## NIKKEN ROTARY TABLES FOR OKUMA

# OKUMA





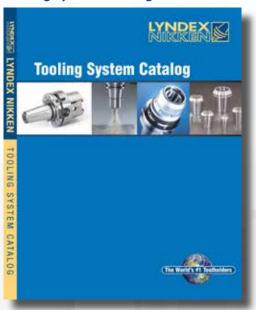
### Contact us for more information on our products lines.

## Okuma Captain Series Lathes Live & Static Tooling Catalog



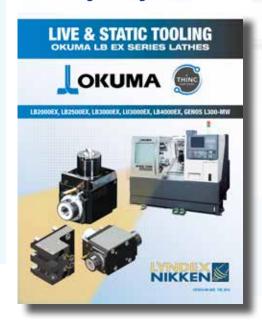
CAT2013-OK-CAP

#### **Tooling System Catalog**



**CAT2011-TC** 

## Okuma LBEX Series Lathes Live Tooling Catalog



CAT2014-OK-LBEX

#### **Taper Plus Catalog**



**CAT2014-TAPERPLUS** 



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## **Nikken Rotary Table Features**



#### Patented Solid Carbide Worm Screw and Heat Treated Steel Worm Wheel

- Hand matched and paired to maintain maximum thread engagement
- Four point bearing support system and eccentric housing structure
- Minimal wear compared to traditional bronze wheel configuration

2.

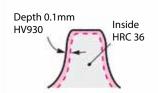
#### LYNDEX-NIKKEN

Nikken's unique design shrink fits the worm wheel onto the solid faceplate and quill body. This along with the hand pairing of the carbide worm screw eliminates backlash.



A much shorter distance from face plate to gear allows for greater torsional forces to be sustained.

The fine pitch of the worm wheel contributes to 4 arc second repeatability.



The material used for the Nikken worm wheel is custom made steel, specially hardened and ion nitrided on the teeth. As a consequence, frictions between the gears are eliminated.

#### OTHER BRANDS

Bolt-on bronze wheel to a two pieces faceplate and quill design. Configuration relies on the malleability of the worm wheel to deform around the shape of the worm screw to eliminate backlash.

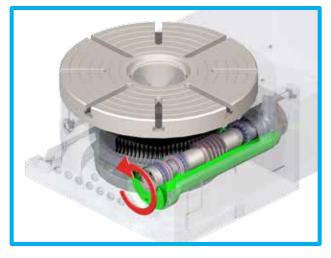


Bolt-on faceplate to quill base

Soft worm wheels wear much quicker, resulting in indexing inaccuracies and unnecessary maintenance.



3.



## Unique Faceplate and Worm Wheel Assembly

- Unique shrunk fit worm wheel design onto solid faceplate and quill body for high precision concentricity
- Shorter distance from faceplate to gear allows for greater torsional forces to be sustained
- Fine pitch contributes to 4 arc second repeatability

4.



## Independent Tubular Thrust and Radial Bearings

- Custom paired and matched for every rotary table
- Provide vibration dampening and internal gear protection
- Extreme rigidity and concentric accuracy from needle roller bearings



## **Okuma Interface Numbers**

"-9" represen	ts interface numl		0 controller only	. Please contact	us with inquiries for	a P200 controller.			
Ma	chine	Interface Number	M460-VE	M560-V	MB-46VA/B	MB56-VA/B	MB-66VA/B	MA-650VB	MA-550VB
Machine	e Option #		661	662	631	632	633	606	605
	CNC180	1467	661-1467-9	662-1467-9	631-1467-9	632-1467-9	-	-	-
	CNC202	1490	661-1490-9	662-1490-9	631-1490-9	632-1490-9	-	-	-
	CNC260	1489	661-1489-9	662-1489-9	631-1489-9	632-1489-9	633-1489-9	606-1489-9	605-1489-9
	CNC302	1491	661-1491-9	662-1491-9	631-1491-9	632-1491-9	633-1491-9	606-1491-9	605-1491-9
(H	CNC321	1474	-	-	-	-	633-1474-9	606-1474-9	605-1474-9
(CHE	CNC401	1488	-	-	-	-	633-1488-9	606-1488-9	605-1488-9
	CNC601	14C9	-	-	-	-	-	-	-
	CNCB350	14F1	-	-	-	-	633-14F1-9	606-14F1-9	605-14F1-9
	CNCB450	1418	-	-	-	-	633-1418-9	606-1418-9	605-1418-9
	5AX-130	1468	661-1468-9	662-1468-9	631-1468-9	632-1468-9	-	606-1468-9	605-1468-9
	5AX-201	14F2	661-14F2-9	662-14F2-9	631-14F2-9	632-14F2-9	633-14F2-9	606-14F2-9	605-14F2-9
	5AX-230	1402	-	-	-	-	633-1402-9	606-1402-9	605-1402-9
	5AX-250	1476	-	-	-	-	633-1476-9	606-1476-9	605-1476-9
	5AX-350	1485	-	-	-	-	-	-	-
è	260T	1471	-	-	-	-	-	-	-
*	321T	14F3	-	-	-	-	-	-	-
器	401T	14F4	-	-	-	-	-	-	-
	601T	14F5	-	-	-	-	-	-	-







<sup>\*</sup>For left hand mount motor style, back mount motor style, multi-spindle units, and interfaces for P200 controllers please contact us.



## **Okuma Interface Numbers**



"-9" represents interface numbers for P300 controller only. Please contact us with inquiries for a P200 controller.

	hine	Interface Number	MILLAC 761V	MILLAC 852V	MILLAC 1052VII	MA-500HA/B	2200 controller.  MA-600HA/B	MA-800HB	MB-4000H	MB-5000H	MB-8000H
Machine	Option #		2X5	2X6	2X7	615	616	617	644	645	647
	CNC180	1467	-	-	-	-	-	-	-	-	-
	CNC202	1490	-	-	-	-	-	-	-	-	-
	CNC260	1489	-	-	-	-	-	-	-	-	-
	CNC302	1491	2X5-1491-9	-	-	-	-	-	-	-	-
	CNC321	1474	2X5-1474-9	2X6-1474-9	-	-	-	-	-	-	-
	CNC401	1488	2X5-1488-9	2X6-1488-9	2X7-1488-9	-	-	-	-	-	-
	CNC601	14C9	2X5-14C9-9	2X6-14C9-9	2X7-14C9-9	-	-	-	-	-	-
<b>100</b>	CNCB350	14F1	2X5-14F1-9	-	-	-	-	-	-	-	-
	CNCB450	1418	2X5-1418-9	2X6-1418-9	-	-	-	-	-	-	-
(B)	5AX-130	1468	-	-	-	-	-	-	-	-	-
	5AX-201	14F2	-	-	-	-	-	-	-	-	-
	5AX-230	1402	-	-	-	-	-	-	-	-	-
Œ.	5AX-250	1476	-	2X6-1476-9	-	-	-	-	-	-	-
	5AX-350	1485	-	2X6-1485-9	2X7-1485-9	-	-	-	-	-	-
ė.	260T	1471	-	-	-	-	-	-	644-1471-9	-	-
	321T	14F3	-	-	-	615-14F3-9	-	-	-	645-14F3-9	-
	401T	14F4	-	-	-	615-14F4-9	616-14F4-9	-	-	645-14F4-9	-
器	601T	14F5	-	-	-	-	616-14F5-9	617-14F5-9	-	-	647-14F5-9







<sup>\*</sup>For left hand mount motor style, back mount motor style, multi-spindle units, and interfaces for P200 controllers please contact us.

