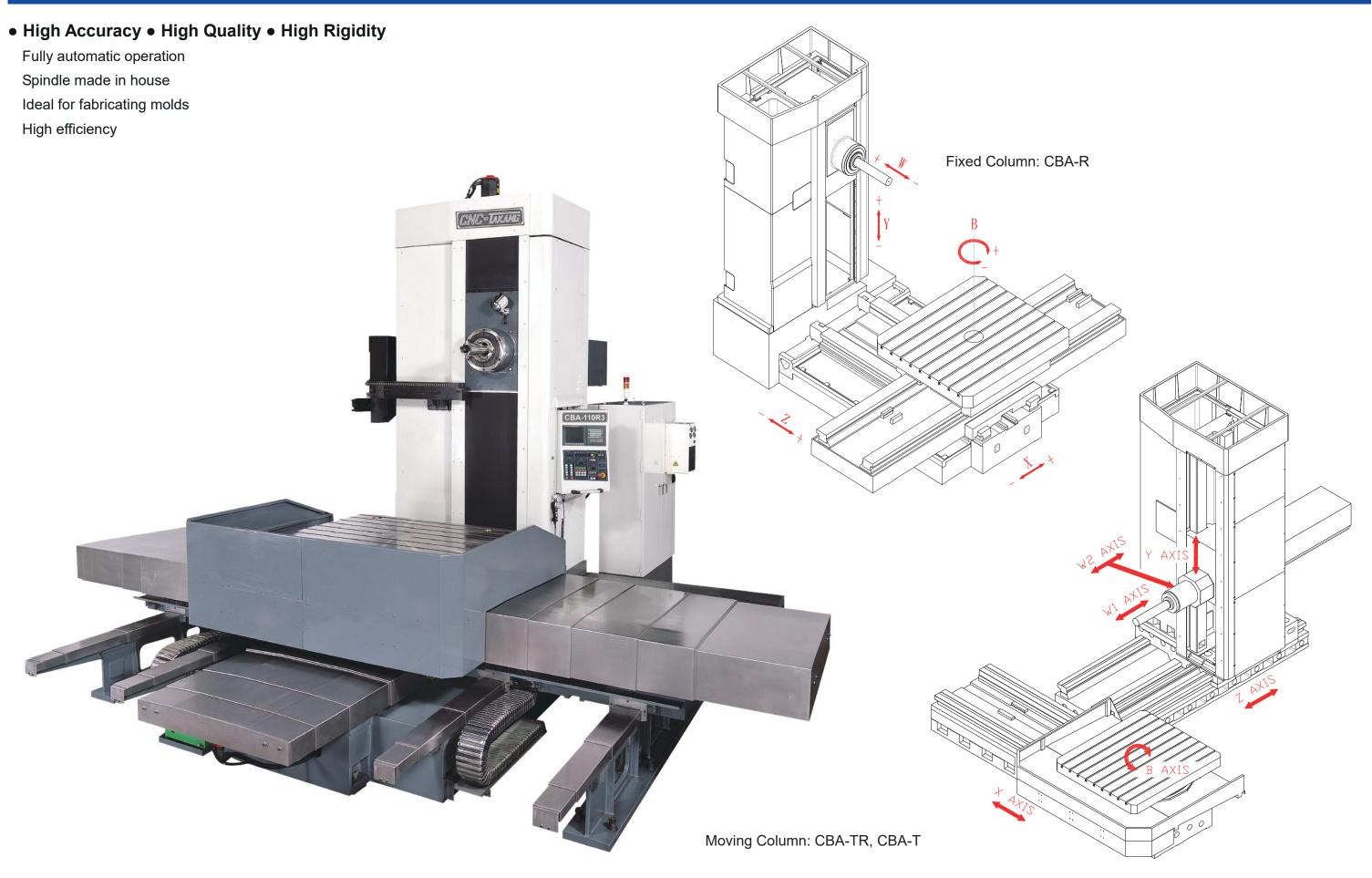


CNC-TAKANG

CNC-TAKANG CO., LTD.
MANUFACTURER & EXPORTER

CBA Series CBA Series



3

CBA Series CBA Series

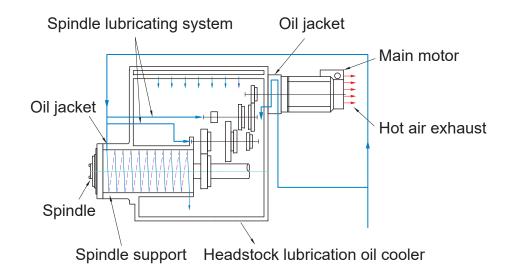
Features

High productivity

The AC digital wrap around spindle drive and motor are more accurate and responsive than traditional analog spindle drives and motors.

