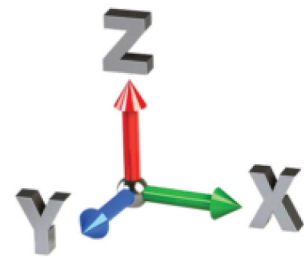




RK-609-ECO

CNC ROUTER

PROFESSIONAL MACHINE FOR WORKSHOPS
WITH LIMITED SPACE



**1 YEAR WARRANTY
AND UNLIMITED SUPPORT**

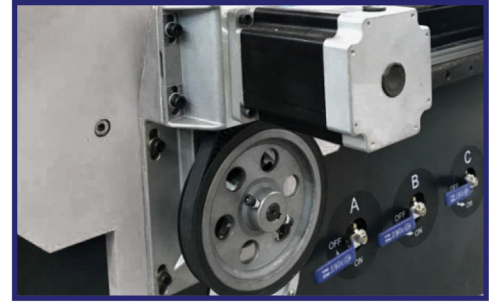
Working size	600×900×100mm
Spindle	1.5kW water cooling spindle
Motor	Stepper motor
Control system	NC Studio
Driven system	Taiwan Linear guide and rails, X,Y,Z axis Taiwan TBI ball screw
Working table	Frame structure, T-Slot working table
Machine bed	Iron casting structure
Max. speed	≥15m/min
Spindle speed	6000-24000rpm/min
Voltage	220V 60Hz
Software	ARTCAM/Ucancam
Lubrication system	Manual oil lubrication system
Machine size	1304x1100x1500mm
Weight	250kg

MODERN FACTORY WITH STRICT QUALITY CONTROLS



Stepper motors

Installed on each unit for movement along all axes, they ensure precise positioning of the portal and spindle in accordance with a given program. The torque from the electric motor is transmitted to the drive gears, as well as to the ball screw, through a belt reducer, which in turn provides the necessary reduction ratio and the required force.



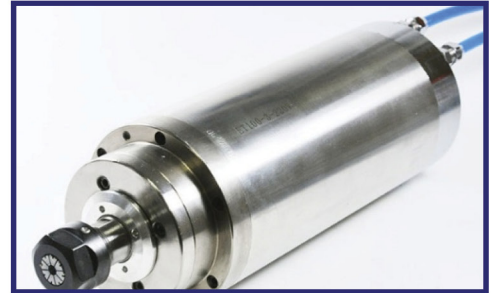
High precision prismatic guides with XYZ bearings

The movements of the portal (Y axis) and the spindle platform (X/Y axis) are carried out along high-precision prismatic guides. This ensures high processing accuracy and durability of the machine without loss of precision parameters. Each bearing has a build-in grease fitting for routine maintenance.



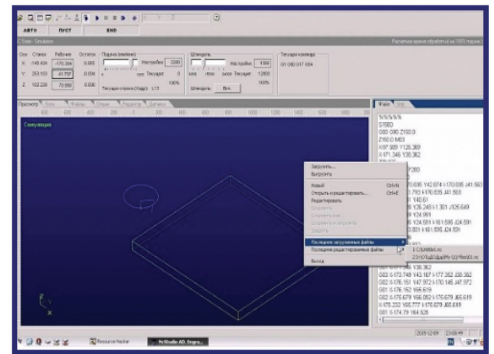
Liquid-cooled industrial electric spindle (1.5kW - 24,000rpm)

The design of this spindle is created in such a way that the heat generated during its operation is removed through a coolant fluid. The coolant can be water or other liquids (antifreeze). The rotation speed (24,000 rpm) and power (3.2kW) makes it possible to process parts made of wood, plywood, as well as chipboard, MDF, plastic, acrylic glass and other materials. The tool in the spindle is replaced manually using a special key.



Machine control system NC Studio

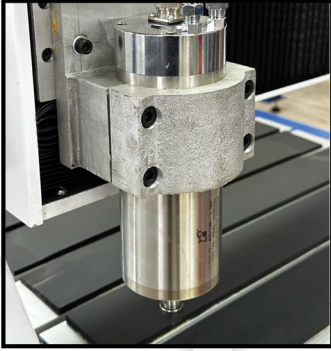
To control the operation of the machine, a CNC rack simulator system is installed, complete with a controller, cable and control board. The system is widely known to many users around the world, is simple and easy to use and has proven itself on machines with manual and semi-automatic tool changing. NC-Studio software, installed on a computer using a controller, visualizes and provides automatic control of high-grade processing. The system uses standard G-codes, which allows you to create processing programs using various popular software products: ArtCam, Type3, SolidWorks, PowerMill, BeCad, Basis-Meb-elshchik, K-3 Furniture.



*To use the system, you need a personal computer with a slot for a PCI card, as well as a monitor, keyboard and mouse.



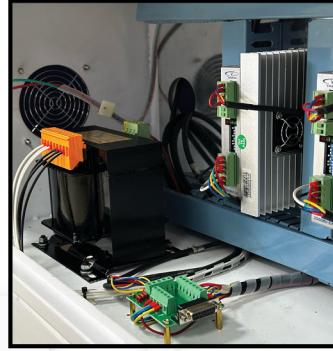
DETAILS



1.5kW Spindle
water cooling



Fuling inverter



Yako stepper driver



Manual oil lubrication
system



NC Studio control system



Limit switch



Stepper motor



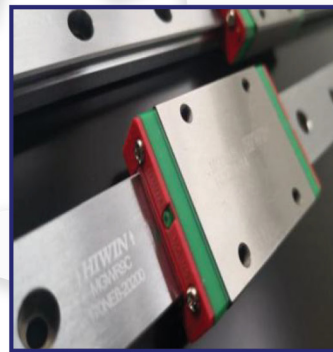
Z-axis TBI ball screw



Tool box



Cable



Taiwan linear guide and
rails



Packing

SAMPLES