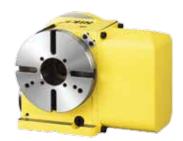


#### **GENERAL MACHINE SPECIFICATIONS**





	M460-VE	M560-V				
TRAVEL X-AXIS	30.00 in. (762 mm)	41.34 in. (1,050 mm)				
TRAVEL Y-AXIS	18.11 in. (460 mm)	22.05 in. (560 mm)				
TRAVEL Z-AXIS	18.11 in. (	460 mm)				
TABLE TO SPINDLE NOSE	5.91 ~ 24.02 in. (150 ~ 610 mm)					
MAX. LOAD CAPACITY	1,540 lbs. (700 kg)	1,980 lbs. (900 kg)				
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,262 ip	m (40 / 40 / 32 m/min.)				
Okuma Interface # CNC 180	661-1467-9	662-1467-9				
Okuma Interface # CNC 202	661-1490-9	662-1490-9				
Okuma Interface # CNC 260	661-1489-9	662-1489-9				
Okuma Interface # CNC 302	661-1491-9	662-1491-9				



- Small foot print with a powerful brake.
- Hardened gear eliminates constant backlash adjustment.
- High speed (44.4RPM) available upon request.
- Large ID hole with H7 tolerance for fixture standardization.

#### CNC180/202

Faceplate Diameter	Brake System	Brake Torque ft. lbs.	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs.)	Driving Torque ft. lbs.	Repeatability (Arc sec.)
7.09"/7.87" (180/200 mm)	AIR	223.5	0.001°	22.2	1/90	20 sec	99/121	53/106	±4



- · Highest weight load capacity in its class.
- The rotary table can be used vertically or horizontally depending on the application.
- Various options are available to meet all work holding, fixturing and chucking requirements.

#### CNC260/302

#### Air booster available. Please contact us for more information.

Faceplate Diameter	Brake System	Brake Torque ft. lbs.	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs.)	Driving Torque ft. lbs.	Repeatability (Arc sec.)
10.24"/11.81" (260/300 mm)	AIR	433.6	0.001°	16.6	1/120	20 sec	253/264	141.6	±4



For Support Tailstock and Chuck Accessories, go to page 44



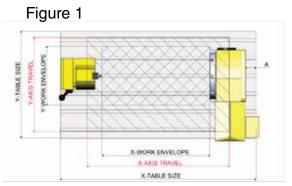


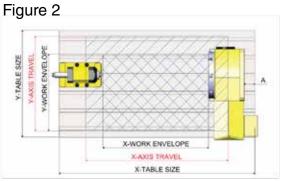


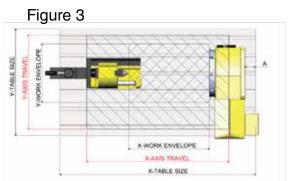
For left hand motor style, multi-spindle units, and back mount motor style please contact us.

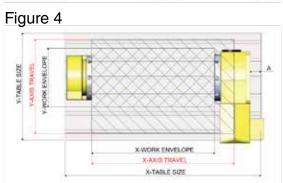












		Tailstock/Support Table Part #					
X-Y Axis Trave	el		30.00" X 18.11" (762 X 460mm)	41.34" X 22.06" (1050 X 660mm)			
X-Y Table Siz	е		39.37" X 18.11" (1000 X 460mm)	51.28" X 22.05" (1300 X 560mm)			
CNC 180/202							
	Fig 1	P-125S	17.05" (433mm)	28.39" (721mm)			
V Mark Envelope	Fig 2	PBA-135	15.71" (399mm)	27.05" (687mm)			
X-Work Envelope	Fig 3	n/a	n/a	n/a			
	Fig 4	TAT 170	18.58" (472mm)	29.92" (760mm)			
Y-Work Envelope			10.24" (260mm)	10.24" (260mm)			
CNC 260/302							
	Fig 1	P-170S	13.46" (342mm)	24.80" (630mm)			
V Mayla Farralana	Fig 2	PBA-170	15.71" (399mm)	25.16" (639mm)			
X-Work Envelope	Fig 3	H-170S	7.05" (174mm)	18.38" (467mm)			
	Fig 4	TAT250	16.42" (417mm)	27.76" (705mm)			
Y-Work Envelope			12.99" (330mm)	12.99" (330mm)			





#### **GENERAL MACHINE SPECIFICATIONS**





	M460-VE	M560-V				
TRAVEL X-AXIS	30.00 in. (762 mm)	41.34 in. (1,050 mm)				
TRAVEL Y-AXIS	18.11 in. (460 mm)	22.05 in. (560 mm)				
TRAVEL Z-AXIS	18.11 in. (460 mm)					
TABLE TO SPINDLE NOSE	5.91 ~ 24.02 in. (150 ~ 610 mm)					
MAX. LOAD CAPACITY	1,540 lbs. (700 kg)	1,980 lbs. (900 kg)				
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,262 ip	m (40 / 40 / 32 m/min.)				
Okuma Interface # 5AX-130	661-1468-9	662-1468-9				
Okuma Interface # 5AX-201	661-14F2-9	662-14F2-9				



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-130

Faceplate	Brake	Brake Tor	que ft. lbs	MIN.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy		Net Weight	Driving Torque	Repeat (Arc	
Diameter	System	Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
4" (105mm)	AIR	151	223.5	0.001°	22.2	11.1	1/90	1/180	30	60	219.3	53	±4	±6

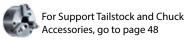


- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-201

#### 

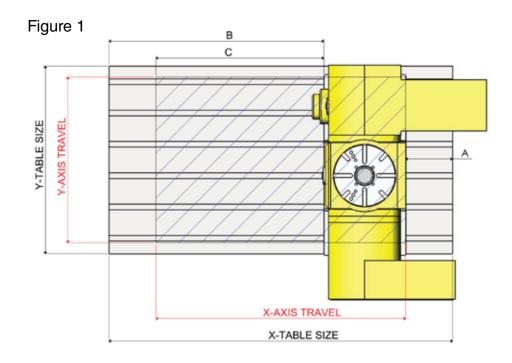
Faceplate	Brake	Brake Tor	que ft. lbs	Min.	\······ /		Total Reduction Ratio		Indexing Accuracy		Net Weight	Driving Torque	Repeat (Arcs	•
Diameter	System	Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
7.8" (200mm)	AIR	433.6	433.6	0.001°	22.2	16.6	1/90	1/120	20	60	352.7	53	±4	±6





For multi-spindle units please contact us.