The spindle performance is continuously monitored to provide the most efficient cutting conditions.

Each axis is independently controlled to provide maximum feed as required.









CBA Series box way

These highly rigid box way structures give you the very best machine durability. The material is high-frequency-heat-treat for stress relief.

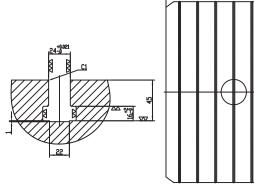
The 4-in-1 design for CBA-110R and CBA-110R2 bed slide ways enhance the cutting capabilities in the Z-axis.

Rotary table

This special combination of highly rigid box ways, ball screws, and worm gear automatic lubrication system provides a highly satisfying compact rotary table design.

With the Heidenhain angle encoder installed in the rotary table center shaft, combined with our specially designed hydraulic clamping system and positioning index pins, our machines can achieve any cutting angle. Reinforced heavy cutting angles at 0°, 90°, 180° and 270° are included features.

Hence resulting in superior accuracy and cutting efficiency.









Ease of operation

Fanuc, Siemens, and Heidenhain control panels are available options. These value added features will enhance your working capability, efficiency, and much more.

We are sure that you will be very satisfied with the high level of quality and Improved machine performance.

High precision slide ways

Our auto grease lubricating system provides several advantages for the overall machine capability. It not only maintains high accuracy during the long working hours, but also functions perfectly with low speed machining.

The high precision ball screw axis transmission provides superior machine stability resulting in highly accurate work pieces.



The CBA-110R3 provides 2 additional linear slide ways to enhance durability and eliminate unwanted deflection.

This significantly improves machine cutting accuracy.

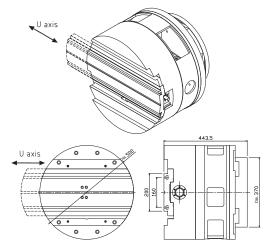




CBA Series

CBA-110

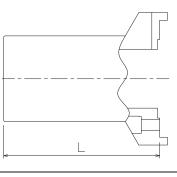
Face plate FH-500



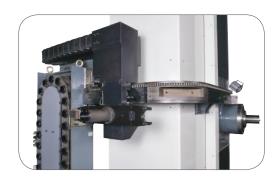
U axis travel: 160mm

Automatic tool changer (Optional accessories)					
Tool capacity 24 / 32 / 40 / 60					
Tool shank	MAS 403 BT-50				
Pull stud MAS 403 P50T-1					
Tool weight	25 kg				
Max. tool length	300 mm				
Max. tool diameter Dia. 125 mm (Dia. 250 mm)					

Spindle support

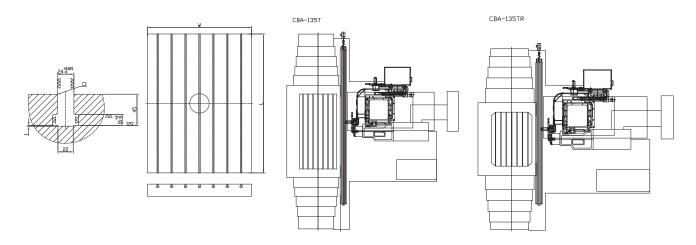


Length (mm)				
200	300			



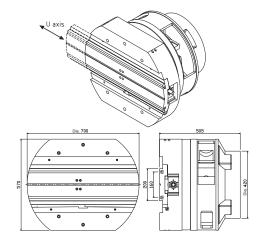
CBA-135

Work table (Optional accessories)							
Table dimension	mm	1500 x 2000	1500 x 3000	1500 x 4000			
T-slot	ot mm x No.		24 x 9	24 x 9	24 x 9		
Max. loading weight kg		8,500	10,500	12,500	12,500		



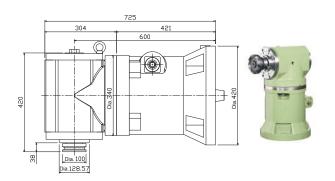
CBA-135

Face plate FH-700



U axis travel : 240mm

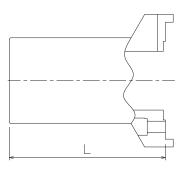
Angular milling head



Spindle rotation speed 1000 rpm

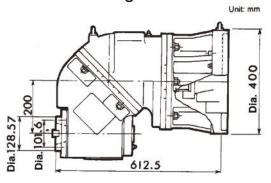
Model: A50	
Spindle tapper	ISO No. 50
Max. utter diameter	8 inch

