

# MAINTEK CNC



## MINI CNC SERIES

The Best Cost-Efficient CNC Manufacturing Solutions.

Contrary to usual, our mini cnc series is not only focused on hobbies and soft works, moreover we offer professional solutions, able to adapt challenging working conditions, with high performance, high durability and rigid structure.

- Solution-oriented approach with well educated staff,
- High customer satisfaction with after sales services,
- Most economical solutions with high experience and technical know-how.



Specifications are **HUGE**



**Price** is mini



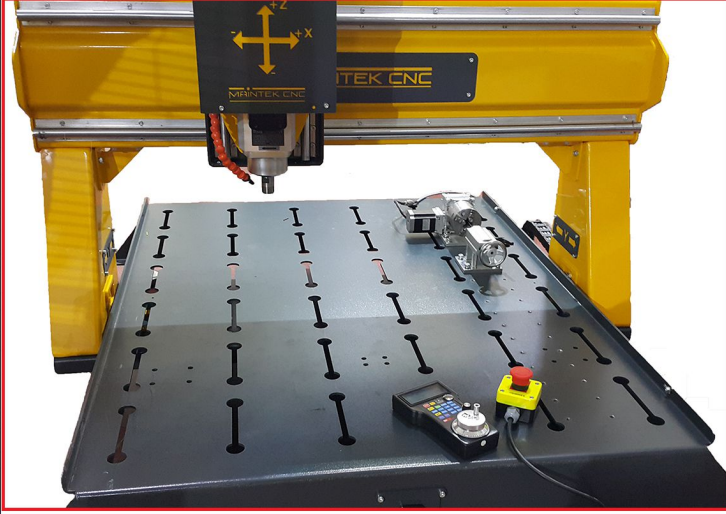
Specifications	Mini 60	Mini 80	Mini 100	Mini 120	Mini 150
<b>Net Working Area:</b>	600 x 600mm	800 x 800mm	1000 x 1000mm	800 x 1200mm	1000 x 1500mm
<b>Outer Dimensions:</b>	1000 x 1000mm	1200 x 1200mm	1400 x 1400mm	1200 x 1600mm	1400 x 1900mm
<b>Weight:</b>	200kg±%10	220kg±%10	250kg±%10	260kg±%10	300kg±%10
<b>Z-Axis Height:</b>	180mm (Can be enlarged on special request)				
<b>Jog Speed:</b>	3500 mm/minute				
<b>Software Precision:</b>	0,001mm				
<b>Motion Motors:</b>	All Axis Nema23, 2.2Nm Step Motor (Performance Pack: Nema34, 4.5Nm)				
<b>Motion Systems:</b>	X, Y ve Z Axis 1605 Ballscrew (Accuracy Pack, FK and BK Professional Finishing Ball Bearings)				
<b>Mechanical Parts:</b>	X, Y ve Z Axis Continuous Support Roundrail Linear Guide Systems (for X and Y axis 25mm and for Z axis 20mm Dia.) (Power Pack: X, Y ve Z Axis 4 Point, 20mm Linear Rail Guides)				
<b>Body Type:</b>	St52 Steel Sheet, Gantry Design Precision manufacture with laser cutting and puzzle structure Special structure works without vibration (good finishing quality) The table structure permits "Wet Milling" by siphoning the water in the correct direction.				
<b>Table:</b>	Slot table				
<b>Spindle Motor:</b>	0.75kW, 18000rpm veya 24000rpm Manuel Tool Change Spindle Motor 0.75kW inverter (Siemens) (Can be enhanced to 2.2kW)				