	Tailstock/Support Table Part #	M460-VE	M560-V
X-Y Axis Travel		30.00" X 18.11" (762 X 460mm)	41.34" X 22.06" (1050 X 660mm)
X-Y Table Size		39.37" X 18.11" (1000 X 460mm)	51.28" X 22.05" (1300 X 560mm)
5AX-130			
	А	5.91" (150mm)	5.91" (150mm)
Work Envelope	В	30.12" (765mm)	42.17" (1071mm)
	С	25.43" (646mm)	37.24" (946mm)
5AX-201			
	А	5.91" (150mm)	5.91" (150mm)
Work Envelope	В	28.15" (715mm)	40.20" (1021mm)
	С	23.46" (596mm)	35.28" (896mm)

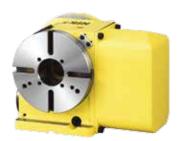


#### **GENERAL MACHINE SPECIFICATIONS**





	MB-46VA/B	MB56-VA/B
TRAVEL X-AXIS	22.05[30.00] in. (560 [762] mm)	41.34 in. (1,050 mm)
TRAVEL Y-AXIS	18.11 in. (460 mm)	22.05 in. (560 mm)
TRAVEL Z-AXIS	18.11 in. (460 mm)	18.11 in. (460 mm)
TABLE TO SPINDLE NOSE	5.91 ~ 24.02 (1	50 ~ 610 mm)
MAX. LOAD CAPACITY	1,100 lbs. (500 kg)	1,980 lbs. (900 kg)
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,260 ip	m (40 / 40 / 32 m/min.)
Okuma Interface # CNC 180	631-1467-9	632-1467-9
Okuma Interface # CNC 202	631-1490-9	632-1490-9
Okuma Interface # CNC 260	631-1489-9	632-1489-9
Okuma Interface # CNC 302	631-1491-9	632-1491-9



- Small foot print with a powerful brake.
- Hardened gear eliminates constant backlash adjustment.
- High speed (44.4RPM) available upon request.
- Large ID hole with H7 tolerance for fixture standardization.

#### CNC180/202

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
7" (180mm)	AIR	223.5	0.001°	22.2	1/90	20	95	53	±4



- · Highest weight load capacity in its class.
- The rotary table can be used vertically or horizontally depending on the application.
- Various options are available to meet all work holding, fixturing and chucking requirements.

#### CNC260/302

#### Air booster available. Please contact us for more information.

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
10/12" (206/30mm)	AIR	433.6	0.001°	16.6	1/120	20	264.5	141.6	±4



For Support Tailstock and Chuck Accessories, go to page 44



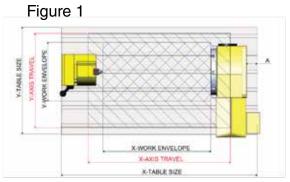


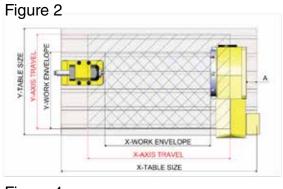


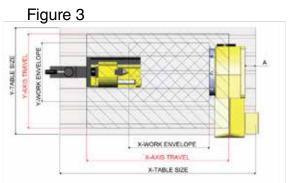
For left hand motor style, multi-spindle units, and back mount motor style please contact us.

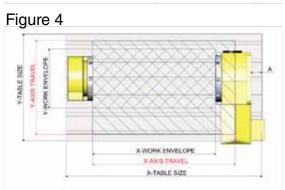












		Tailstock/Support Table Part #	MB-46VA/B	MB56-VA/B
X-Y Axis Trave	el		30.00" X 18.11" (762 X 460mm)	41.34" X 22.06" (1050 X 660mm)
X-Y Table Siz	е		39.37" X 18.11" (1000 X 460mm)	51.28" X 22.05" (1300 X 560mm)
CNC 180/202				
	Fig 1	P-125S	17.05" (433mm)	28.39" (721mm)
X-Work Envelope	Fig 2	PBA-135	15.71" (399mm)	27.05" (687mm)
A-Work Envelope	Fig 3	n/a	n/a	n/a
	Fig 4	TAT 170	18.58" (472mm)	29.92" (760mm)
Y-Work Envelope			10.24" (260mm)	10.24" (260mm)
CNC 260/302				
	Fig 1	P-170S	13.46" (342mm)	24.80" (630mm)
V Work Envolune	Fig 2	PBA-170	15.71" (399mm)	25.16" (639mm)
X-Work Envelope	Fig 3	H-170S	7.05" (174mm)	18.38" (467mm)
	Fig 4	TAT250	16.42" (417mm)	27.76" (705mm)
Y-Work Envelope			12.99" (330mm)	12.99" (330mm)





#### **GENERAL MACHINE SPECIFICATIONS**





	MB-46VA/B	MB56-VA/B
TRAVEL X-AXIS	22.05[30.00] in. (560 [762] mm)	41.34 in. (1,050 mm)
TRAVEL Y-AXIS	18.11 in. (460 mm)	22.05 in. (560 mm)
TRAVEL Z-AXIS	18.11 in. (460 mm)	18.11 in. (460 mm)
TABLE TO SPINDLE NOSE	5.91 ~ 24.02 (1	50 ~ 610 mm)
MAX. LOAD CAPACITY	1,100 lbs. (500 kg)	1,980 lbs. (900 kg)
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,260 ip	m (40 / 40 / 32 m/min.)
Okuma Interface # 5AX-130	631-1468-9	632-1468-9
Okuma Interface # 5AX-201	631-14F2-9	632-14F2-9



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-130

Faceplate Diameter	Brake System			que ft. lbs	MIN.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arc sec.)	
		Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting	
4"(105mm)	AIR	151	223.5	0.001°	22.2	11.1	1/90	1/180	30	60	219.3	53	±4	±6	



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-201

#### Air-hydraulic booster not recommended. Please contact us for more information.

Faceplate Diameter	Brake System	Brake Torque ft. lbs		Min.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arcsec.)	
		Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
7.8"(200mm)	AIR	433.6	433.6	0.001°	22.2	16.6	1/90	1/120	20	60	352.7	53	±4	±6



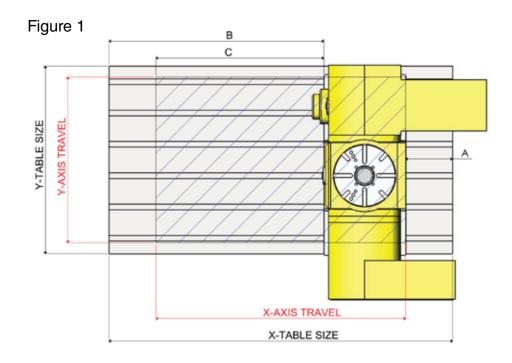
For Support Tailstock and Chuck Accessories, go to page 48



For multi-spindle units please contact us.







