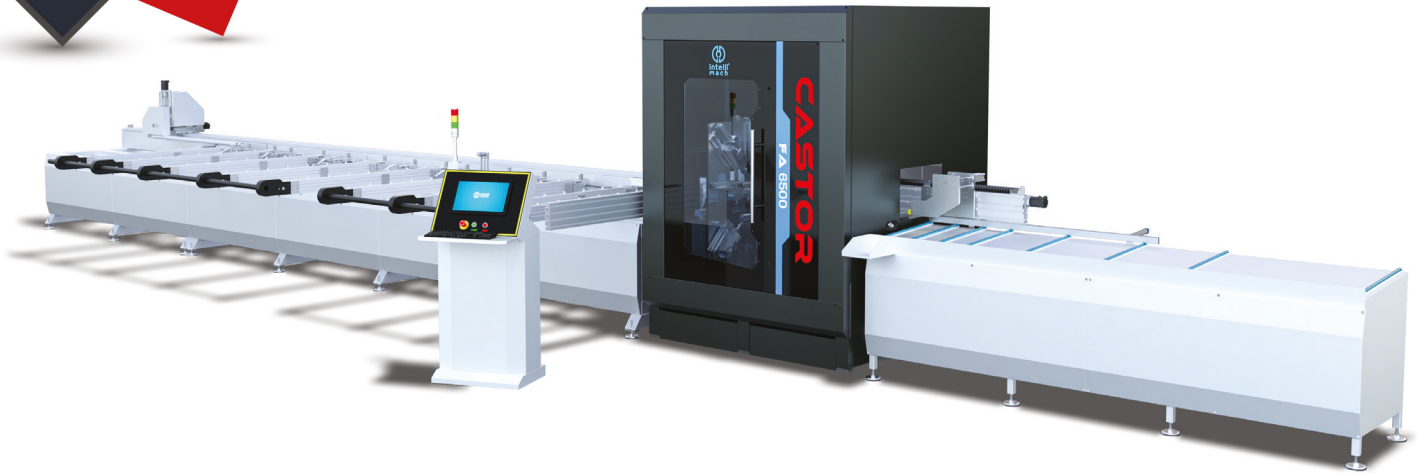


# CASTOR FA6500

Pvc Profile Machining  
and Cutting Center

www.intelmakina.com



## CASTOR FA6500

### Pvc Profile Machining and Cutting Center

Intel Makina's Pvc Profile Machining and Cutting Center are the only machines in this regard due to their durability and reliability features. It is ideal for cutting aluminum and PVC profiles of different thicknesses and angles. These latest generation machines make a significant contribution to the production line phases thanks to their extremely clear and easy use in the cutting process. CASTOR FA 6500 all sawing, milling, drilling and marking operations on PVC profiles are gathered in one machine controlled by a computer.

#### TECHNICAL DETAILS

|   |                         |  |               |
|---|-------------------------|--|---------------|
| <b>Electric Values</b>                      | 380-400V, 3ph, 50-60 Hz | <b>Machine Weight</b>                    | 4400 Kg       |
| <b>Total kW Value</b>                       | 23 kW                   | <b>Max. Profile Thickness Can Be Cut</b> | 130 mm        |
| <b>Motor Power</b>                          | 1.5 kW                  | <b>Max. Profile Height Can Be Cut</b>    | 160 mm        |
| <b>Air Consumption</b>                      | 450 lt/min              | <b>Min. Profile Thickness Can Be Cut</b> | 30 mm         |
| <b>Air Pressure</b>                         | 6-8 Bar                 | <b>Min. Profile Height Can Be Cut</b>    | 35 mm         |
| <b>Minimum Workable Profile Length</b>      | 350 mm                  | <b>Saw Outside Diameter</b>              | 1 Piece Ø550  |
| <b>Maximum Workable Profile Length</b>      | 7000 mm                 | <b>Saw Inside Diameter</b>               | Ø30           |
| <b>Max. Length of Profile Can Be Loaded</b> | 7000 mm                 | <b>Saw Thickness</b>                     | 4,2 mm        |
| <b>Machine Height</b>                       | 2400 mm                 | <b>Number of Saw Teeth</b>               | 120           |
| <b>Machine Length</b>                       | 13950 mm                | <b>Number of Saws Used</b>               | 1             |
| <b>Machine Width</b>                        | 2750 mm                 | <b>Saw Speed</b>                         | 3000 rpm      |
|   |                         | <b>Drillers Speed</b>                    | 5 x 18000 rpm |

\*Photos are for example purposes only

## CONTROL

**Automatic cutting** in all angles between 30° and 150° with accuracy of 0,1° by means of servo motors

**Stacking of 9 profiles** (max 7 m length)

**Industrial PC** with Windows XP embedded which works between 0°C – 55°C without fan 21,5 “

**Data transfer** is available via network and connection or USB interface

**Thanks to its easy-to-use** and flexible operating system, all works in harmony with chopping and optimization programs.