<b>Operating System:</b>	PC control with USB Connection (Windows 10 supported)
<b>Software:</b>	Mach3
<b>Safety:</b>	For All Axis, Inductive Limit Switches Emergency Button
<b>Additional Features:</b>	Stylish and ergonomic design with oven paint Dust protection design Unbreakable Cable and Cable Ties With external control panel Easy connection sockets to control panel Stop program in case of power failure All axes can move independently of each other (Simultaneous movement) Powerful adjustable feet Fixture aparats are gift 1 pens and tightening nuts are gift
<b>Manufacturing:</b>	Materials used in our chassis are formed precisely on CNC laser benches from steel sheets. They do not cause any deterioration due to the snap-on construction and provide ease of assembly.  They are quite precise. They are also extremely rigid due to welding spots. Thanks to the design allowing each axis to be mounted independently of each other with right angulation, you can achieve extremely <b>precise machining</b> and <b>excellent surface quality</b> .  Please, do not mix and compare with "CNC machines, manufactured without the necessary mechanical analysis".
<b>Workable Materials:</b>	Solid wood (oak, elm, olive, spruce ...), MDF, MDFlam, Chipboard, Plywood, Plexiglass, Plastics, Acrylic, Polyethylene, Delrin, Peek, Kestamide, Polyamide, Polycarbon, Brass, Copper, Aluminum, Magnesium, Titanium Alloy (Ti-6Al-4V), Sheet Metal, Aluminum Composite Panels, Dekota, XPS and EPS Foam Board, Marble, Granite, Andesite Stone, Carbon Fiber, Fiberglass, Composite Materials, Glass ...
<b>Option List:</b>	Power Pack Performance Pack Accuracy Pack Powerful Spindle Motor (2.2kW, 18000rpm) MDF Vacuum Table 4. Axis Solutions with Sliding Tailstock Dust Collecting Head Cooling Water Entrance Handwheel



## LOOK CLOSER FOR DIFFERENCES OF MAINTEK CNC MINI SERIES

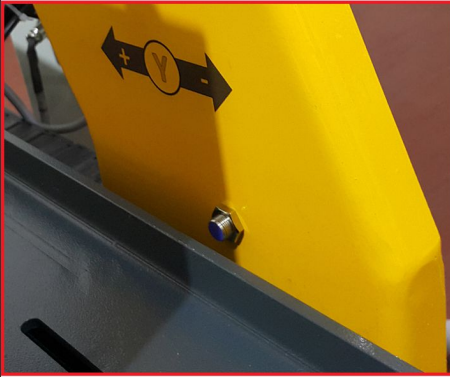


With rigid body structure and wide working area, we are able to meet your needs.

With ergonomic design and table construction have never been so easy to mill.

Simple installation and easy transport, with easy connection sockets.

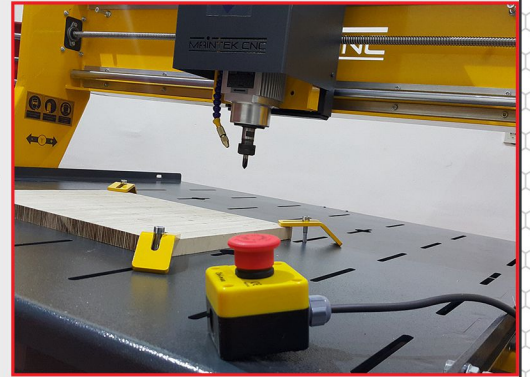
We provide high-level protection standards for the safety of both you and CNC.



With inductive sensors located on the axes, you can use CNC without the risk of impact in axis movements.

You can also make precise machine references with sensors.