	Tailstock/Support Table Part #	MB-46VA/B	MB56-VA/B		
X-Y Axis Travel		30.00" X 18.11" (762 X 460mm)	41.34" X 22.06" (1050 X 660mm)		
X-Y Table Size		39.37" X 18.11" (1000 X 460mm)	51.28" X 22.05" (1300 X 560mm)		
5AX-130					
	A	5.91" (150mm)	5.91" (150mm)		
Work Envelope	В	25.43" (646mm)	37.24" (946mm)		
	С	30.12" (765mm)	42.17" (1071mm)		
5AX-201					
	A	5.91" (150mm)	5.91" (150mm)		
Work Envelope	В	23.46" (596mm)	35.28" (896mm)		
	С	28.15" (715mm)	40.20" (1021mm)		



#### **GENERAL MACHINE SPECIFICATIONS**

CHINE SPECIFICATIONS	
	MB-66VA/B
TRAVEL X-AXIS	59.06 in. (1,500mm)
TRAVEL Y-AXIS	25.98 in. (660 mm)
TRAVEL Z-AXIS	25.98 in. (660 mm)
TABLE TO SPINDLE NOSE	5.91 ~ 31.89 in. (150 ~ 810 mm)
MAX. LOAD CAPACITY	3,330 lbs. (1,500 kg)
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,260 ipm (40 / 40 / 32 m/min.)
Okuma Interface # CNC 260	633-1489-9
Okuma Interface # CNC 302	633-1491-9
Okuma Interface # CNC 321	633-1474-9





#### • Highest weight load capacity in its class.

- The rotary table can be used vertically or horizontally depending on the application.
- Various options are available to meet all work holding, fixturing and chucking requirements.

#### CNC260/302

#### Air booster available. Please contact us for more information.

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
10/12" (206/30mm)	AIR	433.6	0.001°	16.6	1/120	20	264.5	141.6	±4



- The rotary table can be used vertically or horizontally depending on the application.
- 4" through-hole.
- Suitable for indexing and rotational milling on a wide variety of work pieces.
- Strong hydraulic break allows for high braking torque.

#### **CNC321**

Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
12.5" (321mm)	AIR/HYD.	1298	0.001°	22.2	1/90	15	441	318	±4



For Support Tailstock and Chuck Accessories, go to page 44





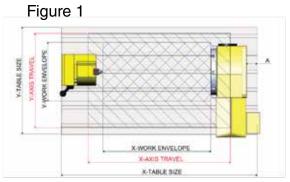


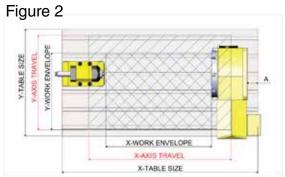
For left hand motor style, multi-spindle units, and back mount motor style please contact us.

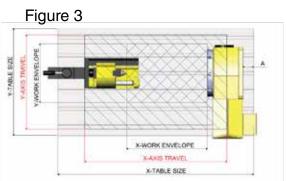


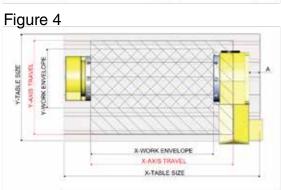
## Okuma: MB-66VA/B











		Tailstock/Support Table Part #	MB-66VA/B
X-Y Axis Trave	el		59.06" X 25.98" (1500 X 660mm)
X-Y Table Size			60.24" X 25.98" (1530 X 660mm)
CNC 260/302			
	Fig 1	P-170S	43.70" (1110mm)
V Made Freeze	Fig 2	PBA-170	44.06" (1119mm)
X-Work Envelope	Fig 3	H-170S	37.28" (947mm)
	Fig 4	TAT250	46.64" (1185mm)
Y-Work Envelope			12.99" (330mm)
CNC 321			
	Fig 1	P-230S	42.13" (1070mm)
X-Work Envelope Fig 2		H-230S	42.48" (1079mm)
Fig 3		TAT320	40.94" (1040mm)
Y-Work Envelope			17.72" (450mm)



#### **GENERAL MACHINE SPECIFICATIONS** MB-66VA/B TRAVEL X-AXIS 59.06 in. (1,500mm) TRAVEL Y-AXIS 25.98 in. (660 mm) **TRAVEL Z-AXIS** 25.98 in. (660 mm) **TABLE TO SPINDLE NOSE** 5.91 ~ 31.89 in. (150 ~ 810 mm) MAX. LOAD CAPACITY 3,330 lbs. (1,500 kg) FEED RATE - RAPID X/Y/Z 1,575 / 1,575 / 1,260 ipm (40 / 40 / 32 m/min.) Okuma Interface # CNC 401 633-1488-9 Okuma Interface # CNC B350 633-14F1-9 Okuma Interface # CNC B450 633-1418-9





- 4" through-hole.
- Tubular bearings mounted directly under the edge of the faceplate absorb shock and dampen vibration.

#### **CNC401**

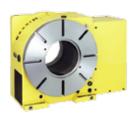
Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
15.5" (401mm)	AIR/HYD.	1298	0.001°	22.2	1/90	15	496	318	±4



- Ideal for heavy duty machining and large size work piece cutting.
- · Large through hole and powerful brake system.

#### **CNCB350**

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
13.78" (350mm)	AIR/HYD.	2456.8	0.001°	22.2	1/90	15	540	319	±4



**CNCB450** 

- Ideal for heavy duty machining and large size work piece cutting.
- · Large through hole and powerful brake system.
- Dividing and lead cutting for large size work piece is suitable.
- Large through hole and powerful clamping system.
- Featuring 8" through-hole and powerful brake system.
- Ideal for machining of large pipes.

