unit 04



The images are only given for illustrative purposes

# V-Cut

## Production system

### 01 Bar positioning

The high speed, precision bar positioning system is complete with gripper for clamping the profile (gripper position adjustment is manual ; optionally it can be with CNC).

### 02 Loading magazine

Loading magazine with automatic bar feeding (pilgrim step mechanism), able to accommodate profiles with max. length 7 metres and min. length 3.0 metres. Loading capacity and 7 bars with feed pitch 240 mm. Max. loadable weight 500 Kg.

### 03 Cutting-off module

Single head cutting-off machine with hydropneumatic horizontal blade feed, provided with a 550 mm blade featuring a wide cutting range: from 22°30' to 157°30'. Setting of the cutting angles is performed fully automatically by the CNC.

### 04 Unloader/storage unit

Unloader and storage unit for finished parts, with large capacity, available in two versions: for workpieces up to 4.0 metres in length or, alternatively, for workpieces up to 7.5 metres in length.

#### AXIS TRAVEL

U axis (bar positioning)	7000
--------------------------	------

#### POSITIONING SPEED

U axis (rpm)	80
--------------	----

#### FUNCTIONS

Cutting and separating the piece directly from the bar

#### PROFILE POSITIONING

Automatic positioning and unloading

#### SAFETY DEVICES AND GUARDS

Metal mesh enclosure guard on three sides

#### CONTROL UNIT

Electrical cabinet with air conditioner

Pneumatic control panel

CNC-PC with Intel® processor

15" LCL-TFT graphic colour monitor

Keyboard

RAM : 256 Mb

Hard disk, min. 20 Gb

3.5 " floppy disk drive, 144 Mb

Cd Rom

1

#### CUTTING UNIT

Hydro-pneumatic blade feed

Carbide-tipped blade dia. 550 mm