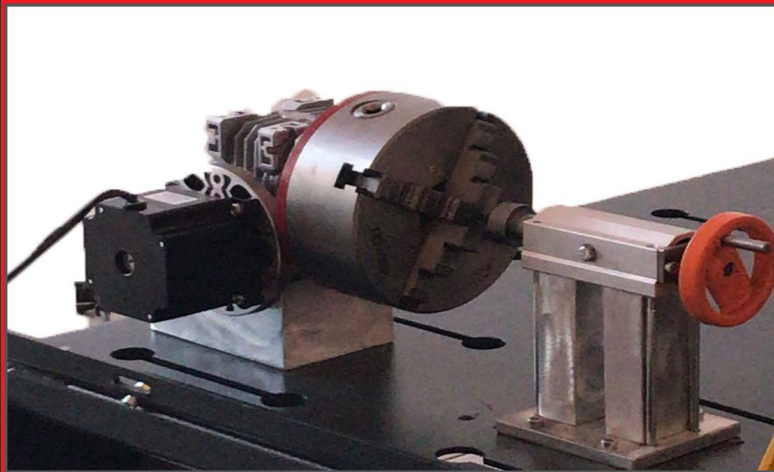
The Emergency Stop button is at your fingertips. You can safely stop CNC machine in case of danger.



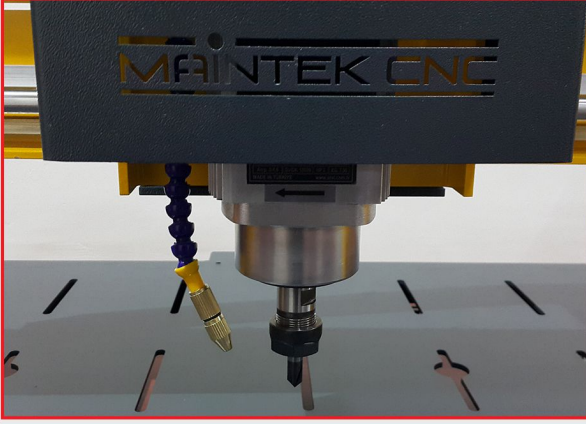
You can mill cylindrical objects or large surfaces with detachable 4-axis.

We offer high holding torque with powerful motor and low-gap reducer.

You can place long pieces quickly and miterily with sliding tailstock.







Mill easily stones, such as marble and granite, with liquid cooling feature. Extend surface quality and blade life in materials such as aluminum and titanium.

Control the MDF and wood chips with dust protection cage without spreading. Do not risk your health, prolong machine life.

Start using your CNC right away.  
8 piece clamping shoe,  
1 engraving cutter,  
1 pens and pens nut,  
2 spanner,  
And the training CD,  
Given together with Mini CNC.



With Maintek CNC interface, the use of device is now much more simple.

At challenging situations, we are with you by remote access.

You can take 1 day face to face cad-cam training service while receiving machine. With these quick start, you can get productivity from the CNC in a short time.

