

# schtec Profile Machining and Cutting Centers



## SMC 310 Profile Machining and Cutting Center

### Standard Features

- This 3 axis controlled CNC processing center can do all operations on PVC profiles such as cutting, marking, opening key holes, copy routing for water slot milling, hinge holes, handle holes etc.
- All angles between 30 - 150 degrees are cut with 0.1 degree accuracy servo axis controlled 500 mm diameter saw.
- Routing and cutting processes are synchronized to run at the same time
- With the processed profile, 8 pieces can be loaded on the machine. (Max.length 6.5 m)
- Private HMI software developed by Schtec Software Department allows different kinds of window design program data files to be uploaded on machine
- Optimisation option can be enabled for each projects seperately therefore machine make optimisation for waste profiles automatically
- All alarms and machine faults are displayed on HMI along with solutions
- 15" Touch Screen and high performance industrial PC with Windows XP Embedded system. This system can operate fanless between 0°C and 55°C
- Industrial PC Based Servo Control System (Beckhoff)
- Online diagnostic and troubleshooting via user friendly interface
- File transfer by USB or ethernet network
- Remote desktop connection by WiFi or Ethernet connection
- Central lubrication system reduces the time spent for maintenance
- Automatic dust collection system sucks out all pvc dusts and removes wastes fast with 2 different carriers

### Optional

- Optional screwing station having two screw units allows simultaneous screwing of reinforcement steel via servo controlled axes system.
- For operations which can be done on profiles with a height greater than 120 mm and maximum cutting height, please inquire to us

### Technical Specifications

Voltage	: 400 V, 3 PH, 50-60Hz
Power Consumption	: 9.8 kW, 24.5A
Max. Profile Height	: 120 mm
Min. Profile Height	: 40 mm
Max. Profile Width	: 130 mm
Min. Profile Width	: 35 mm
Max. Profile Bar Length	: 6.500 mm
Max. Processing Length	: 6.000 mm
Maximum Cutting Length	: 3.000 mm (can be increased when it needs)
Minimum Cutting Length	: 370 mm
Minimum Process Length for Profile	: 1200 mm
Tool Diameter	: 6 mm Carbide Fast Tool
Tool rpm	: 18.000 rpm
Max. Axis Speed (Processing)	: 50 m./min
Max. Axis Speed (Saw)	: 100 °/sec
Max. Axis Speed (Carrier)	: 40 m./min
Air Pressure	: 6-8 Bar
Air Consumption	: 650 lt./ min.
Machine Height	: 2.178 mm
Machine Width	: 2.860 mm
Machine Length	: 13.325 mm
Machine Weight	: 3.500 kg
Standart Tool Count	: 6 piece high speed air cooling spindles

