



# ANDROUTSOS MACHINERY

Machine Constructions

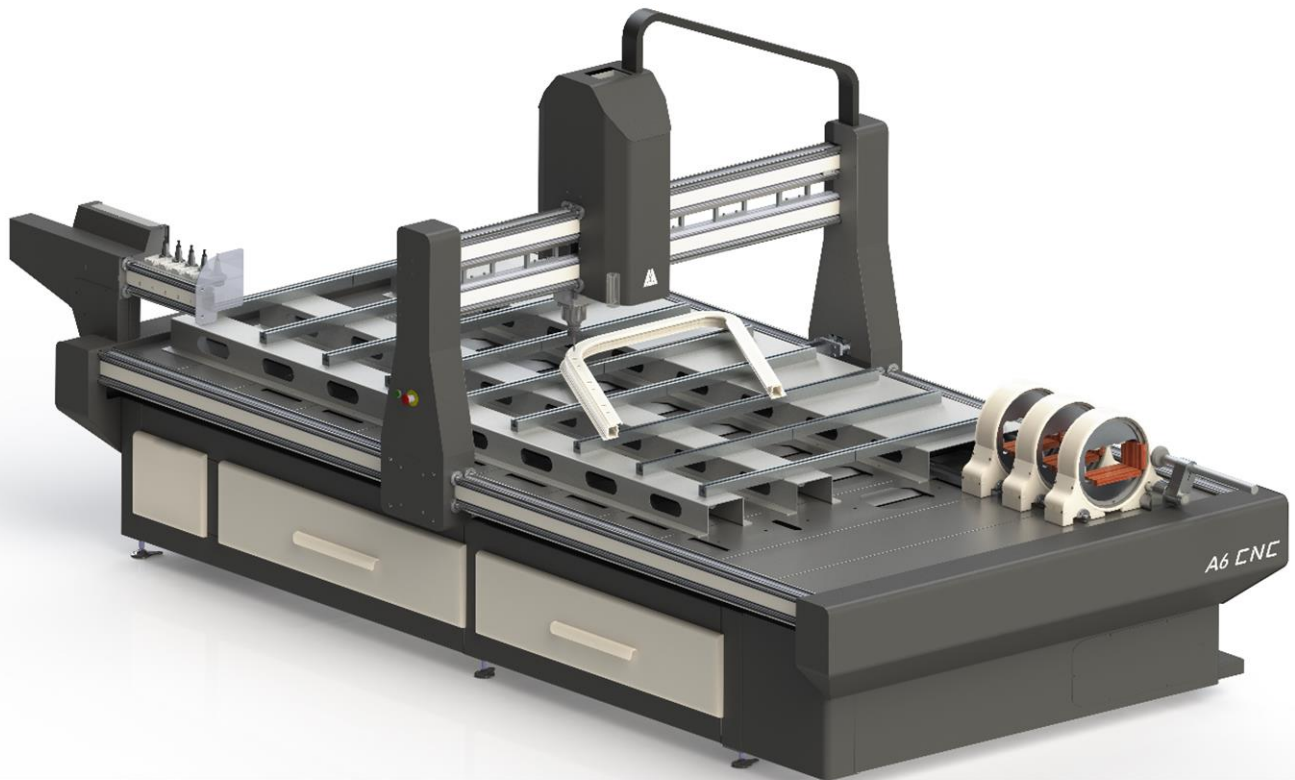
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## 4 AXIS CNC MILLING MACHINE – CAMERA EDITION



This is a CNC milling machine suitable for processing materials such as aluminum, wood, plastic and other soft materials. It comes with a flat Worktable with 4 axes of synchronized movement (X, Y, Z, A) and with three pneumatic rotating clamps for machining aluminum profile frames.

This CNC machine operates without the need for technical drawings or G-code knowledge.

It is equipped with a camera and specialized software, capable of locating circles and then capturing their center points to make the drills needed.

It is extremely useful for applications that require many drill holes on different odd shapes (e.g. a curved aluminum profile) making it difficult to create drawings from CAD or CAM software.

The procedure of each drilling job execution is simple and fast aiming to increase your productivity.

After the workpiece is clamped on the Worktable, a special rubber strip with integrated circular pins in the appropriate positions is manually applied on it.

At this point the CNC head approaches the first circular pin, and the circle scanning begins.

During the scanning process, the software records a G-Code file ready to be executed for the workpiece drilling.

<b>Technical specifications</b>	
Working Area (X×Y×Z)	3,500mm × 1,500mm × 300mm
Worktable Dimensions	3,000mm × 1,500mm
Maximum profile dimension on rotating clamps	100mm × 220mm
Driving mode	Rack & Pinion
Processing accuracy	± 0.1mm
Actual Accuracy:	± 0.05mm
Maximum speed along the X, Y and Z axes:	25,000 mm / min
Machining Speed	3,000 – 24,000 RPM
Average time for one hole locating and drilling	1 min
Supply Voltage	3-phase 400V / 50Hz
Total Power	6KW
Total weight	1000 Kg
ATC (Auto Tool Change) spindle motor 4.6 KW with pneumatic system for quick changing of cutting tools	
Tool magazine storing up to 5 tools and automatic tool change (5 Collets - ISO 30)	
Cutting tool length setter	
Ethernet communication with PC in Windows 10	
Built in 2 + 1 axis CAM program (EasyCAM 2), driven via file (.dxf)	
Controller designed for Industrial Use (EMC/Safety)	
Wired CNC pendant with handwheel for remote operation	
Equipped with special cables to block interference (EM) and ensure and ensure resistance to continuous movement	
24V DC circuits with short circuit protection at Inputs/Outputs	

**Notes:**

- *The above machine is manufactured by the Greek company Androutsos N. & G. Inc, it is technologically advanced, brand new and complies with the CE safety regulations.*
- *Contact us about your interest in our products and discuss the specifics of your own application.*