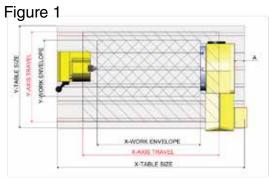
Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
17.5" (450mm)	AIR/HYD.	2854	0.001°	25	1/120	15	727.5	424.8	±4

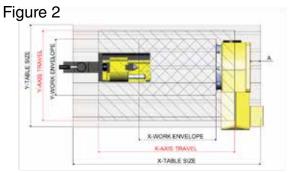


For Support Tailstock and Chuck Accessories, go to page 48

## Okuma: MB-66VA/B



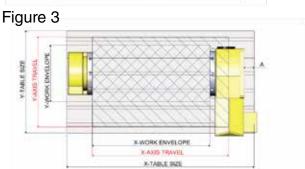




n/a

n/a

21.65" (550mm)



X-Work Envelope

Y-Work Envelope

		Tailstock/Support Table Part #	MB-66VA/B				
X-Y Axis Trave	el		59.06" X 25.98" (1500 X 660mm)				
X-Y Table Siz	е		60.24" X 25.98" (1530 X 660mm)				
CNC 401							
	Fig 1	P-230S	41.73" (1060mm)				
X-Work Envelope	Fig 2	H-230S	42.09" (1069mm)				
	Fig 3	TAT320	40.55" (1030mm)				
Y-Work Envelope			17.72" (450mm)				
CNC B350							
	Fig 1	P-230S	40.75" (1035mm)				
X-Work Envelope	Fig 2	H-230S	41.10" (1044mm)				
	Fig 3	TAT320	39.57" (1005mm)				
Y-Work Envelope			17.72" (450mm)				
CNC B450							
	Fig 1	P-280S	41.73" (1060mm)				

For more detailed information, please contact us.

n/a

n/a

Fig 2

Fig 3



#### **GENERAL MACHINE SPECIFICATIONS**

	MB-66VA/B
TRAVEL X-AXIS	59.06 in. (1,500mm)
TRAVEL Y-AXIS	25.98 in. (660 mm)
TRAVEL Z-AXIS	25.98 in. (660 mm)
TABLE TO SPINDLE NOSE	5.91 ~ 31.89 in. (150 ~ 810 mm)
MAX. LOAD CAPACITY	3,330 lbs. (1,500 kg)
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,260 ipm (40 / 40 / 32 m/min.)
Okuma Interface # 5AX-201	633-14F2-9





- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### **5AX-201**

#### 

Faceplate Brake Diameter System	Brake Torque ft. lbs		Min.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arc sec.)		
	System	Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
7.8"(200mm)	AIR	433.6	433.6	0.001°	22.2	16.6	1/90	1/120	20	60	352.7	53	±4	±6



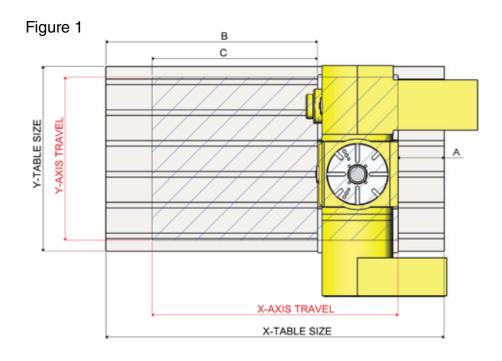
For Support Tailstock and Chuck Accessories, go to page 48



For multi-spindle units please contact us.

## Okuma: MB-66VA/B





	Tailstock/Support Table Part #	MB-66VA/B
X-Y Axis Travel		59.06" X 25.98" (1500 X 660mm)
X-Y Table Size		60.24" X 25.98" (1530 X 660mm)
5AX-201		
	А	5.91" (150mm)
Work Envelope	В	44.33" (1126mm)
	С	43.74" (1111mm)



#### **GENERAL MACHINE SPECIFICATIONS**

CHINE SPECIFICATIONS	MB-66VA/B
TRAVEL X-AXIS	59.06 in. (1,500mm)
TRAVEL Y-AXIS	25.98 in. (660 mm)
TRAVEL Z-AXIS	25.98 in. (660 mm)
TABLE TO SPINDLE NOSE	5.91 ~ 31.89 in. (150 ~ 810 mm)
MAX. LOAD CAPACITY	3,330 lbs. (1,500 kg)
FEED RATE - RAPID X/Y/Z	1,575 / 1,575 / 1,260 ipm (40 / 40 / 32 m/min.)
Okuma Interface # 5AX-230	633-1402-9
Okuma Interface # 5AX-250	633-1476-9





- CNC tilting rotary table with powerful brake system.
- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.
- · Powerful braking system.

#### 5AX-230

Faceplate Brake Diameter System		Brake Torque ft. lbs		Min.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arcsec.)	
	System	Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
9.1" (230mm)	HYD.	361.4	2529.8	0.001°	11.1	5.5	1/180	1/360	20	60	220	212.4	±4	±6



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-250

Faceplate Brake Diameter System		Brake Torque ft. Ibs		Min.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arc sec.)	
	System	Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
9.8" (250mm)	AIR/HYD.	433.6	361.3	0.001°	22.2	11.1	1/90	1/180	20	60	639.3	106.2	±4	±6



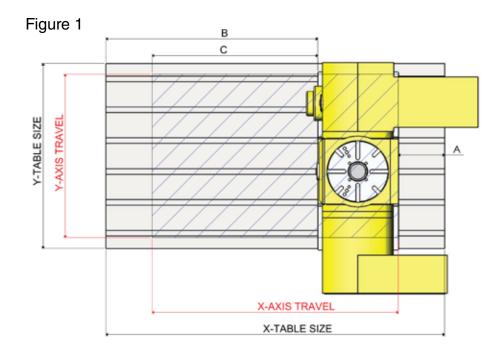
For Support Tailstock and Chuck Accessories, go to page 48



For multi-spindle units please contact us.

## Okuma: MB-66VA/B





	Tailstock/Support Table Part #	MB-66VA/B				
X-Y Axis Travel		59.06" X 25.98" (1500 X 660mm)				
X-Y Table Size		60.24" X 25.98" (1530 X 660mm)				
5AX-230						
	А	1.97" (50mm)				
Work Envelope	В	36.44" (925.5mm)				
	С	35.85" (910.5mm)				
5AX-250						
	А	5.91" (150mm)				
Work Envelope	В	45.08" (1145mm)				
	С	44.49" (1130mm)				



#### **GENERAL MACHINE SPECIFICATIONS**

CHINE SPECIFICATIONS	MA-550VB	MA-650VB			
TRAVEL X-AXIS	900 in. (1,300 mm)*(35.43 in. (51.58 mm))	1,100 in. (1,530 mm)*(43.30 in. (60.23 mm))			
TRAVEL Y-AXIS	22.04 in. (560 mm)	25.98 in. (660 mm)			
TRAVEL Z-AXIS	22.04 in. (560 mm)	24.01 in. (610 mm)			
TABLE TO SPINDLE NOSE	7.87 ~ 35.03 in. (200 ~ 760 mm)	14.96 ~ 40.94 in. (380 ~ 1,040 mm)			
MAX. LOAD CAPACITY	39.37 lbs. (1,000 kg)	59.05 lbs. (1,500 kg)			
FEED RATE - RAPID X/Y/Z	131.24 / 131.24 / 98.43 f	pm (40 / 40 / 30 m/min.)			
Okuma Interface # CNC 260	605-1498-9	606-1498-9			
Okuma Interface # CNC 302	605-1491-9	606-1491-9			
Okuma Interface # CNC 321	605-1474-9	606-1474-9			





- Highest weight load capacity in its class.
- The rotary table can be used vertically or horizontally depending on the application.
- Various options are available to meet all work holding, fixturing and chucking requirements.