Spindle support



Length (mm)				
220	300			

Universal milling head



Spindle rotation speed 3 ~ 200 rpm

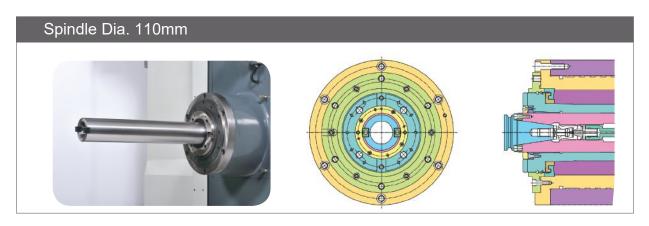
Model: U50	
Spindle tapper	ISO No. 50
Max. utter diameter	8 inch

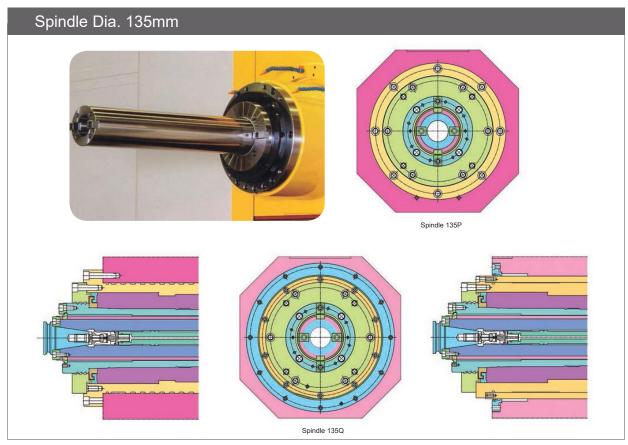
Automatic tool changer (Optional accessories)				
Tool capacity 24 / 32 / 40 / 60				
Tool shank	MAS 403 BT-50			
Pull stud	MAS 403 P50T-1			
Tool weight	25 kg			
Max. tool length	300 mm			
Max. tool diameter	Dia. 125 mm (Dia. 250 mm)			











Power spindle

The specially designed spindle outer ring cooling system maintains constant bearing accuracy under normal operating conditions.

This gear type auto-shift design and grease lubrication system also provides superior machine performance and reliability.

The spindle and boring bar are made of SACM645 alloy.

The spindle has been Nitrided to HRC62~68.

This hardness maintains spindle form and insures high reliability.

This increased rigidity increases the overall machine capability.

We use the very highest quality spindle Bearings from SKF and NSK.

These high quality bearings insure machine consistency and a longer machine life.

CBA Series

SPECIFICATIONS

TABLE TYPE				CBA-110R	CBA-110R2	CBA-110R3	
	Main motor (cont.	/ 30 min)	kw	18 / 22			
	Spindle speed (Ma	ax.)	rpm	5 – 2000			
	Spindle tapper			ISO 50 / BT-50			
Spindle	Spindle diameter		mm	Dia. 110			
	Spindle end diame	eter	mm	Dia. 215			
	Max. spindle torqu	ie	Nm	1245			
	Max. spindle thrus	st .	N	19600			
	Work table travel 2	X axis (Horizontal)	mm	1500	2000	3000	
Tanada	Spindle travel Y as	xis (Vertical)	mm	1500	1800	2000	
Travel	Spindle travel Z ax	xis (Vertical)	mm	1100	1300	1500	
	Spindle travel W a	ixis	mm	600			
	Table dimension		mm	1250 x 1400	1400 x 1600	1600 x 1800	
	T-slot		mm x No.	22 x 7	22 x 9	22 x 9	
	Max. loading weight		kg	6500	8500	10000	
Rotary table	Index		degree	0.001°			
	Max. rotation		mm	1877	2126	2408	
	Table rotation speed		rpm	0.8			
	Max. table thrust		N	6480			
	Rapid feed	XYZW axis	mm / min	XYZ axis = 10000 / W axis = 3000			
Feed	Food voto	X/Y/Zaxis	mm / min	1 – 5000			
	Feed rate	W axis	mm / min		1 – 3000		
	Power capacity Machine dimension		KVA	80 100			
			mm	5100 x 8350 x 4300	5400 x 8350 x 4800	6350 x 8900 x 4800	
	Machine weight		kg	26000 29000 32000		32000	
Controller				Fanuc / Siemens / Heidenhain			

THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

■ STANDARD ACCESSORIES:

- 1. Tools and tool box
- 2. Foundation screws and bolts 9. Z axis dust cover
- 3. Spindle oil cooler
- 4. Spindle box vertical movement counter weight
- 5. Work lamp
- 6. Electronic cabinet cooler
- 7. X axis dust cover

- 8. Y axis dust cover
- 10. MPG

(manual pause generator) 4. Spindle support

- 11. Automatic lubrication system
- 12. Screw chip conveyor
- 13. Steel belt chip conveyor with cart

■ OPTIONS:

- 1. ATC (automatic tool changer)
- 2. Coolant through spindle
- 3. Linear scale
- 5. Face plate
- 6. Transformer
- 7. Splash guard for rotary table
- 8. Splash guard for operator
- 9. Work piece measuring device

CBA Series

SPECIFICATIONS

T - TYPE				CBA-135TR	CBA-135TR2	CBA-135TR3	CBA-135TR4		
	Main motor (co	nt. / 30 min)	kw	AC 37 / 45					
	Spindle speed	Spindle speed (Max.)		P:5-2000, Q:5-1200 (P:w/o Quill Q: Quill)					
	Spindle tapper			ISO 50 / BT-50					
	Spindle diamet	er	mm		Dia.	135			
Spindle	Spindle end dia	meter	mm		Dia. 215				
	Quill diameter		mm	Dia. 380					
	Max. spindle to	rque	Nm	2154					
	Max. spindle th	rust	N		29400				
	Work table trav	el X axis (Horizontal)	mm	1500	2000	3000	4000		
	Spindle travel Y	axis (Vertical)	mm	1500	1800	2300	2800		
Tanad	Column moving	travel Z axis (Vertical)		1100	1100	1400	1700		
Travel	Spindle travel W axis		mm	700					
	Quill travel W2 axis		mm	350					
	Total spindle tra	avel (W1 + W2)		1050					
	Table dimension		mm	1250 x 1400	1400 x 1600	1600 x 1800	1800 x 2000		
	T-slot		mm x No.	22 x 7	22 x 9	22 x 9	22 x 9		
	Max. loading weight		kg	6500	8500	10000	12000		
Rotary table	Index		degree	0.001°			10		
	Max. rotation dimension		mm	1877	2126	2408	2691		
	Table rotation speed		rpm	0.8					
	Max. table thrust		N	6480 1960			19600		
	Rapid feed	XYZW1 axis	mm / min	XY axi	s = 8000 / W1 axi	s = 3000 / Z axis	= 5000		
Feed	Feed rate	X/Y/Z axis	mm / min	1 – 5000					
reeu		W1 axis	mm / min	1 – 3000					
	Quill feed rate	W2 axis	mm / min	1 – 1500		1500			
	Power capacity		KVA	110	130	130	140		
	Machine dimension		mm	6750 x 6950 x 4700	6900 x 7100 x 4900	7500 x 7500 x 5500	7580 x 7850 x 5950		
	Machine weight	t control of	kg	38500	49000	54000	56700		
	Controller			Fanuc / Siemens / Heidenhain					

※ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

■ STANDARD ACCESSORIES:

- 1. Tools and tool box
- Foundation screws and bolts
- Spindle oil cooler
- 4. Spindle box vertical movement counter weight
- 5. Work lamp
- 6. Electronic cabinet cooler

- 7. X axis dust cover
- 8. Y axis dust cover
- 9. Z axis dust cover
- 10. MPG
 - (manual pause generator) 4. Spindle support
- 11. Automatic lubrication system
- 12. Screw chip conveyor
- 13. Steel belt chip conveyor with cart

OPTIONS:

- 1. ATC
 - (automatic tool changer)
- 2. Coolant through spindle
- 3. Linear scale
- 5. Face plate
- 6. Transformer
- 7. Splash guard for rotary table
- 8. Splash guard for operator
- 9. Work piece measuring device

CNC-TAKANG CO., LTD.

No. 72, Alley 7, Lane 98, 1st Road, Taichung Industry Park, Taichung 40767, TAIWAN

REDMOND GARY AUST, PTY, LTD. 23 PRODUCTION AVENUE, MOLENDINAR Q. 4214 PHONE: (07) 5594 9844 FAX: (07) 5594 9079