

# FC 550

## Pvc Profile Cutting Center

www.intelmakina.com



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Intel Makina's Pvc Profile 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. FC 550 All sawing, 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>	4250 Kg
<b>Total kW Value</b>	15 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>	380 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>	13350 mm	<b>Number of Saws Used</b>	1
<b>Machine Width</b>	2750 mm	<b>Saw Speed</b>	3000 rpm

\*Photos are for example purposes only

## CONTROL

**FC-550** is a servo-controlled machine which is specifically designed for the serial cutting of any kind of PVC profiles in the market.

**22" Industrial PC** has been used

**The machine** is able to cut PVC profiles into required dimension

**Operator** places 8 pieces of profiles of maximum length of 6.5 m and minimum length of 0.7 m on the feeding conveyor of the machine, and presses on start button

**Machine** start the cutting operation of the profiles with the help of high performance robot arm and saw unit as per the requested angle between the angle of 45°-135° then collocates them on the outlet conveyor.

**Operator** attaches barcodes on the machined profiles to make them ready for the assembly

## 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

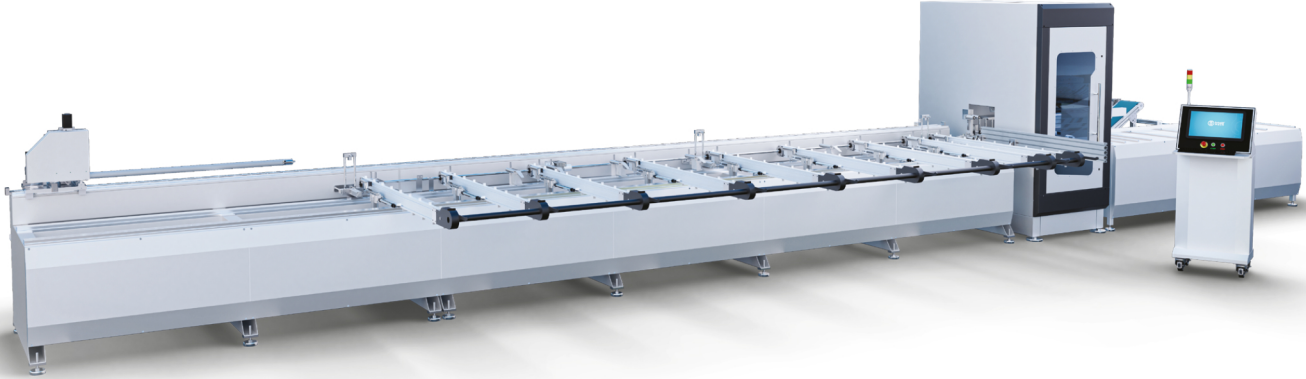
**Ability to notify** the user against incorrect loaded profile thanks to profile recognition system

(OPTIONAL)

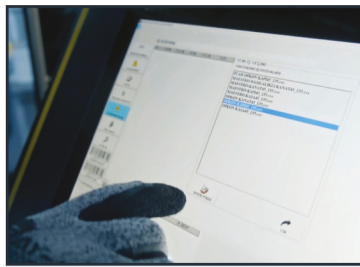
## INDUSTRIAL LABEL PRINTER

**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.



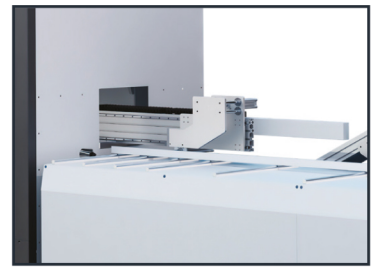
Industrial PC



Easy To use



Barcode Printer



Pneumatic Profile Exit Unit

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