



# **ALUMINIUM** PROFILE & PANEL PROCESSING MACHINERY

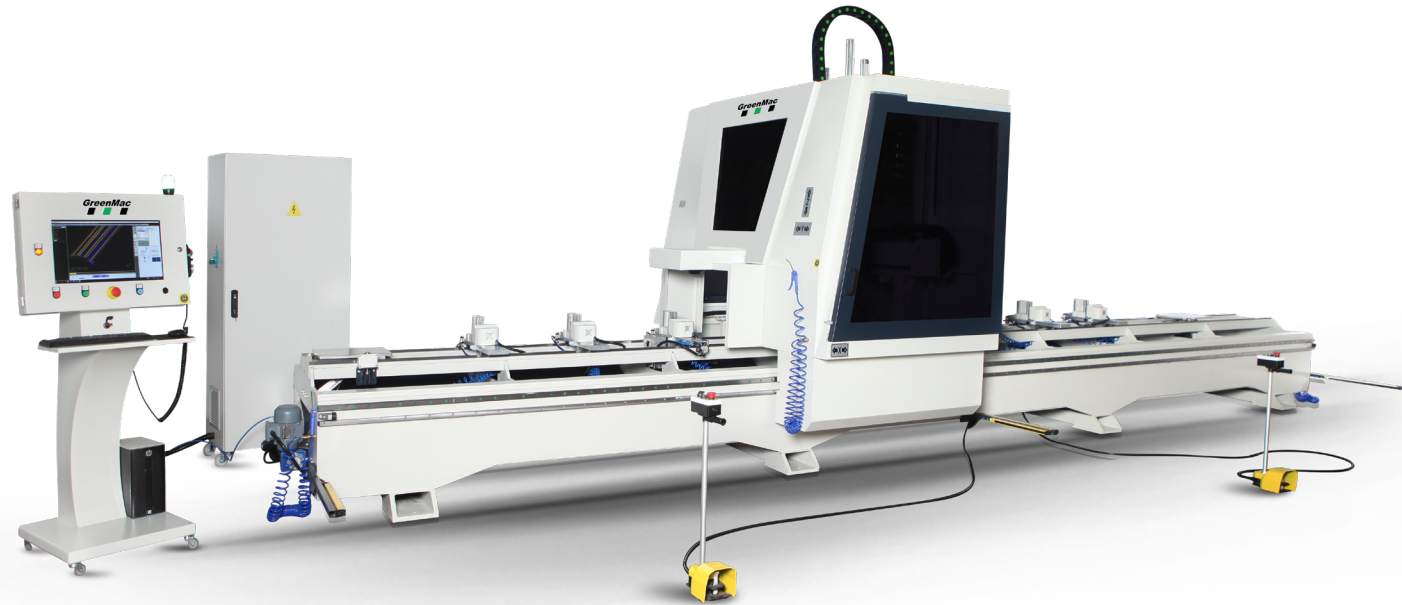
***GreenMac***



# GreenTech 5 XL



## 5-AXIS CNC PROFILE MACHINING CENTER



### MACHINE DESCRIPTION

CNC PROFILE MACHINING CENTER equipped with X,Y, Z Axis and 0-180 degrees on the A axis and 0-360 degrees on the C axis. Complete 5 Axis are independently programmable with high speed spindle, automatic tool changer magazine, profile clamping devices, pneumatic reference pins and 3D programming software.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: Birotary head 12,0 kW 24.000 rpm HSK F-63 high speed spindle. With ceramic bearings, liquid-cooled. It has 2 axis mounted on the spindle body.

Automatic Tool Changing Magazine: Placed on the bridge with 8 positions of standard tools. The 400 mm 5 Axis notching blade is also placed inside.

Axis Information:

X-Axis: Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 80 mt./min.

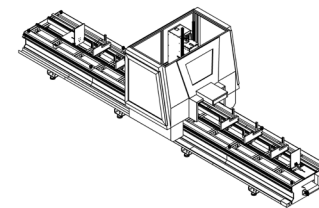
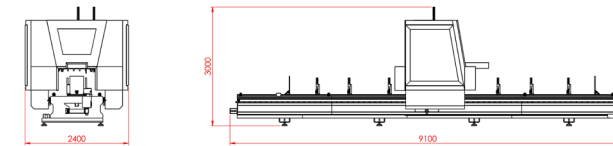
Y-Axis: Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 65 mt./min.

Z-Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

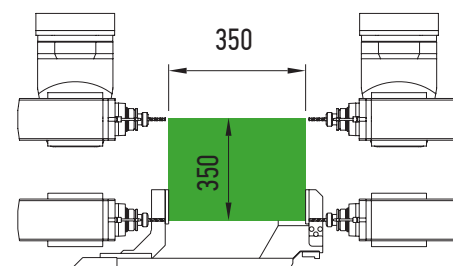
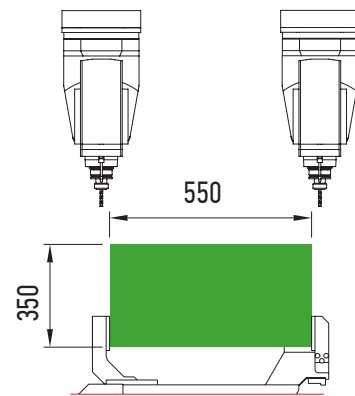
A-Axis: +/- 185 degrees

C-Axis: +/- 320 degrees

Profile Machining Length	: 8.200 mm.
Profile Machining Dimension (from the top)	: 550 X 350 mm.
Profile Machining Dimension (5 Axis)	: 350 X 350 mm.
Maximum Tool Length	: 250 mm.
Maximum Tool Diameter	: 100 mm.
Maximum Disc Cutter Diameter	: 500 mm.
Total Installed Power	: 22 kW / 60A / 400V / 50-60 Hz.
Air Pressure and Air Consumption	: 6-8 Bar. - 120 L/min.



6.000 kgs.



### STANDARD EQUIPMENT

Double station working capacity thanks to the pneumatic reference points placed at both sides of the machine. Manually positioned 8 pieces of profile clamps. The width of the clamps are adjustable and they are also suitable for fixture connection. 12,0 kW 24.000 rpm HSK F-63 high speed spindle has an automatic tool changer magazine with 10 positions placed on the bridge.

Dust extraction conveyor.

Pulse spray mist coolant system.

Automatic positioning of the clamps moved by the bridge.

3D CAD-CAM software.

21.5" TFT-LCD Screen.

Laser safety barriers.

### OPTIONAL EQUIPMENT

Extra sawblade tool with diameter 500 mm.