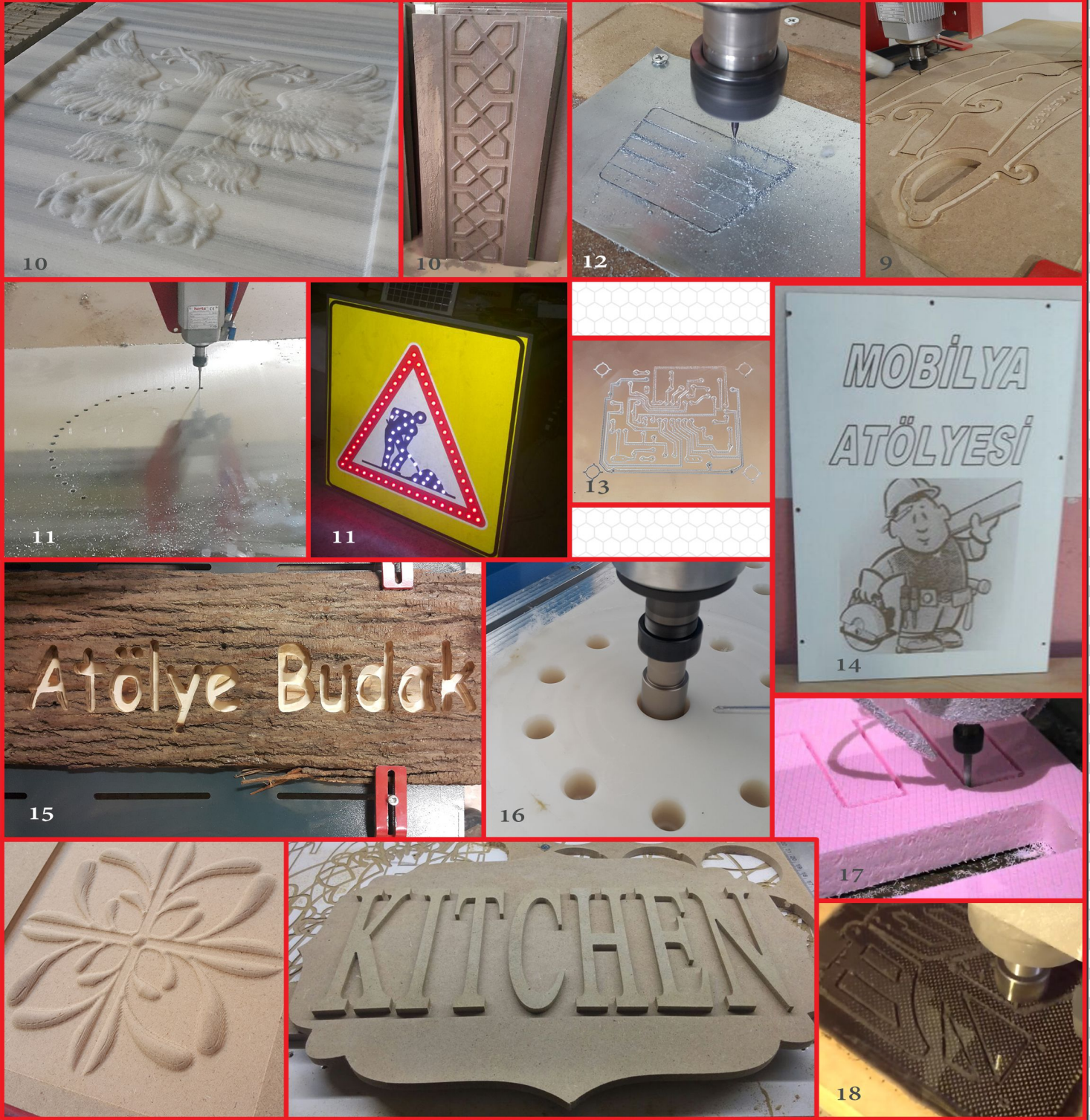




- Educational Purposes
- Technology Research
- Molding Processes
- Furniture Workshops
- Art Creation and Design Studios
- Aircraft and RC Model parts
- Building Model Making

- Student Projects
- PCB Engraving
- CNC Milling
- Advertising Design
- Crafts
- Hobby Purposes
- Stone works

