

FAB CUT 3BS – V2

Cutting and Machining Center

CNC controlled 12-axis cutting and machining center dedicated to manufacturers requiring **very high levels of productivity** (up to **250 windows/8h** at one window door*).

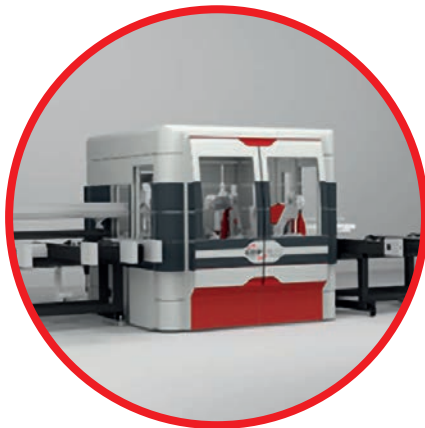
The system is composed of an automatic bar load magazine that feeds, through a CNC gripper, a machining module capable to host **11 spindles** High Speed in its standard configuration, **divided into 2 modules with independent movement** according to the x axis and **a cutting module with 3 independent and synchronized blades**.

* Depending on the types of profiles, weld bead and operator loading speed.

Introduction

Productivity and Precision

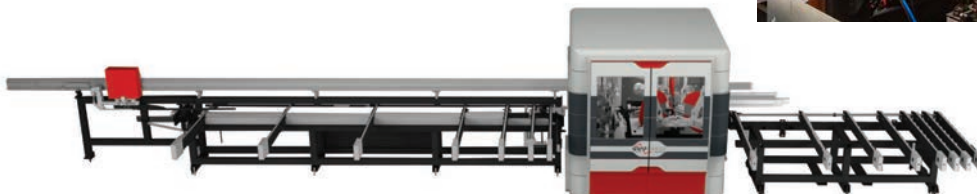
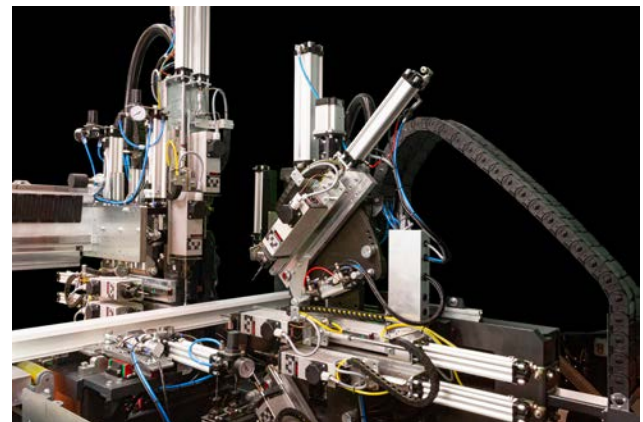
Maximum expression of mechanical and technological innovation, it allows to perform **machining and cutting of extremely high precision and speed**, while maintaining reliability and efficiency unchanged over time.



5 reasons to choose Fab Cut 3BS – V2

Advanced Solutions

1. **Very High Execution Speed:** 2 independent machinings modules with 11 High Speed spindles and a cutting module with 3 independent & synchronized blades.
2. **Very high adaptability** to profiles with sections of particular sizes.
3. **Optimize Production Lists:** fewer bars used thanks to Graf Synergy software.
4. **Maximum Precision Over Time:** Automatic Profile Alignment System (it linearizes the bar that is not perfectly straight) and CNC Profile gripper with reading of the real position by centesimal magnetic strip.
5. **User Friendly Technology:** intuitive system for simple management of work cycles.



Fab Cut 3BS – V2 is equipped with a modern **production list management software** that allows you to automatically import the cutting lists, allows the optimization of the number of bars to be used while keeping track of the machine's operation.

An **automatic profile alignment system** is installed on the system which, in the event that the bar is not perfectly straight, linearizes it allowing maximum precision in the optimal workpiece processing.

Specifications

Dimensions

Length	15.250 mm
Width	3.400 mm
Height	2.800 mm
Weight	4.500 Kg

Details

Installed Power	22 Kw
Power Supply	400 V
Air Consumption	180 NI/min
Operating Pressure	7 bar

Operating Features

Cutting Module

Structure

3 Blades Ø 550 with very high cutting precision over time also equipped with gasket.
Horizontal movement.

Machining

Cuts -45° / 90° / +45°.

Machining Module

Structure

11 Spindles High Speed on doily divided into 2 parts by independent movement according to the x axis.

Machining

Handle holes / Cylinder holes, Slots for condensate drain, Hinge holes, Burglary for the Lock, Ventilation holes, Closure Marking.
All other possible machinings required on PVC profiles

Technical Features

Performance

Up to a 250 Frames / 8h*

*Depending on the types of profiles, weld bead and operator loading speed.

Operators n. 1

Loading Module

Loading warehouse with max of 8 bars.
Automatic bar loading system with straps.
Profile gripping system by means of 2 controlled axis driven by linear motor with prismatic guides with real position reading via centesimal magnetic strip.

Profile Automatically Loadable

Length	500 / 6.500 mm
Width	40 / 130 mm
Height	40 / 180 mm

Discharge Module

Automatic extractor of cut profiles on a controlled axis.
Straps unloading table with safety photocell.
Max capacity of unloading 12 pieces.

Optional

Upon request the machine can be equipped with:

Configuration with **1 additional spindle**.

Opt. Recover: it allows you to re-insert the pieces to be machined again following production errors, a new cutting list optimized for these.

Stats: software for the analysis of data production (weekly, monthly and annual operations report).

Motorized unloading table with belts with output on the side opposite the load.

Vacuum cleaner with 2 bags.

Manual labeling machine.

Labeling machine with automatic label applicator.

Tool break Laser.

Fly Optimizer: automatic measurement system of rest bar (allows you to optimize the production list again in order to reuse production leftovers).

Customized solution for adapting the machine to profiles with particular shapes (it require technical analysis).

Possibility of **predisposition for automatic connection** to 1 or 2 ASC-E tightening centers.

Chip conveyor – Version 1.000 mm or 2.000 mm.

Customized soundproof booth.

Single or double laser for marking profiles.