#### CNC260/302

#### Air booster available. Please contact us for more information.

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
10/12" (206/30mm)	AIR	433.6	0.001°	16.6	1/120	20	264.5	141.6	±4



- The rotary table can be used vertically or horizontally depending on the application.
- 4" through-hole.
- Suitable for indexing and rotational milling on a wide variety of work pieces.
- Strong hydraulic break allows for high braking torque.

#### **CNC321**

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)				
12.5" (321mm)	AIR/HYD.	1298	0.001°	22.2	1/90	15	441	318	±4				



For Support Tailstock and Chuck Accessories, go to page 44



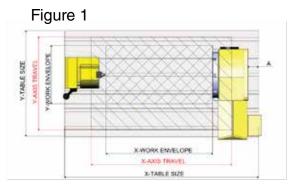


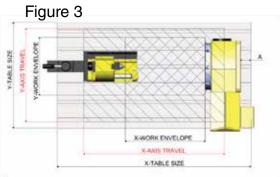


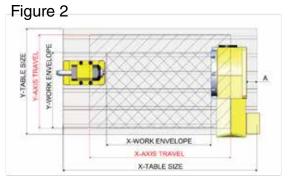
For left hand motor style, multi-spindle units, and back mount motor style please contact us.

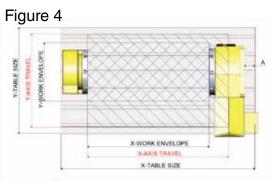












		Tailstock/Support Table Part #	MA-550VB	MA-650VB			
X-Y Axis Travel			51.18" X 22.05" (1300 X 560mm)	59.06" X 25.98" (1530 X 660mm)			
X-Y Table Size	е		51.18" X 22.05" (1300 X 560mm)	51.18" X 22.05" (1300 X 660mm)			
CNC 260/302							
	Fig 1	P-170S	34.65" (880mm)	34.65" (880mm)			
V Work Envolone	Fig 2	PBA-170	35.00" (889mm)	35.00" (889mm)			
X-Work Envelope	Fig 3	H-170S	28.23" (717mm)	28.23" (717mm)			
	Fig 4	TAT250	37.60" (955mm)	37.60" (955mm)			
Y-Work Envelope			12.99" (330mm)	12.99" (330mm)			
CNC 321							
	Fig 1	P-230S	33.07" (840mm)	33.07" (840mm)			
X-Work Envelope	Fig 2	H-230S	33.43" (849mm)	33.43" (849mm)			
	Fig 3	TAT320	31.89" (810mm)	31.89" (810mm)			
Y-Work Envelope			17.72" (450mm)	17.72" (450mm)			





**GENERA** 

## **Okuma: MA-550VB** | **MA-650VB**

AL MACHINE SPECIFICATIONS	MA-550VB	MA-650VB		
TRAVEL X-AXIS	900 in. (1,300 mm)*(35.43 in. (51.58 mm))	1,100 in. (1,530 mm)*(43.30 in. (60.23 mm))		
TRAVEL Y-AXIS	22.04 in. (560 mm)	25.98 in. (660 mm)		
TRAVEL Z-AXIS	22.04 in. (560 mm)	24.01 in. (610 mm)		
TABLE TO SPINDLE NOSE	7.87 ~ 35.03 in. (200 ~ 760 mm)	14.96 ~ 40.94 in. (380 ~ 1,040 mm)		
MAX. LOAD CAPACITY	39.37 lbs. (1,000 kg)	59.05 lbs. (1,500 kg)		
FEED RATE - RAPID X/Y/Z	131.24 / 131.24 / 98.43	fpm (40 / 40 / 30 m/min.)		
Okuma Interface # CNC 401	605-1488-9	606-1488-9		
Okuma Interface # CNC B350	605-14F1-9	606-14F1-9		
Okuma Interface # CNC B450	605-1418-9	606-1418-9		





#### • 4" through-hole.

• Tubular bearings mounted directly under the edge of the faceplate absorb shock and dampen vibration.

#### **CNC401**

Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. Ibs	Repeatability (Arc sec.)
15.5" (401mm)	AIR/HYD.	1298	0.001°	22.2	1/90	15	496	318	±4



- Ideal for heavy duty machining and large size work piece cutting.
- Large through hole and powerful brake system.

#### **CNCB350**

Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
13.78" (350mm)	AIR/HYD.	2456.8	0.001°	22.2	1/90	15	540	319	±4



**CNCB450** 

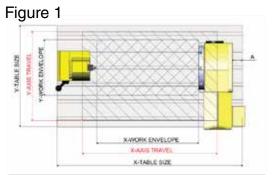
- Ideal for heavy duty machining and large size work piece cutting.
- · Large through hole and powerful brake system.
- Dividing and lead cutting for large size work piece is suitable.
- Large through hole and powerful clamping system.
- Featuring 8" through-hole and powerful brake system.
- Ideal for machining of large pipes.

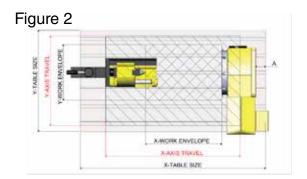
Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
17.5" (450mm)	AIR/HYD.	2854	0.001°	25	1/120	15	727.5	424.8	±4

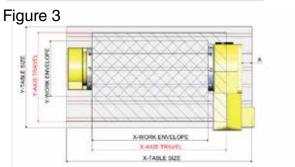


For Support Tailstock and Chuck Accessories, go to page 48









	Tailstock/Support Table Part #	MA-550VB	MA-650VB
X-Y Axis Travel		51.18" X 22.05" (1300 X 560mm)	59.06" X 25.98" (1530 X 660mm)
X-Y Table Size		51.18" X 22.05" (1300 X 560mm)	51.18" X 22.05" (1300 X 660mm)

CNC 401				
	Fig 1	P-230S	32.68" (830mm)	32.68" (830mm)
X-Work Envelope	Fig 2	H-230S	33.03" (839mm)	33.03" (839mm)
	Fig 3	TAT320	31.50" (800mm)	31.50" (800mm)
Y-Work Envelope			17.72" (450mm)	17.72" (450mm)

CNC B350										
	Fig 1 P-230S Fig 2 H-230S		31.69" (805mm)	31.69" (805mm)						
X-Work Envelope			32.05" (814mm)	32.05" (814mm)						
	Fig 3	TAT320	30.51" (775mm)	30.51" (775mm)						
Y-Work Envelope			17.72 (450mm)	17.72 (450mm)						

CNC B450											
	Fig 1 P-280S		29.53" (750mm)	29.53" (750mm)							
X-Work Envelope	Fig 2	n/a	n/a	n/a							
	Fig 3	n/a	n/a	n/a							
Y-Work Envelope			21.65" (550mm)	21.65" (550mm)							