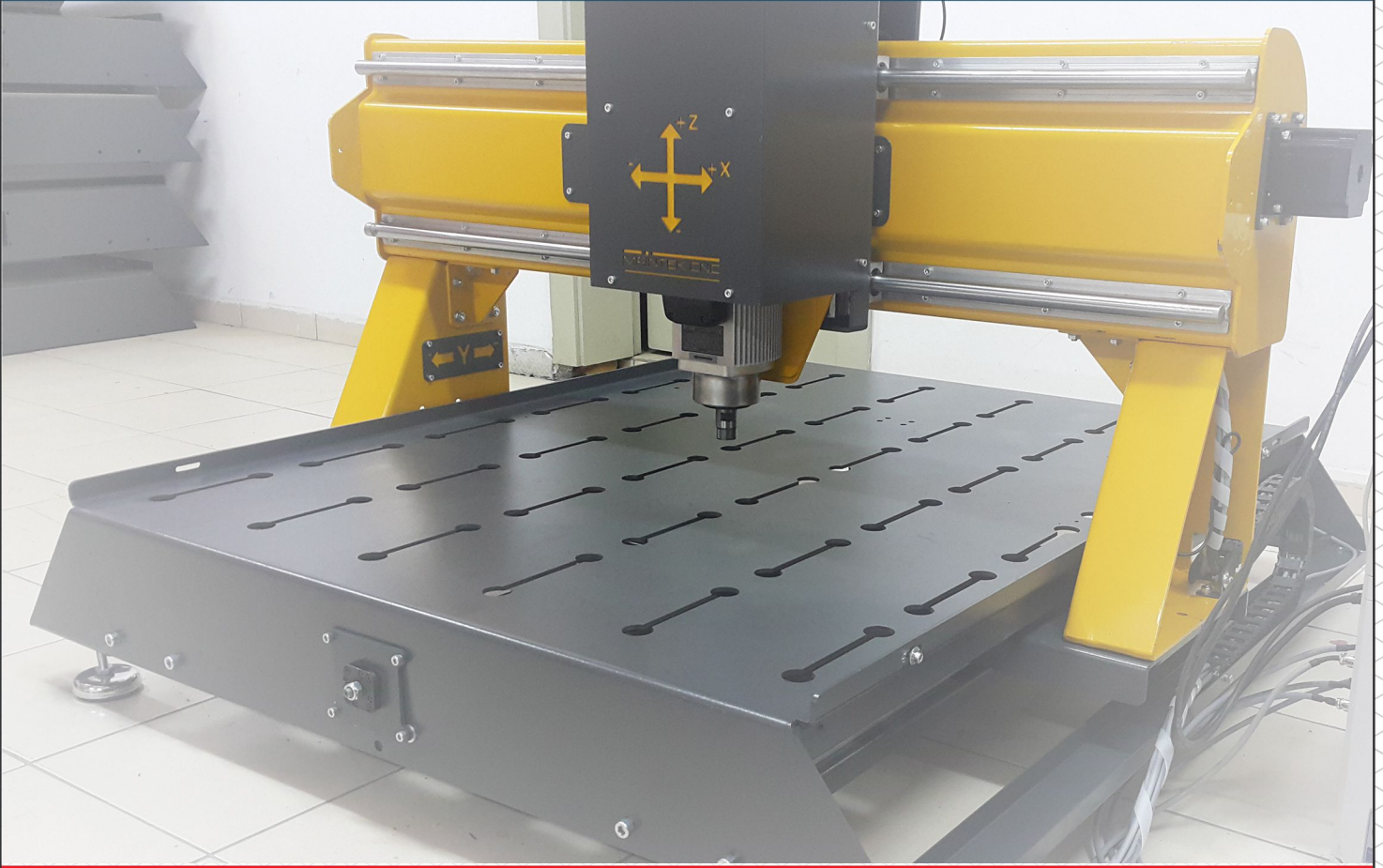




- 1) Seminar and CNC Training, TC Dumlupınar Üniversitesi, Tavşanlı MYO, Kütahya
- 2) Aluminum Table Processing, Odak Kompozit, Ankara
- 3) Ti<sub>6</sub>Al<sub>4</sub>V Implant Processing, İstanbul
- 4) 4. Axis Test, Ankara
- 5) 4. Axis Test, Ankara
- 6) Wood Character Design, Harfagram, Alanya
- 7) Various Plexi Figures, İzmit
- 8) Kestamid Bearing Bed Milling, Ankara
- 9) Organic Wood Toys, Bursa
- 10) Marble and Natural Stone Processing, Güre Mermer, Ankara
- 11) Plate Milling, SB Trafik, Ostim
- 12) Zinc Milling with 0.5mm Cutter, Elazığ
- 13) PCB Engraving, İzmit
- 14) Education Purposes, Simav Ö.M.Eğitim Lisesi, Kütahya
- 15) Art Creations, Ankara
- 16) Delrin Milling, Ussan Soğutma, İstanbul
- 17) Cutting of XPS Decor, Mersin
- 18) Example of Carbonfiber Milling, Ankara



# MAINTEK CNC



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