**There is a working algorithm** in accordance with the principle of minimum waste and maximum production.

**Waste can be automatically** optimized and evaluated within the cut lists sent.

**Parameters** can be adjusted easily.

**Usb login**

## PROFILE ENTRY UNIT

**9 Profiles** can be loaded on the input conveyor.

**Profile loading capacity** can be increased optionally

**Profile transport** and positioning, automatic profile recognition feature.

**Minimum 900 mm.**, Maximum 7000 mm. It measures the profile length automatically. (There is an infinite length processing option)

**There is a warning system** that prevents the wrong profile.

**Ability to back-up** daily data on internal storage unit

**Central lubrication system** to ease the machine maintenance

**Problem identification,** solution and servicing by means of remote connections

**Ability to notify** the user against incorrect loaded profile thanks to profile recognition system

## PROFILE EXIT UNIT

**Exit robot** automatically **pneumatic pushing system**

**If desired,** a label from the barcode printer for each finished piece by taking the printout, convenience can be provided for production organization

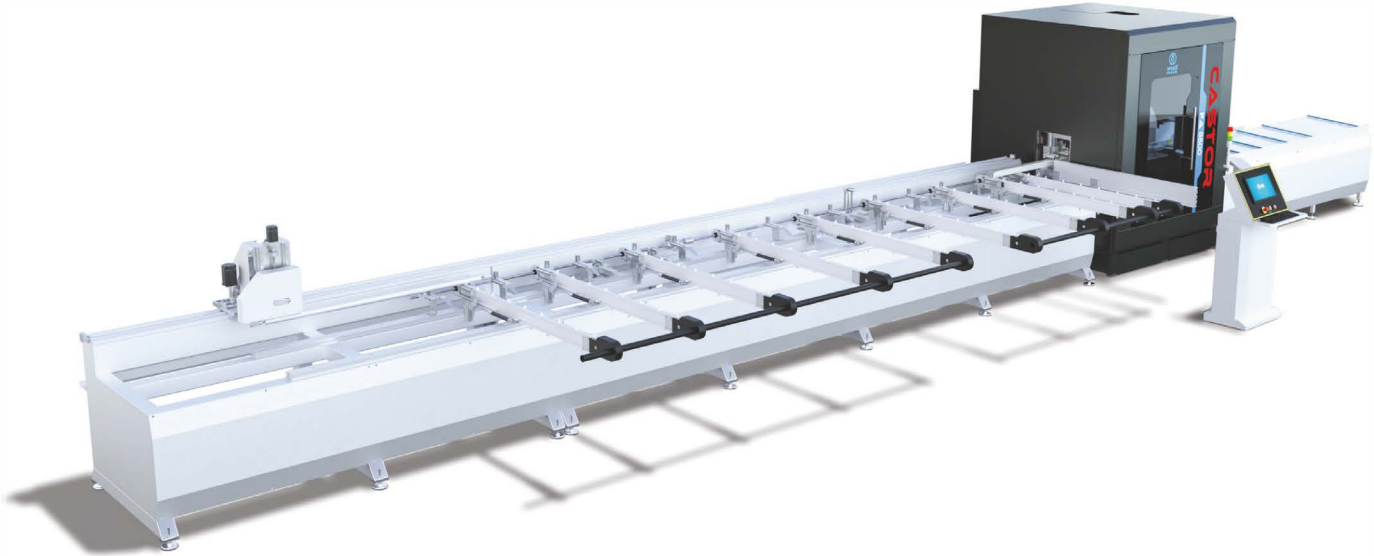
## (OPTIONAL)

### INDUSTRIAL LABEL PRINTER

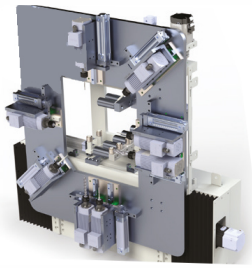
**The industrial label printer** allows to recognize each cut profile according to its characteristics found in the cutting list.

**In addition,** writing code on them makes it extremely convenient to easily find the order ID of each profile and especially for subsequent transactions.

**Chip conveyor**



Industrial PC



Drilling and Milling Group



Barcode Printer



Pneumatic Profile Exit Unit

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