#### **GENERAL MACHINE SPECIFICATIONS**

MACHINE SPECIFICATIONS	MA-550VB	MA-650VB				
TRAVEL X-AXIS	900 in. (1,300 mm)*(35.43 in. (51.58 mm))	1,100 in. (1,530 mm)*(43.30 in. (60.23 mm))				
TRAVEL Y-AXIS	22.04 in. (560 mm)	25.98 in. (660 mm)				
TRAVEL Z-AXIS	22.04 in. (560 mm)	24.01 in. (610 mm)				
TABLE TO SPINDLE NOSE	7.87 ~ 35.03 in. (200 ~ 760 mm)	14.96 ~ 40.94 in. (380 ~ 1,040 mm)				
MAX. LOAD CAPACITY	39.37 lbs. (1,000 kg)	59.05 lbs. (1,500 kg)				
FEED RATE - RAPID X/Y/Z	131.24 / 131.24 / 98.43 fpm (40 / 40 / 30 m/min.)					
Okuma Interface # 5AX-130	605-1468-9	606-1468-9				





- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-130

Faceplate	Brake	Brake Tor	que ft. lbs	Min. Increment			Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeat (Arc:			
Diameter	System	Rotary	Tilting		Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
4" (105mm)	AIR	151	223.5	0.001°	22.2	11.1	1/90	1/180	30	60	219.3	53	±4	±6

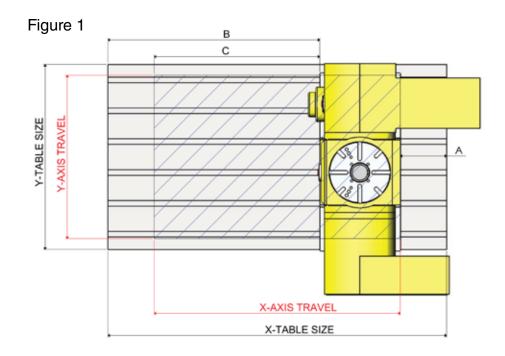




For multi-spindle units please contact us.







	Tailstock/Support Table Part #	MA-550VB	MA-650VB
X-Y Axis Travel		51.18" X 22.05" (1300 X 560mm)	59.06" X 25.98" (1530 X 660mm)
X-Y Table Size		51.18" X 22.05" (1300 X 560mm)	51.18" X 22.05" (1300 X 660mm)
5AX-130			
	А	5.91" (150mm)	5.91" (150mm)
Work Envelope	В	33.62" (854mm)	33.62" (854mm)
	С	33.62" (854mm)	33.62" (854mm)



#### **GENERAL MACHINE SPECIFICATIONS** MA-550VB (-S)\* MA-650VB (-S)\* **TRAVEL X-AXIS** 51.58 (35.43) in. 1,300 (900)\* mm 60.23(43.30) in. 1,530 (1,100)\* mm TRAVEL Y-AXIS 22.04 in. (560 mm) 25.98 in. (660 mm) TRAVEL Z-AXIS 22.04 in. (560 mm) 24.01 in. (610 mm) **TABLE TO SPINDLE NOSE** 7.87 ~ 35.03 in. (200 ~ 760 mm) 14.96 ~ 40.94 in. (380 ~ 1,040 mm) MAX. LOAD CAPACITY 39.37 lbs. (1,000 kg) 59.05 lbs. (1,500 kg) FEED RATE - RAPID X/Y/Z 131.24 / 131.24 / 98.43 fpm (40 / 40 / 30 m/min.) Okuma Interface # 5AX-201 605-14F2-9 606-14F2-9 Okuma Interface # 5AX-230 605-1402-9 606-1402-9 Okuma Interface # 5AX-250 605-1476-9 606-1476-9





- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- · Rotary and tilting axes are controlled by CNC.

#### 5AX-201

#### Air-hydraulic booster not recommended. Please contact us for more information.

Faceplate Diameter	Brake System			Min.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arc sec.)	
		Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
7.8" (200mm)	AIR	433.6	433.6	0.001°	22.2	16.6	1/90	1/120	20	60	352.7	53	±4	±6

- CNC tilting rotary table with powerful brake system.
- · Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.
- Powerful braking system.

#### 5AX-230

Faceplate	Brake System	Brake Torque ft. lbs		Min.	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arc sec.)	
Diameter		Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
9.1" (230mm)	HYD.	361.4	2529.8	0.001°	11.1	5.5	1/180	1/360	20	60	220	212.4	±4	±6



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

#### 5AX-250

Faceplate	Brake System			Min.		Rotation Speed (min¹)		Total Reduction Ratio		Accuracy ec.)	Net Weight	Driving Torque	Repeatability (Arc sec.)	
Diameter		Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
9.8" (250mm)	AIR/HYD.	433.6	361.3	0.001°	22.2	11.1	1/90	1/180	20	60	639.3	106.2	±4	±6



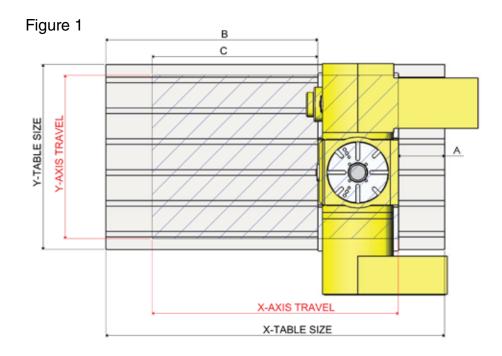
For Support Tailstock and Chuck Accessories, go to page 48





For multi-spindle units please contact us.





	Tailstock/Support Table Part #	MA-550VB	MA-650VB
X-Y Axis Travel		51.18" X 22.05" (1300 X 560mm)	59.06" X 25.98" (1530 X 660mm)
X-Y Table Size		51.18" X 22.05" (1300 X 560mm)	51.18" X 22.05" (1300 X 660mm)
5AX-201			
	А	5.91" (150mm)	5.91" (150mm)
Work Envelope	В	35.39" (899mm)	35.39" (899mm)
	С	35.39" (899mm)	35.39" (899mm)
5AX-230			
	Α	1.97" (50mm)	1.97" (50mm)
Work Envelope	В	30.12" (765mm)	30.12" (765mm)
	С	30.12" (765mm)	30.12" (765mm)
5AX-250			
	Α	5.91" (150mm)	5.91" (150mm)
Work Envelope	В	35.83" (910mm)	35.83" (910mm)
	С	35.83" (910mm)	35.83" (910mm)