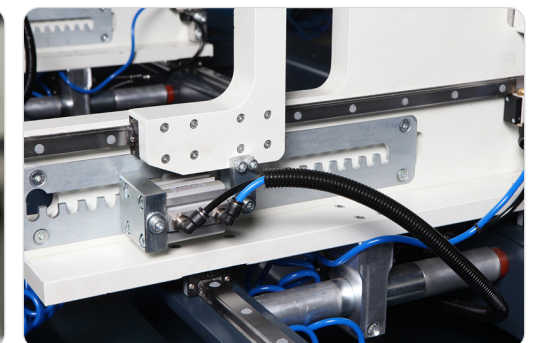
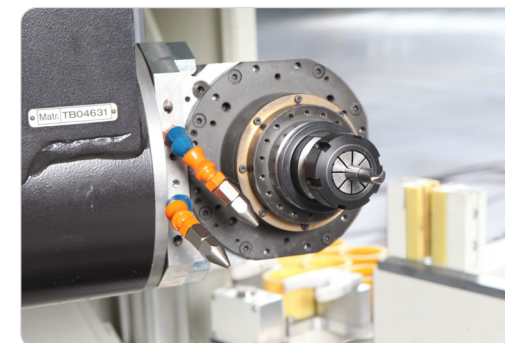
Data import with barcode reader from production softwares.

Extension of net profile machining length up to 15 m.

Independent clamp management via additional servo axis.

Additional angular head for processing from the below of the profile.

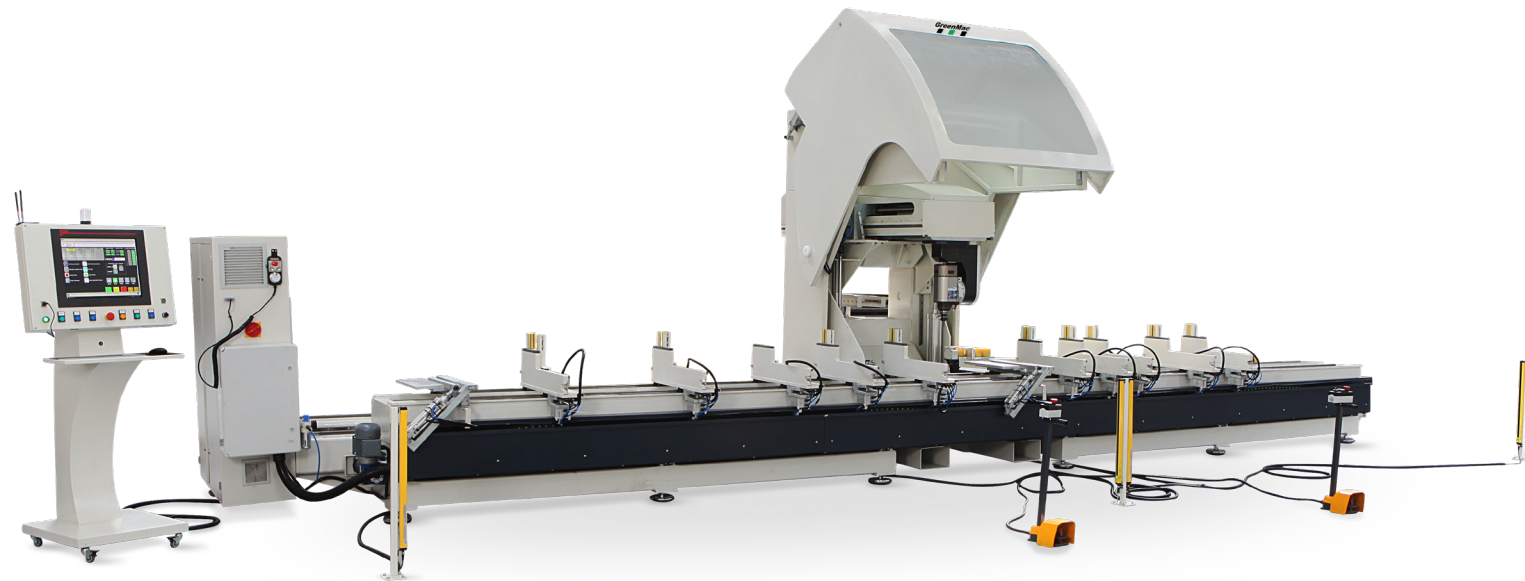
Air conditioning inside the electric panel.





# GreenTech 5X

## 5-AXIS CNC PROFILE MACHINING CENTER



### MACHINE DESCRIPTION

CNC PROFILE MACHINING CENTER equipped with X, Y, Z Axis and 0-180 degrees on the A axis and 0-360 degrees on the C axis. Complete 5 Axis are independently programmable with high speed spindle, automatic tool changer magazine, profile clamping devices, pneumatic reference pins and 3D programming software.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: Birotary head 18,0 kW 24.000 rpm HSK F-63 high speed spindle. With ceramic bearings, liquid-cooled. It has 2 axis mounted on the spindle body.

Automatic Tool Changing Magazine: Placed on the bridge with 10 positions of standard tools. The 400 mm 5 Axis notching blade is also placed inside.

#### Axis Information:

X-Axis: Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 80 mt./min.

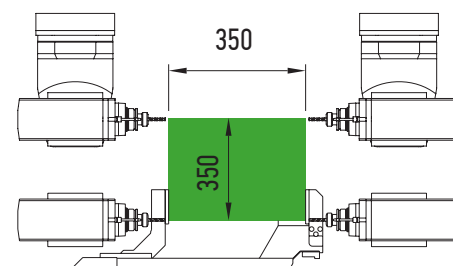
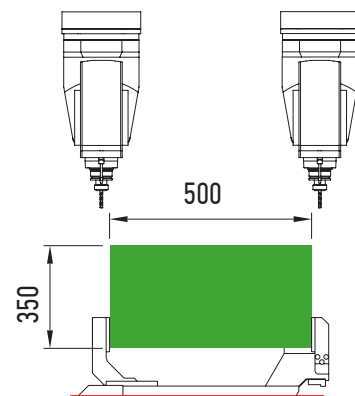
Y-Axis: Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 65 mt./min.

Z Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

A Axis: +/- 185 degrees

C Axis: +/- 320 degrees

Profile Machining Length	: 7.500 mm.
Profile Machining Dimension (from the top)	: 500 X 350 mm.
Profile Machining Dimension (5 Axis)	: 350 X 350 mm.
Maximum Tool Length	: 250 mm.
Maximum Tool Diameter	: 100 mm.
Maximum Disc Cutter Diameter	: 500 mm.
Total Installed Power	: 30 kW / 60A / 400V / 50-60 Hz.
Air Pressure and Air Consumption	: 6-8 Bar. - 120 L/min.



### STANDARD EQUIPMENT

Double station working capacity thanks to the pneumatic reference points placed at both sides of the machine. Manually positioned 8 pieces of profile clamps. The width of the clamps are adjustable and they are also suitable for fixture connection. 18,0 kW 24.000 rpm HSK F-63 high speed spindle has an automatic tool changer magazine with 10 positions placed on the bridge.

Dust extraction conveyor.

