



\*Above photo is for your reference only, final machine appearance will depend on its optional devices.

### SPECIFICATIONS

MODEL NO.& DESCRIPTION		Q'ty	Remarks
<b>BWM-C5102AE (Centek - 5'X10' table - 2 spindle – ATC)</b>			Please confirm the electricity required on this machine while place order.
<b>Moving bridge Type CNC Machining Center</b>			
<b>** Machine specification</b>			
- Table size	: 1550×3050mm(5x10ft)	1 pc	
- Working height	: Max.200 mm		
- Rapid speed	X&Y : 60 m/min		
	Z Axis : 20 m/min		
- Spindle type	: ATC Air cooling (HSD)		
- Spindle speed	: 1000 – 24000 RPM		
- Tool change mode	: DRUM type ATC, 8 stations, with Aluminum alloy tool grippers	2 set	
- Spindle power & Q'ty	: 12HP(9w)	2 pc	
- Vacuum pump power	: 15 HP (11.25kw)	1 set	
- CNC controller	: OSAI 10/510S	1 set	
- Tool holder for router bits	: ISO-30	8 pc	
- Collect for router bits, ER-32	: $\phi$ 12 mm	4 pc	
	: $\phi$ 16 mm	4 pc	
- Table reference fence	: Positioning air cylinder	4 pc	
- C axis	: Tool Rotate Mechanism	2 set	
- vacuum zone :		one	
- Tool kits, Operation Manual		1 set	
- Packing		Pallet	

#### **Machine Base Structure:**

Use the latest advanced 3D CAD structural analysis system for optimum designs. The base structure is well-ribbed, the rugged steel column is built in machine gantry, plus the tempered & stress relieved & annealed solid welded machine frame, provide the best performance on this machine for product machining.

**Driving System:**

AC drivers and servo motors from well-known brand YASKAWA, JAPAN. Work with high-precision grounded ball rail system & high-precision ball screws in main axis directions, provides a perfect moving system on this machine.

**Main Spindle: (ISO 30. rotate clockwise & counterclockwise)**

The world top one brand HSD (Optima) Spindle is furnished in this machine. This spindle is made in Italy with Germany high-precision bearing, 6" big size electric fan & compressed air cooling system, high-precision oil-air mist lubrication device for spindle lubrication & cooling, max speed 24000 rpm, drum type ATC tool magazine with 8 tools capacity for tool changing in any positions while working. (Ps. Manual tool change models do not have drum type ATC tool magazine. )

**Control System: ITALY OSAI-10/510S controller**

PC based controller with windows working interface, LCD screen, USB plug-in, Network transmission function. This is the current fastest controller in the world for woodworking CNC Routers.

**CAD/CAM Software: (optional)**

Due to different requirements from the customers, we don't offer any CAD/CAM software to be standard with BOARKE CNC Routers. Be-Cam software and Alpha-Cam software are available upon request for extra charge. (Please specify the edition while requesting.)

**Other important components information:**

PMI (or HIWIN) ball screw, PMI guide ways, DELTA inverter, Z axis with break device, SHAKO cylinder, ATLANA racks and pinions, and transformer with controller are all included in all models of BOARKE CNC Routers.

**Guarantee:**











One year guarantee from the delivery date of this machine under the normal operation of one shift per day. Wearing parts are not included.

**Installation and training: (optional)**

The round-trip transportation, meals and accommodations shall be borne by the buyer. And the installation charge will be US\$300/day/person.

(Ps. 3-day operation training on site in BOARKE Machine Co., Ltd. Taiwan included free for charge.)

**Mechanism Photos:**

<p>Precision Bevel Gear Transmission Mechanism</p> <ul style="list-style-type: none"> <li>● Features maximum stability and no noise. Rapid traverse rate of up to 60m/min.</li> </ul>			
<p>Rotation Type Ball Screw / Nut</p> <ul style="list-style-type: none"> <li>●</li> <li>● Features maximum stability and no noise. Rapid traverse rate is up to 60m/min.</li> </ul>			
<p>OSAI CNC Controller + PC</p> <ul style="list-style-type: none"> <li>● WINDOWS Operating System</li> <li>● LCD Monitor</li> <li>● Pentium 4 Processor</li> <li>● With Keyboard and Mouse</li> <li>● With 2 USB Ports</li> </ul>			
<p>ATC</p> <ul style="list-style-type: none"> <li>● 8 Stations Auto Tool Change System (aluminum alloy tool grippers)</li> </ul>			
<p>Vacuum Suction System</p> <ul style="list-style-type: none"> <li>● Equipped with precision filter and check valve vacuum system ensuring long service life of pump.</li> <li>● Great air exhaust capacity provides instant and secure suction on the workpiece.</li> </ul>			
<p>Vacuum Suction Table</p> <ul style="list-style-type: none"> <li>● Special groove design vacuum table keeps stripes of foam rubber from falling off when board sheets move on the table. Also the fixing vacuum table may function by collocating moving vacuum pads.</li> </ul>			
<p>Precision Spindle</p> <ul style="list-style-type: none"> <li>● The spindle runs in ceramic bearings feature high temperature resistance, heavy duty machining, high speed and lubrication free.</li> </ul>			
<p>C Axis – Tool rotate mechanism</p>			
<p><b>OPTIONAL DEVICES</b></p>			
<p>ATS- Horizontal Side Sawing Head</p>		<p>ATRS – Horizontal Side Milling and Sawing Head.</p>	

✧ For reference video, please visit [www.youtube.com/boarkemachine](http://www.youtube.com/boarkemachine)