

# PIM6509

## PIM6509 PVC PROFILE MACHINING AND CUTTING CENTER



Performing operations on four sides of PVC profiles such as milling, opening key holes, water slots, hinge holes, handle holes, marking, saw blade cutting etc.



Servo controlled down-cutting saw blade with  $\varnothing$  550 mm dia. that rotates between the range of 30° and 150°



Automatic frame and sash profile recognition system

Automatic profile width and height dimension control system



Windows based PC and 15.6" LCD touch screen monitor

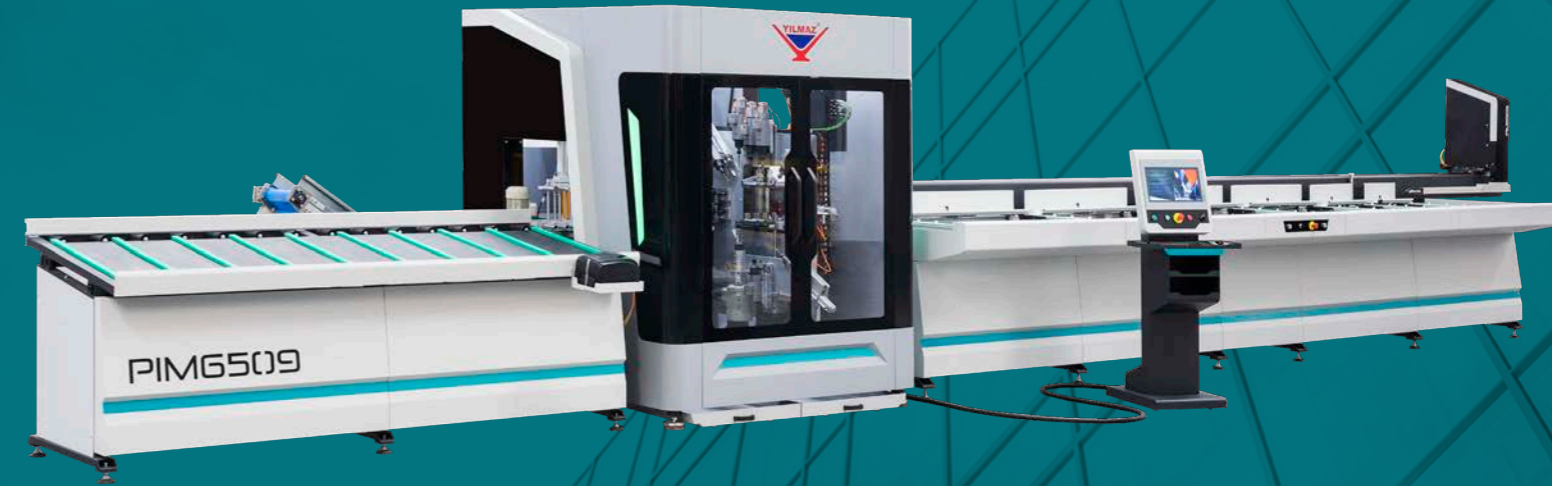


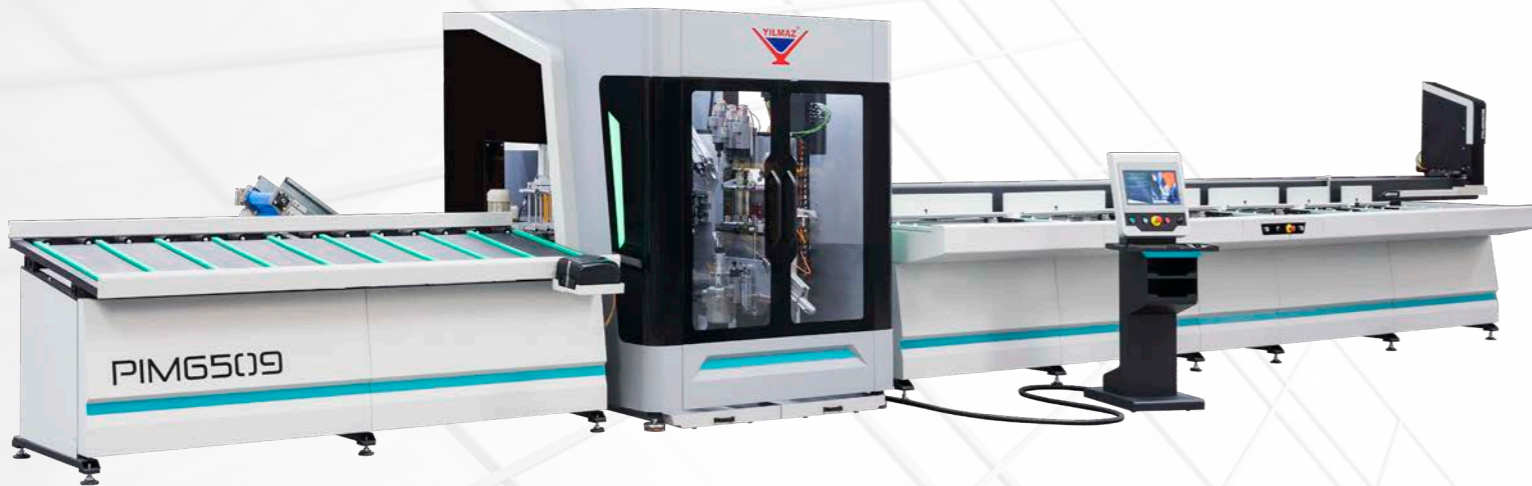
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# PIM6509