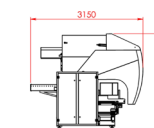
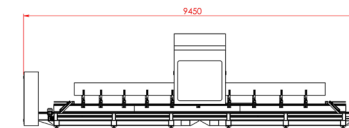
Pulse spray mist coolant system.

Automatic positioning of the clamps moved by the bridge.

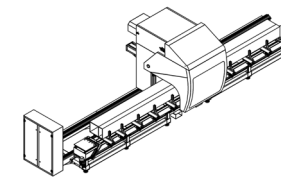
3D CAD-CAM software.

21.5" TFT-LCD Screen.

Laser safety barriers.



5.500 kgs.



### OPTIONAL EQUIPMENT

Extra sawblade tool with diameter 500 mm.

Data import with barcode reader from production softwares.

Extension of net profile machining length up to 15 m.

Independent clamp management via additional servo axis.

Additional angular head for processing from the below of the profile.

Air conditioning inside the electric panel.

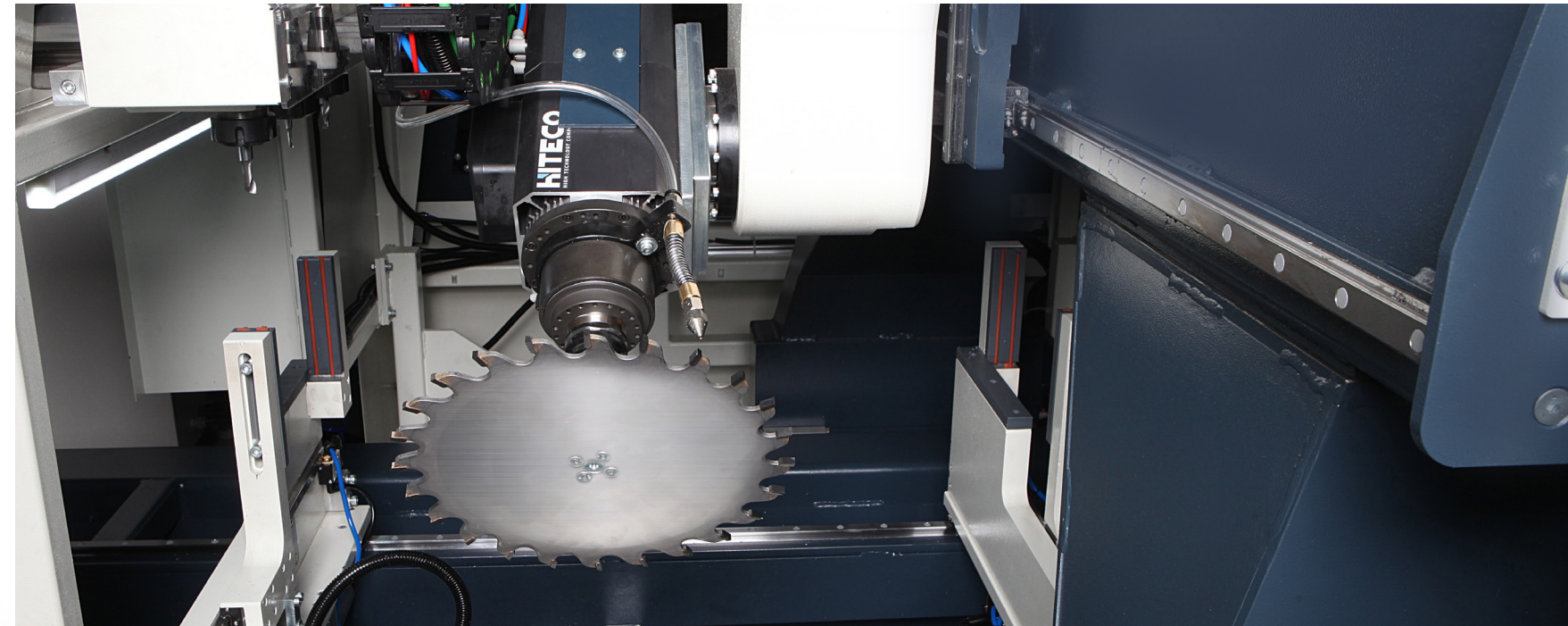




# GreenTech 4 XL



## 4-AXIS CNC PROFILE MACHINING CENTER



### MACHINE DESCRIPTION

Gantry axis CNC PROFILE MACHINING CENTER equipped with 0-180 degrees independently programmable high speed spindle, automatic tool changer magazine, 8 Profile clamping devices, pneumatic reference pins and 3D programming software.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: 7.5 kW 0 - 24.000 rpm adjustable ISO 30 with ceramic bearings, air-cooled.

Tilting spindle at any angle between 0°-180°.

Automatic Tool Changing Magazine: Placed on the machine cover, moving along with the machine body with 10 positions of standard tools. The tool changing time is minimized by carrying the tool changer magazine on the bridge. The 300 mm notching blade is also placed inside.

Axis Information:

X-Axis: Real Gantry with 2 servo motors on both sides of the bridge. Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 80 mt./min.

Y-Axis: Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 60 mt./min.

Z Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

Profile Machining Length XP8000/73 : 7.300 mm.

Profile Machining Length XP8000/85 : 8.500 mm.

Profile Machining Dimension (from the top) : 350 X 350 mm.

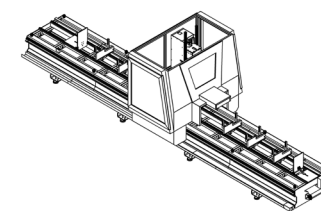
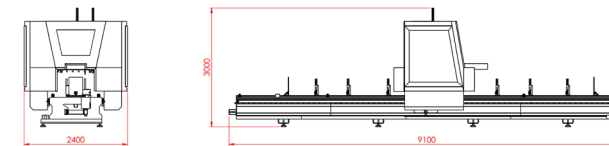
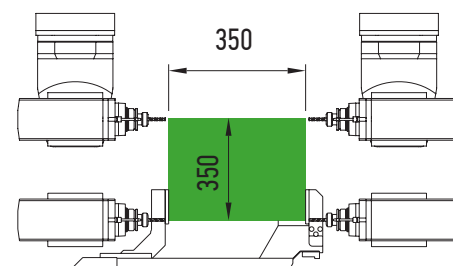
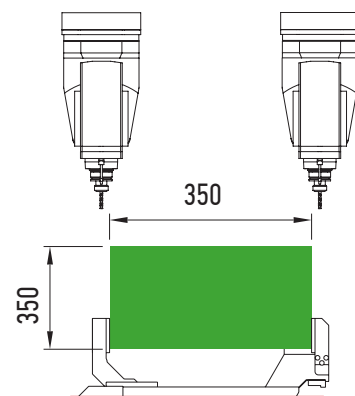
Profile Machining Dimension (from the top & front & back) : 350 X 350 mm.

Maximum Tool Length : 300 mm.

Maximum Disc Cutter Diameter : 350 mm.

Total Installed Power : 18 kW / 50A / 400V / 50-60 Hz.

