





hieve unparalleled precision with our wanced 5-Axis milling technology. The S500 sures meticulous detail and perfect results, ery time.



nch Touch Display

te through intuitive workflows ssly on the high-resolution 8-inch touch . No need for a computer—just plug in a ive and get started immediately.



Robust Cast Aluminum Body
Constructed with cast aluminum, the \$500
minimizes vibrations and enhances stability,
providing reliable performance even for the
most demanding tasks.



Auto-Calibration

odbye to complex and time-consuming tion. Our streamlined auto-calibration s saves you time and simplifies your ow, allowing you to focus on what truly



High-Performance
The integrated 12-tool gauge delivers lightningfast manufacturing, ensuring a seamless and
efficient production experience.



Versatile Connectivity
Connect effortlessly via the RJ45 connector
for remote control or integrate with a
vacuum cleaner for automatic cleaning. The
SS00 adapts to your needs, enhancing your
operational efficiency.

Tool library 12 tools, Integrated tool gauge Conditions

Specifications

Basic Information			
Method	Dry milling		
Material	Zirconium, wax, PMMA, composite material and soft metal size:98.5mm Secondary clamp(optional)		
Structure	Solid cast aluminum body		
Case	Steel plate, medical white high-gloss paint, working hatch, accessory drawer		
Axis	5 axis		
Linear axis X/Y/ Z	Precision ball screw, precision guide rail, repeat accuracy ±5µm precision motor travel, X/Y/Z: 176/134/100mm		
Axis of rotation A/B	Precision motor, precision harmonic reducer, repeat accuracy±0.01* A axis:±32° B axis:±360°		
Control system	Integrated FPGA high-speed parallel processing command, equipped with a real-time operating system that supports standard G command (RSZPAG) and extended commands. Integrated frequency converters for synchronous and asynchronous motors, make it more flexible and more compatible. Support multiple analog and digital IO.		
LED	Multiple LED color indicator Ready&Milling (White) Finshed milling(Green) / Error(Red)		
Spindle			

800W(5S, Pmax), 450W(S1) High speed ceramic ball b Eccentricity<3um Suitable for Shank diameter 4 50mm length milling burs

		Data interface	RJ45 Ethernet interface, 10/100M self-	
se	Steel plate, medical white high-gloss	Data interrace	adaptive, required for networking.	
	paint, working hatch, accessory drawer	Temperature	10-45° C	
is	5 axis	Humidity	80% relative humidity, non-condensing	
ear axis X/Y/	Precision ball screw, precision guide rail, repeat accuracy ±5µm precision motor travel, X/Y/Z: 176/134/100mm	Certification		
is of rotation	Precision motor, precision harmonic	CE & FCC		
	reducer, repeat accuracy±0.01° A axis:±32° B axis:±360°	Size & Weight		
ntrol system	57 N. BONDON N. BURNON	Product Size	L*W*H 495mm*593mm*627mm	
	Integrated FPGA high-speed parallel processing command, equipped with a real-time operating system	Product Weight	71 kg	
	that supports standard G command	Package Size	L*W*H 730mm*620mm*900mm	
	(RS274X) and extended commands. Integratied frequency converters for synchronous and asynchronous motors, make it more flexible and more	Package Weight	94Kg	
	compatible. Support multiple analog and digital IO.	Accessories		
	Multiple LED color indicator Ready&Milling (White) Finshed	САМ	Support Millbox, Hyperdent, WorkNC and GO2CAM.	
ь	milling(Green) / Error(Red)			
ndle				
gular	High-frequency asynchronous spindle, tool change without air (do not rotate during tool changing).			