PVC PROFILE MACHINING AND  
CUTTING CENTER





### Technical Features

AXIS	
Total axis	8
Max. profile length (mm)	6500
Min. profile length (mm)	700
POSITIONING SPEED	
Axis speed (m/min.)	X: 40 / Y: 40 / Z: 40
U-axis profile infeed speed (m/min.)	100
AUTOMATIC CUTTING MODULE	
Saw blade dia. (mm)	550
Min cutting length at (45° and 90°)	400 mm
Saw blade cutting range (°)	from 30° to 150°
AUTOMATIC MILLING	
Total milling motor	10
Triple hole motor	1
Min. machinable profile dim. (mm) (WxH)	40x40
Max. machinable profile dim. (mm) (WxH)	130x180
FUNCTIONS	
Multi-piece operations such as milling, opening key holes, water slots, hinge holes, handle holes, marking, saw blade cutting etc.	
GENERAL	
Net and gross weight (kg)	3650 x 4000
Net dim. (mm) (LxWxH)	1400 x 2500 x 2500
Packing Dim. (mm) (LxWxH)	1 ad.:466 x 184 x 227 1 ad.: 44 x 184 144 1 ad.:296 x 141 x 132 1 ad: 224 x 230 x 244
Voltage-frequency	400V AC 3P PE 50/60 Hz,
Total power (kW)	14 kW 28A 4pc.x0,85 kW + 4ad.x0,45kW servo motor 1pc.x2,2 kW sawing motor 1pc.x0,75 kW AC triple hole motor 2pcx0,37 kW AC infeed and swarf conveyors 1pc.x0,25 kW AC profile take-out motor 10pc.x0,55kW high frequency motor

<b>PIM 6509</b>	14 kW 28A 400V AC 3P PE 50/60 Hz,	D:550 mm d:30 mm	2440 RPM	18.000 RPM	6 BAR	250 Lt /min.	see attached table	3650 kg. 4000 kg.

### MACHINE DESCRIPTION

PIM 6509 is 8-axis CNC controlled machining center which is specifically designed to process any kind of PVC profiles in the market. The machine can do all operations on four sides of PVC profiles such as milling, opening key holes, water slots, hinge holes, handle holes, marking, saw blade cutting etc. PIM 6509 has the programming feature which provides minimum waste and maximum amount of production.

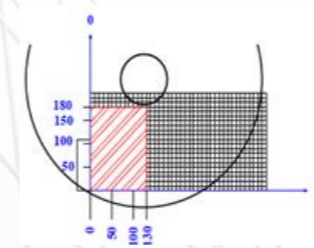
7 pieces of PVC profiles can be placed on the feeding conveyor of the machine and 3-axis pneumatic gripper moves them into the milling & cutting center for the milling and cutting operations. Operator attaches barcodes on the processed profiles to make them ready for welding operation.

### OPTIONAL

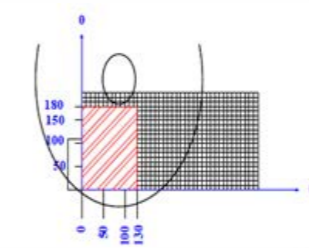
- Angled swarf conveyor
- KP 3500 chip vacuum extractor
- Workshop logistic equipment
- Additional Ø 550 mm saw blade
- Additional cutter bits

### GENERAL FEATURES

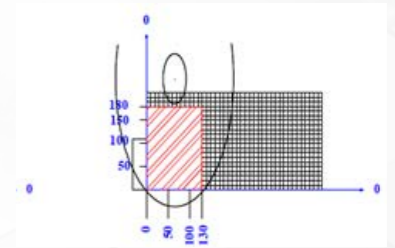
- Servo control system providing CNC motion at 8-axis
- Fully automated feeding, carrying, positioning, cutting and transferring units
- Performing operations on four sides of PVC profiles such as milling, opening key holes, water slots, hinge holes, handle holes, marking, saw blade cutting etc.
- Pneumatic gripper for accurate positioning of the profile moving in three axes
- Horizontal and vertical clamping of workpiece during the sawing operation
- Profile processing capacity with 2200-2400 running meter/ 8 hours
- Automatic conveyor unit with the loading capacity of 7 pcs of profiles
- Servo controlled down-cutting saw blade with Ø 550 mm dia. that rotates between the range of 30° and 150°
- Windows based PC and 15.6" LCD touch screen monitor
- Remote desktop connection and providing technical support
- User friendly interface software that is compatible with CAD programs
- Ability to perform milling and cutting operations at the same time
- Easy integration with the CNC welding and corner cleaning machines
- Automatic frame and sash profile recognition system
- Automatic profile width and height dimension control system
- Automatic lubrication system
- Low pressure control for safety operations
- LED interior lighting
- Barcode Printer



90° : W:130 mm x H:180 mm



45° : W:130 mm x H:180 mm



30° : W:130 mm x H:180 mm