Air Pressure and Air Consumption : 6-8 Bar. - 100 L/min.



4.500 kgs.

### STANDARD EQUIPMENT

Double station working capacity thanks to the pneumatic reference points placed at both sides of the machine. Automatically positioned 8 pieces of profile clamps. The width of the clamps are adjustable and they are also suitable for fixture connection. 7,5 kw 24.000 rpm ISO 30 high speed spindle has an automatic tool changer magazine with 10 positions placed on the moving bridge for faster access.

NC controlled dust extraction conveyor.

Pulse spray mist coolant system.

Automatic positioning of the clamps moved by the bridge.

3D CAD-CAM software.

21.5" TFT-LCD Screen.

Laser safety barriers.

### OPTIONAL EQUIPMENT

Data import with barcode reader from production softwares.

12,0 / 15,0 / 22,0 kW 24.000 rpm HSK F63 Liquid cooling spindle alternatives.

Tapping with compensation up to 12 mm.

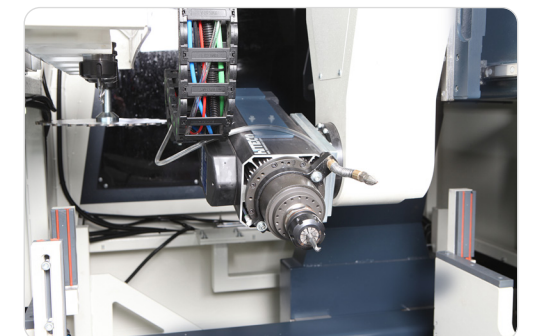
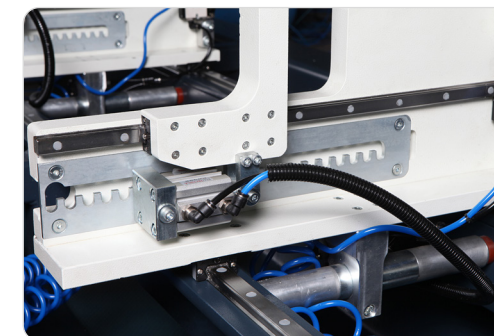
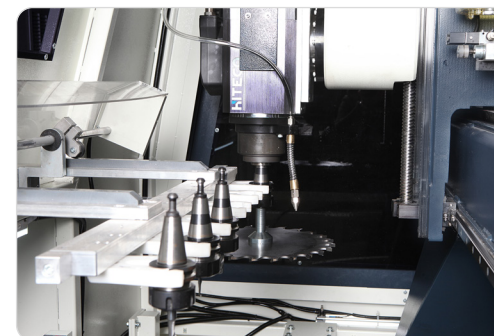
Disc cutter 300 mm.

Independent clamp positioning via servo axis.

Double clamping.

Optional Machining Length: 8.500 mm. with 12 clamps.

Air conditioning inside the electric panel.





# GreenTech CUT&FAB-4



## 4-AXIS CNC PROFILE CUTTING & MACHINING CENTER



### MACHINE DESCRIPTION

Gantry axis CNC PROFILE CUTTING & MACHINING CENTER equipped with 0-180 degrees independently programmable high speed spindle, 45-90-135 degrees automatically tilting sawblade with 600 mm diameter, automatic tool changer magazine, 12 profile clamping devices, pneumatic reference pins and 3D programming software.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: 7.5 kW 0-24.000 rpm adjustable ISO 30 with ceramic bearings, air-cooled. Tilting at any angle between 0°-180°.

Automatic Tool Changing Magazine: Placed on the machine bridge, moving along with the machine body with 10 positions of standard tools. The tool changing time is minimized by carrying the tool changer magazine on the bridge. The 300 mm notching blade is also placed inside.

Cutting unit: 3.0 kW 2.800 rpm A/C motor drives the 600 mm sawblade without any vibration during stable radial move. The machine can cut 1 piece that is clamped by 2 pneumatic clamps at a time.

Axis Information:

X-Axis: Real Gantry with 2 servo motors on both sides of the bridge. Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 80 mt./min.

Y-Axis: Brushless servo motors with gears moving on Helical Rack & Pinion and linear guides. V/max: 60 mt./min.

Z Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

Profile Machining Length : 7.300 mm.

Profile Machining & Cutting Length with Both Sides 90° : 7.100 mm.

Profile Machining & Cutting Length with Both Sides 45° : 6.700 mm.

550 mm. x 200 mm. Profile Cutting Dimension in 90°

550 mm. x 150 mm. Profile Cutting Dimension in 45°

550 mm. x 350 mm. Profile Processing from the Top and Back.

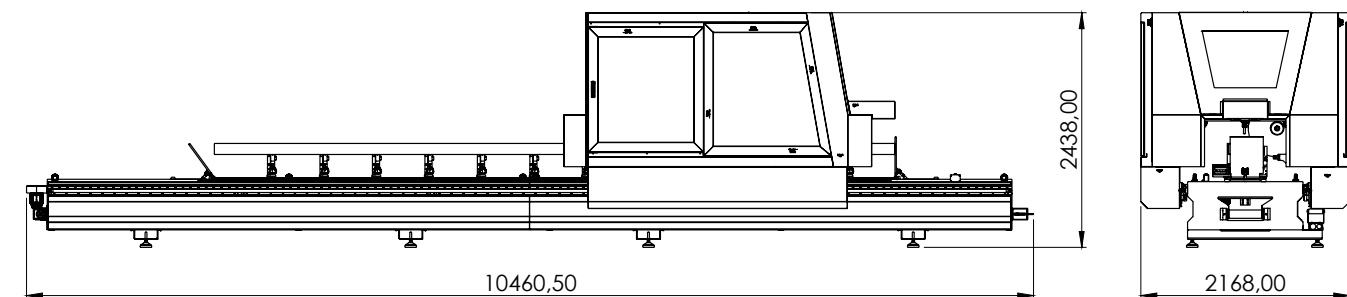
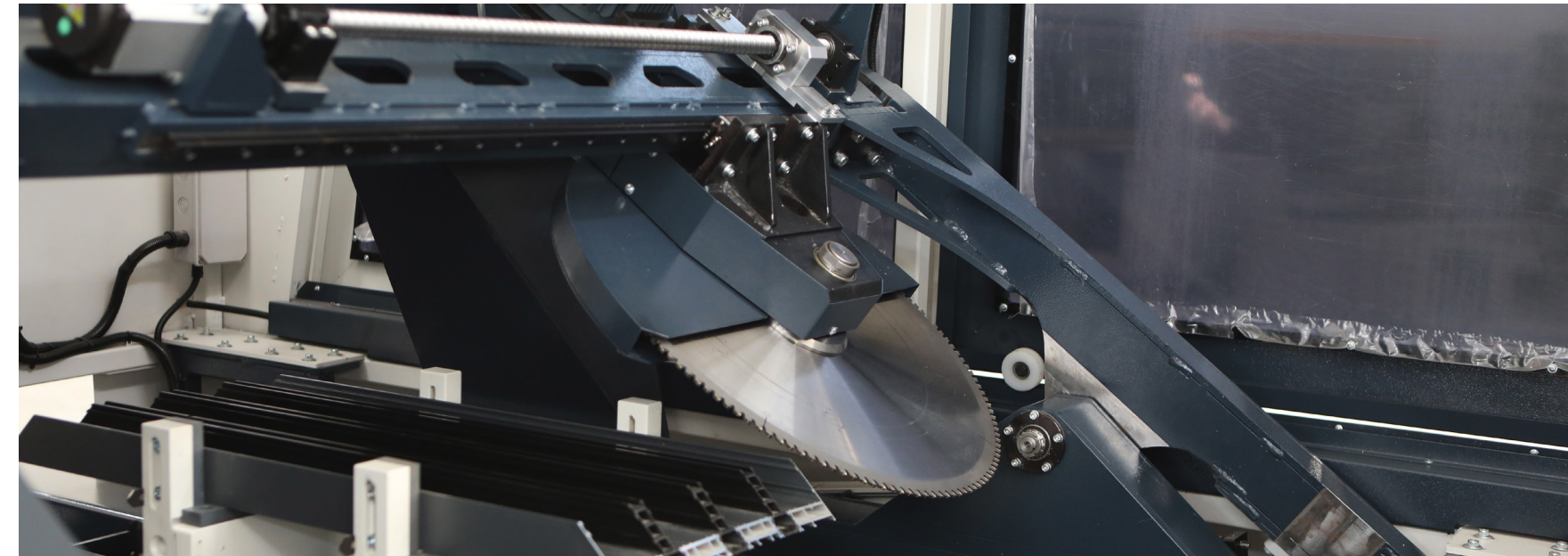
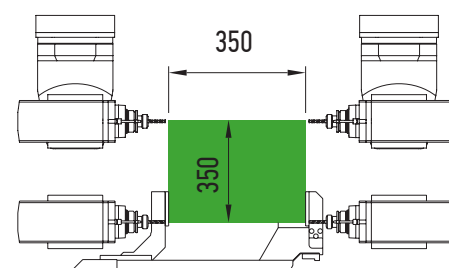
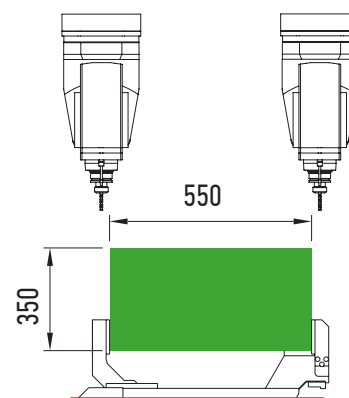
350 mm. x 350 mm. Profile Processing in 4 Axis.

Maximum Tool Length : 300 mm.

Maximum Disc Cutter Diameter : 350 mm.

Total Installed Power : 19 kW / 80A / 400V / 50-60 Hz.

Air Pressure and Air Consumption : 6-8 Bar. - 100 L/min.



### STANDARD EQUIPMENT

Double station working capacity thanks to the pneumatic reference points placed at both sides of the machine. Manually positioned 12 pieces of profile clamps. The width of the clamps are adjustable and they are also suitable for fixture connection.

45°-90°-135° automatic tilting radial moving sawblade with 600 mm diameter connected on a separate portal behind the bridge. The cutting portal moves together with the bridge.

7,5 kw 24.000 rpm ISO 30 high speed spindle has an automatic tool changer magazine with 10 positions placed stable on the body of the machine.

NC controlled dust extraction conveyor.

Pulse spray mist coolant system.

Automatic positioning of the clamps moved by the bridge.

3D CAD-CAM software.

21.5" TFT-LCD Screen.

Laser safety barriers.

### OPTIONAL EQUIPMENT

5-Axis processing with birotary head upgrade.

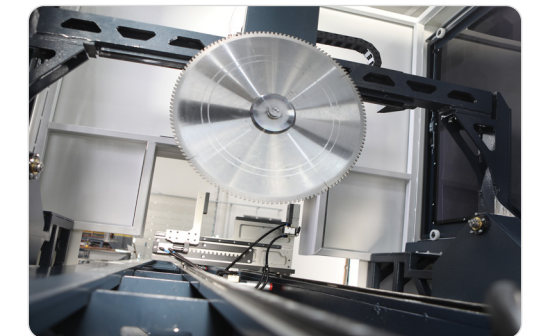
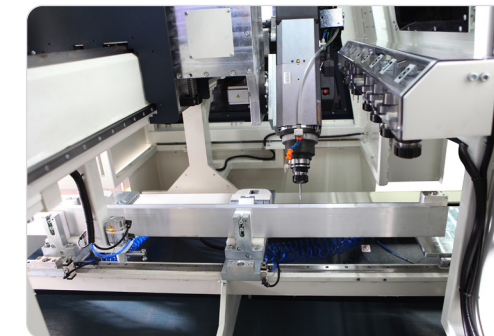
Data import with barcode reader from production softwares.

12,0 kW 24.000 rpm HSK F63 Liquid cooled Spindle.

Disc cutter 200 mm.

Independent clamp positioning via servo axis.

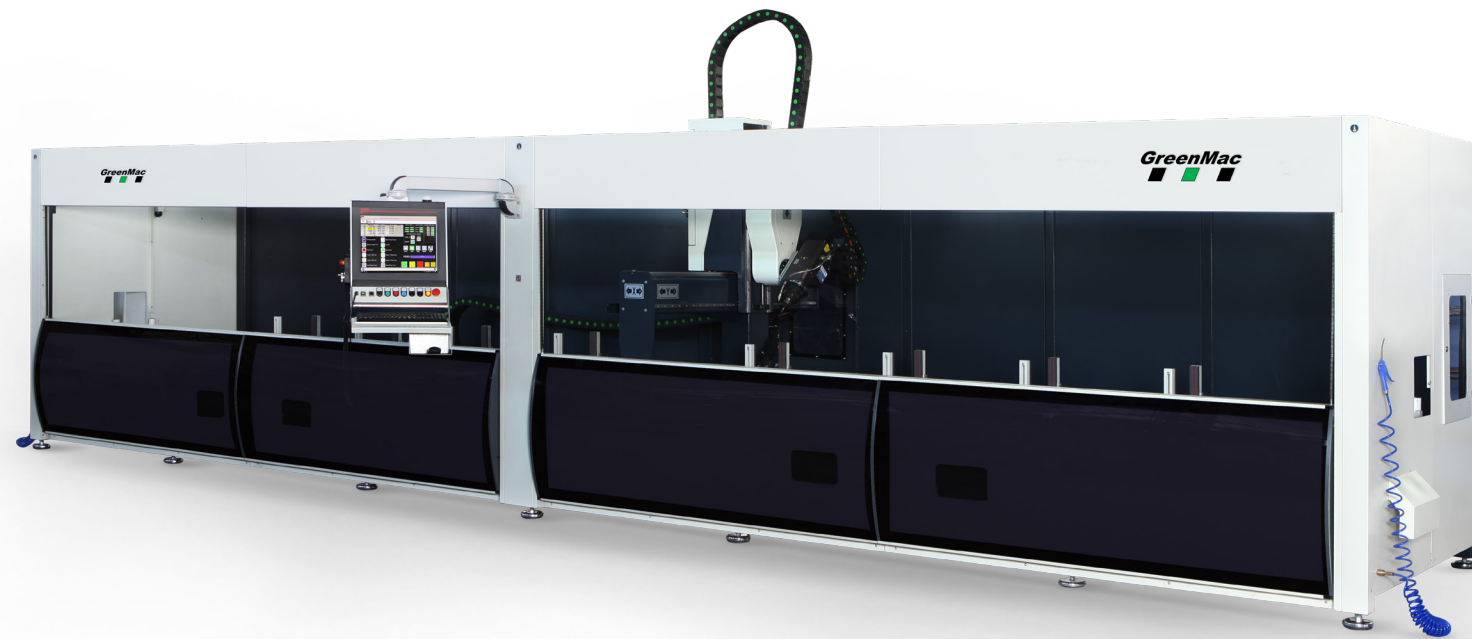
Air conditioning inside the electric panel.





# GreenTech 7X

## 4-AXIS CNC PROFILE MACHINING CENTER



### MACHINE DESCRIPTION

Cabin type 4 Axis CNC Profile Machining Center equipped with a high speed spindle that can rotate between 0°-180° independent from the drive, automatic tool changer magazine, profile clamping devices, pneumatic reference pins and 3D programming software.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: 7.5 kW 0 - 24.000 rpm adjustable ISO 30 with ceramic bearings, air-cooled. Tilting at any angle between 0°-180°.

Automatic Tool Changing Magazine: Placed on the machine body with 12 positions of standard tools. The 200 mm notching blade is also placed inside.

Axis Information:

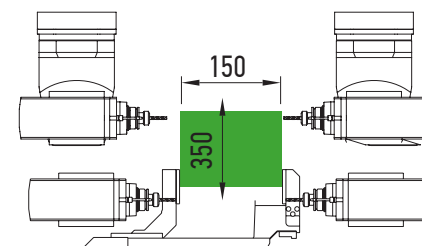
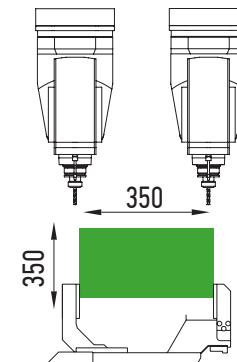
X-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 70 mt./min.

Y-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 60 mt./min.

Z Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

A Axis: Servo motor moving on harmonic cycloid reducer with zero backlash.

- Profile Machining Length : 8.000 mm. / 10.000 mm.
- Profile Machining Dimension (top & front) : 350 X 350 mm.
- Profile Machining Dimension (top & front & back) : 150 X 350 mm.
- Maximum Tool Length : 120 mm.
- Maximum Tool Diameter : 30 mm.
- Maximum Disc Cutter Diameter : 200 mm.
- Total Installed Power : 13 kW / 30A / 400V / 50-60 Hz.
- Air Pressure and Air Consumption : 6-8 Bar. - 50 L/min.



### STANDARD EQUIPMENT

Thanks to the double door working mantality of the machine it is possible to process 2 different projects in 2 stations. Manually positioned profile clamps. The number of the clamps are 8 or 12 depending on the size of the machine. The width of the clamps are adjustable and they are also suitable for fixture connection. 7.5 kW 24.000 rpm ISO 30 high speed spindle has an automatic tool changer magazine with 6 positions placed linear at the end of the machine.

Machine enclosure moving up and down automatically following the work cycle.

Pulse spray mist coolant system.

3D CAD-CAM software.

Windows based PC and 21.5" TFT-LED Screen.

### OPTIONAL EQUIPMENT

10.000 mm. machining length.

Automatic positioning of the clamps moved by the bridge.

Disc cutter 200 mm.

Extra clamping unit manually positioned.

Extra clamping unit automatic positioned.

Data import with barcode reader from window production softwares.

Tapping with encoder on the spindle.

8.5 kW 24.000 rpm HSK F63 spindle.

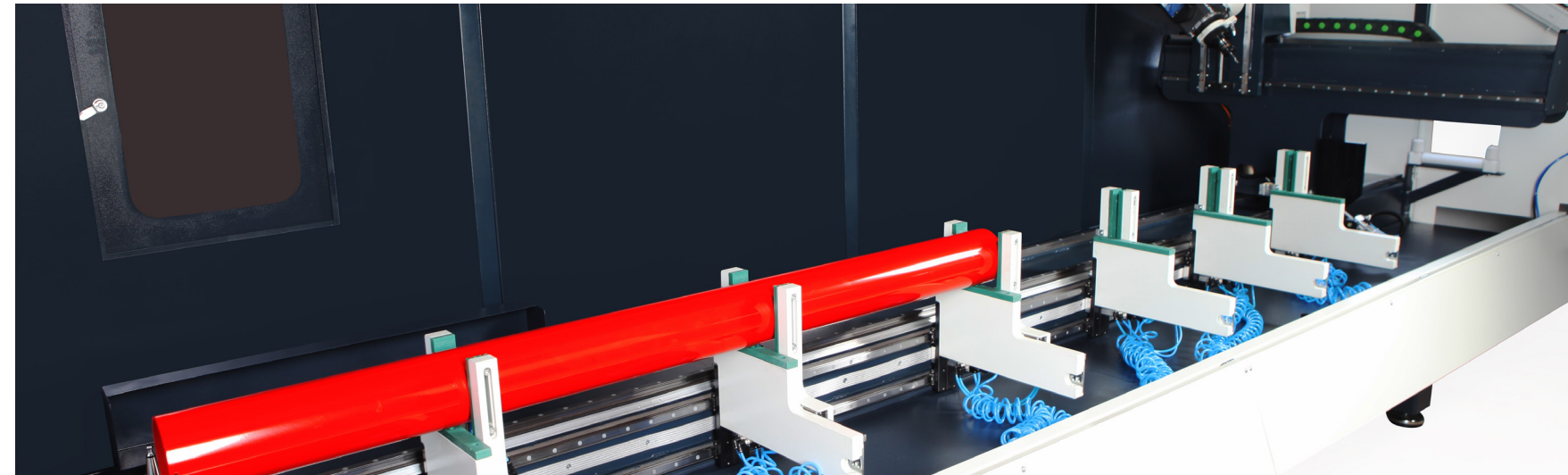
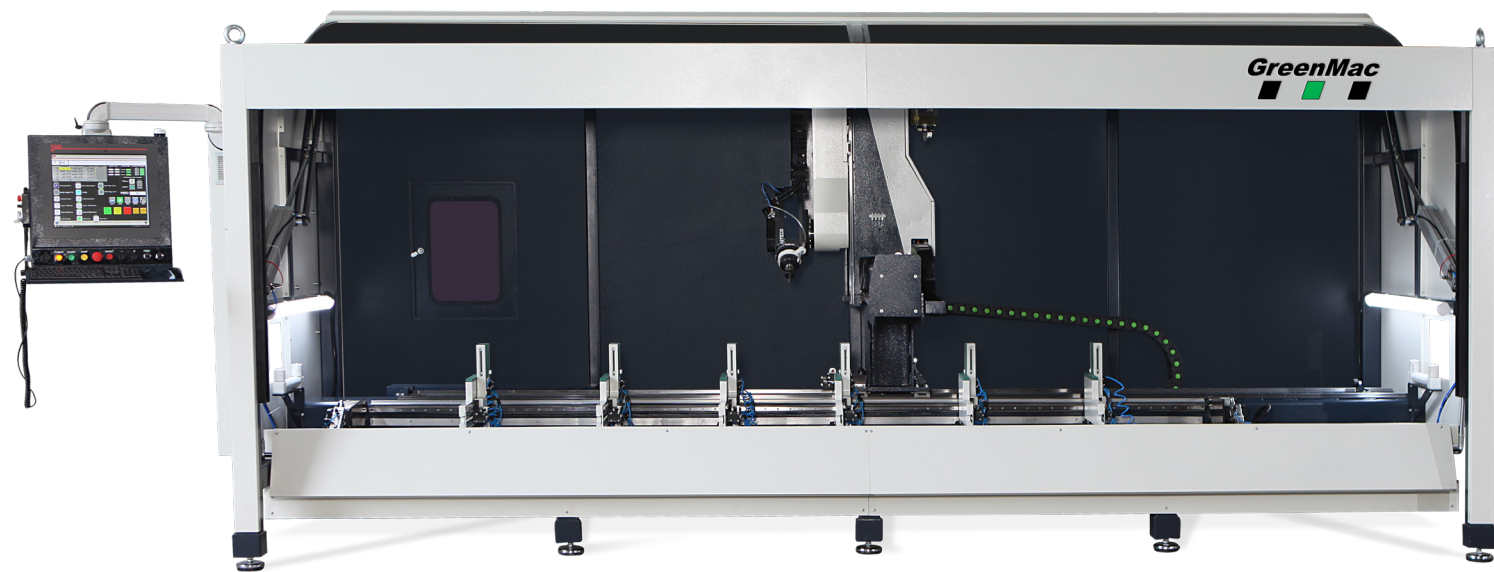
Air conditioning inside the electric panel.





# GreenTech 4X

## 4-AXIS CNC PROFILE MACHINING CENTER



### MACHINE DESCRIPTION

Cabin type 4 Axis CNC Profile Machining Center equipped with a high speed spindle that can rotate between 0°-180° independent from the drive, automatic tool changer magazine, profile clamping devices, pneumatic reference pins and 3D programming software. Super-Ergonomic design for the use of operator.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: 7.5 kW 0 - 24.000 rpm adjustable ISO 30 with ceramic bearings, air-cooled. Tilting at any angle between 0°-180°.

Automatic Tool Changing Magazine: Placed on the machine body with 7 positions of standard tools. The 200 mm notching blade is also placed inside.

#### Axis Information:

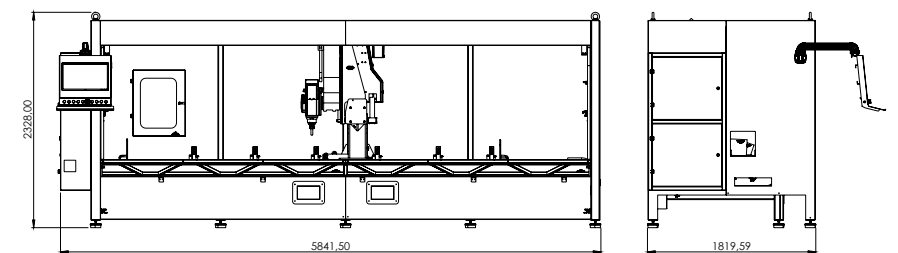
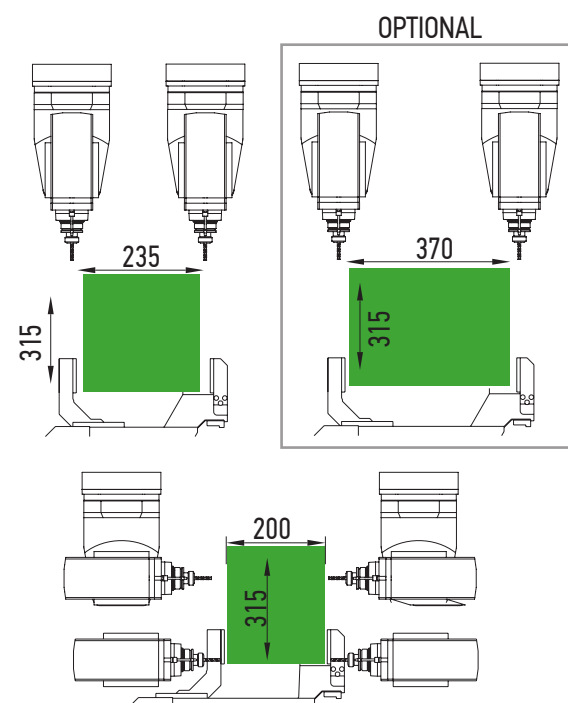
X-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 70 mt./min.

Y-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 60 mt./min.

Z Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

A Axis: Servo motor moving on harmonic cycloid reducer with zero beclasch.

- Profile Machining Length : 4.200 mm
- Profile Machining Dimension (top & front) : 235 X 315 mm. (optional 370 X 315 mm.)
- Profile Machining Dimension (top & front & back) : 200 X 315 mm.
- Maximum Tool Length : 120 mm.
- Maximum Tool Diameter : 30 mm.
- Maximum Disc Cutter Diameter : 180 mm.
- Total Installed Power : 13 kW / 30A / 400V / 50-60 Hz.
- Air Pressure and Air Consumption : 6-8 Bar. - 50 L/min.



### STANDARD EQUIPMENT

Thanks to the reference points placed at both sides of the machine, it is possible to process double the size of the net machining length. Manually positioned profile clamps. The number of the clamps are 6. The width of the clamps are adjustable and they are also suitable for fixture connection. 7.5 kW 24.000 rpm ISO 30 high speed spindle has an automatic tool changer magazine with 7 positions placed linear at the end of the machine.

Machine enclosure moving up and down automatically following the work cycle.

Pulse spray mist coolant system.

3D CAD-CAM software.

Windows based PC and 21.5" TFT-LED Screen.

### OPTIONAL EQUIPMENT

Y-Axis 370 mm. machining width modification.

Automatic positioning of the clamps moved by the bridge.

Disc cutter 200 mm.

Extra clamping unit manually positioned.

Extra clamping unit automatic positioned.

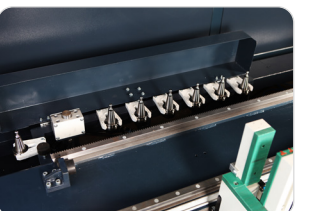
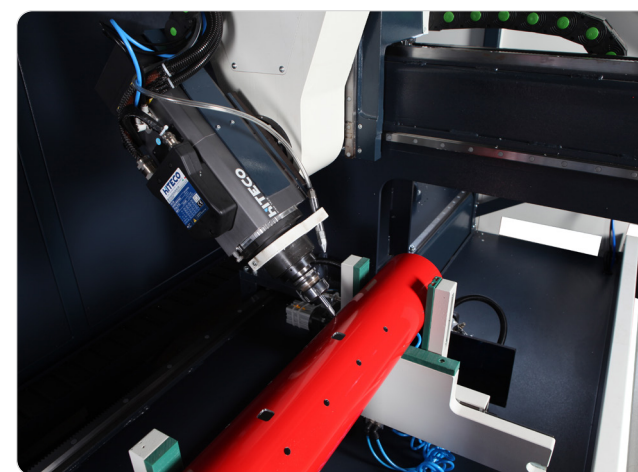
Data import with barcode reader from window production softwares.

Tapping with encoder on the spindle.

Additional tool changer magazine with 15 positions.

8.5 kW 24.000 rpm HSK F63 spindle.

Air conditioning inside the electric panel.

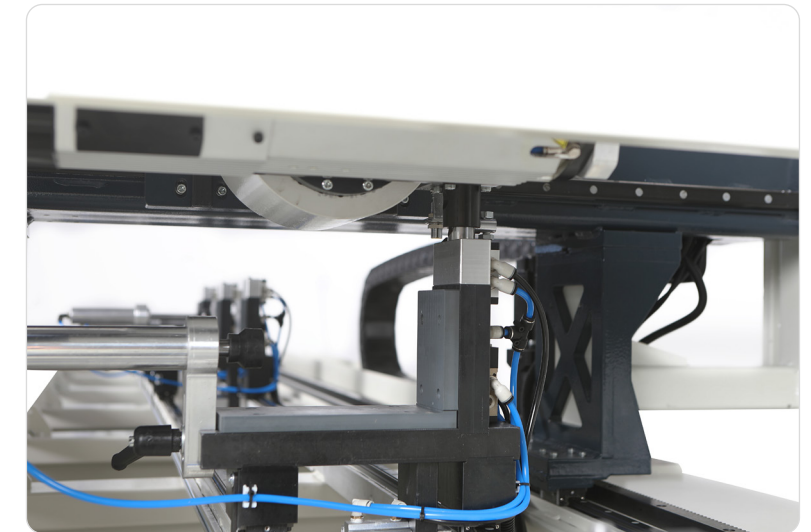




# GreenTech 4M



## 4-AXIS CNC PROFILE MACHINING CENTER



### MACHINE DESCRIPTION

Open body type 4 Axis CNC Profile Machining Center equipped with a high speed spindle that can rotate between 0°-180° independent from the drive, automatic tool changer magazine, profile clamping devices, pneumatic reference pins and 3D programming software.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: 7.0 kW 24.000 rpm adjustable ISO 30 with ceramic bearings, air-cooled. Tilting at any angle between 0°-180°.

Automatic Tool Changing Magazine: Placed on the machine body with 5 positions of standard tools. The 100 mm notching blade is also placed inside.

Axis Information:

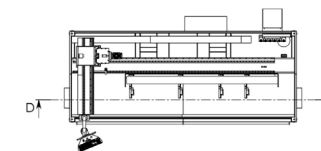
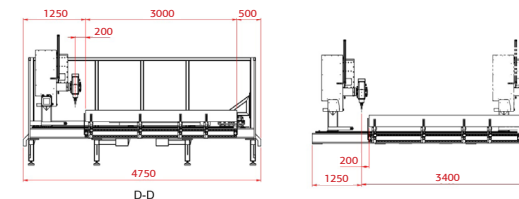
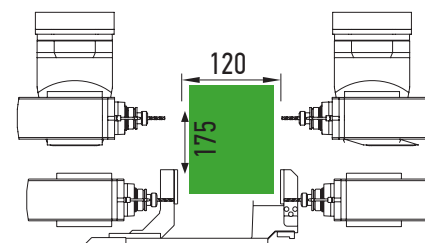
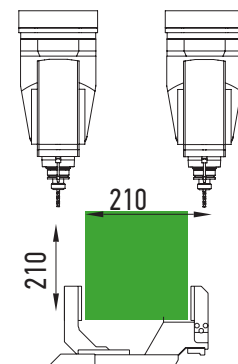
X-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 50 mt./min.

Y-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 50 mt./min.

Z Axis: Servo motor with brake system, moving on ball screw. V/max: 25 mt./min.

A Axis: Servo motor moving on harmonic cycloid reducer with zero backlash.

Profile Machining Length	: 3.040 mm.
Profile Machining Dimension (top & front)	: 210 X 210 mm.
Profile Machining Dimension (top & front & back)	: 120 X 175 mm.
Maximum Tool Length	: 100 mm.
Maximum Tool Diameter	: 12 mm.
Maximum Disc Cutter Diameter	: 100 mm.
Total Installed Power	: 6 kW / 20A / 400V / 50-60 Hz.
Air Pressure and Air Consumption	: 6-8 Bar. - 30 L/min.



2.200 kgs.

### STANDARD EQUIPMENT

Thanks to the reference points placed at both sides of the machine, it is possible to process double the size of the net machining length. Manually positioned profile clamps. The number of the clamps are 4. The width of the clamps are adjustable and they are also suitable for fixture connection. 7.0 kw 24.000 rpm ISO 30 high speed spindle has an automatic tool changer magazine with 5 positions placed linear at the end of the machine.

Machine enclosure moving up and down automatically following the work cycle.

Automatic positioning of the clamps moved by the bridge.

Pulse spray mist coolant system.

3D CAD-CAM software.

Windows based PC and 21.5" TFT-LED Screen.

### OPTIONAL EQUIPMENT

Extra clamping unit manually positioned.

Extra clamping unit automatic positioned.

Data import with barcode reader from window production softwares.

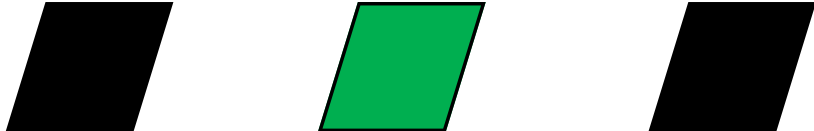
Tapping.

Air conditioning inside the electric panel.





# ***GreenMac***



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