#### **GENERAL MACHINE SPECIFICATIONS**





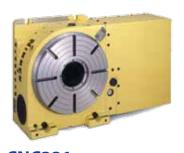
	761V	852V			
TRAVEL X-AXIS	60.69 in. (1,540 mm)	3,050 in. [2,050 mm] (120 in. [80.71 mm])			
TRAVEL Y-AXIS	29.92 in. (760 mm)	33.46 in. (850 mm)			
TRAVEL Z-AXIS	25.98 in. (660 mm)	29.53 in. (750 mm)			
TABLE TO SPINDLE NOSE	7.87 ~ 33.85 in. (200 ~ 860 mm)	7.87 ~ 37.4 [6.3 ~ 35.8] in. 200 ~ 950 [160 ~ 910] mm			
MAX. LOAD CAPACITY	4,400 lbs. (2,000 kg)	3,800 lbs. (2,500 kg)			
FEED RATE - RAPID X/Y/Z	52.49 / 52.49 / 52.49 fpm (16 / 16 / 16 m/min.)	39.37 / 39.37 / 52.49 fpm (12 / 12 / 16 m/min.)			
Okuma Interface # CNC 302	2X5-1491-9	-			
Okuma Interface # CNC 321	2X5-1474-9	2X6-1474-9			



- Highest weight load capacity in its class.
- The rotary table can be used vertically or horizontally depending on the application.

#### **CNC302**

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
10/12" (206/30mm)	AIR/ HYD.	433.6	0.001°	16.6	1/120	20	264.5	141.6	±4



- The rotary table can be used vertically or horizontally depending on the application.
- 4" through-hole.
- Suitable for indexing and rotational milling on a wide variety of work pieces.
- Strong hydraulic break allows for high braking torque.

#### **CNC321**

Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
12.5" (321mm)	AIR/ HYD.	1298	0.001°	22.2	1/90	15	441	318	±4



For Support Tailstock and Chuck Accessories, go to page 44





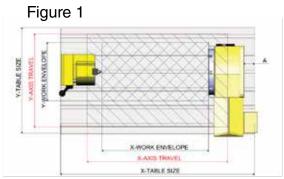


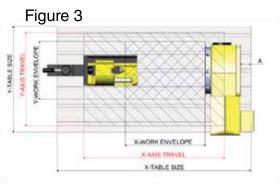
For left hand motor style, multi-spindle units, and back mount motor style please contact us.

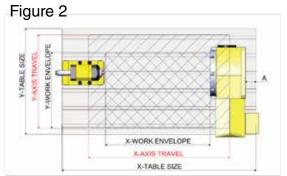


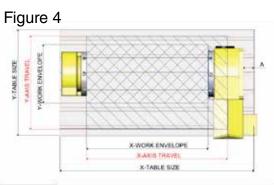
## **Okuma:761V | 852V**











		Tailstock/Support Table Part #	761V	852V
X-Y Axis Trav	el		60.63" X 22.05" (1540 X 760mm)	80.71" X 33.46" (2050 X 850mm)
X-Y Table Siz	re .		70.87" X 22.05" (1800 X 720mm)	86.61" X 33.46" (2200 X 850mm)
CNC 302				
	Fig 1	P-170S	54.33" (1380mm)	70.08" (1780mm)
X-Work	Fig 2	PBA-170	54.69" (1389mm)	70.43" (1789mm)
Envelope	Fig 3	H-170S	47.9" (1217mm)	63.66" (1617mm)
	Fig 4	TAT250	57.28" (1455mm)	73.03" (1855mm)
Y-Work Envelope			12.99" (330mm)	12.99" (330mm)
CNC 321				
	Fig 1	P-230S	52.76" (1340mm)	68.50" (1740mm)
X-Work Envelope	Fig 2	H-230S	53.11" (1349mm)	68.86" (1749mm)
	Fig 3	TAT320	51.57" (1310mm)	67.32" (1710mm)
Y-Work Envelope		<del>_</del>	17.72" (450mm)	17.72" (450mm)





#### **GENERAL MACHINE SPECIFICATIONS**





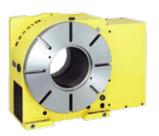
	761V	852V			
TRAVEL X-AXIS	60.69 in. (1,540 mm)	3,050 in. [2,050 mm] (120 in. [80.71 mm])			
TRAVEL Y-AXIS	29.92 in. (760 mm)	33.46 in. (850 mm)			
TRAVEL Z-AXIS	25.98 in. (660 mm)	29.53 in. (750 mm)			
TABLE TO SPINDLE NOSE	7.87 ~ 33.85 in. (200 ~ 860 mm)	7.87 ~ 37.4 [6.3 ~ 35.8] in. 200 ~ 950 [160 ~ 910] mm			
MAX. LOAD CAPACITY	4,400 lbs. (2,000 kg)	3,800 lbs. (2,500 kg)			
FEED RATE - RAPID X/Y/Z	52.49 / 52.49 / 52.49 fpm (16 / 16 / 16 m/min.)	39.37 / 39.37 / 52.49 fpm (12 / 12 / 16 m/min.)			
Okuma Interface # CNC B350	2X5-14F1-9	-			
Okuma Interface # CNC B450	2X5-1418-9	2X6-1418-9			



- Ideal for heavy duty machining and large size work piece cutting.
- Large through hole and powerful brake system.

#### **CNCB350**

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
13.78" (350mm)	AIR/ HYD.	2456.8	0.001°	22.2	1/90	15	540	319	±4



- Ideal for heavy duty machining and large size work piece cutting.
- Large through hole and powerful brake system.
- Dividing and lead cutting for large size work piece is suitable.
- · Large through hole and powerful clamping system.
- Featuring 8" through-hole and powerful brake system.
- Ideal for machining of large pipes.

#### **CNCB450**

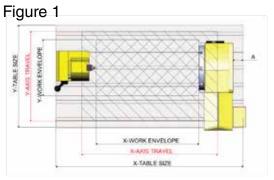
Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
17.5" (450mm)	AIR/ HYD.	2854	0.001°	25	1/120	15	727.5	424.8	±4

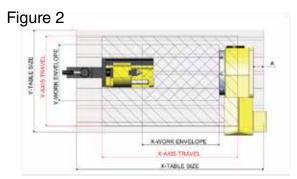


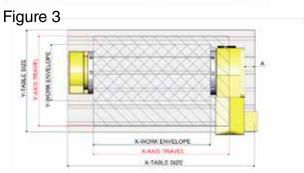
For Support Tailstock and Chuck Accessories, go to page 44

## **Okuma:761V | 852V**









		Tailstock/Support Table Part #	761V	852V		
X-Y Axis Travel			60.63" X 22.05" (1540 X 760mm)	80.71" X 33.46" (2050 X 850mm)		
X-Y Table Size			70.87" X 22.05" (1800 X 720mm)	86.61" X 33.46" (2200 X 850mm)		
CNC B350						
	Fig 1	P-230S	51.38" (1305mm)	67.13" (1705mm)		
X-Work Envelope	Fig 2	H-230S	51.73" (1314mm)	67.48" (1714mm)		
	Fig 3	TAT320	50.20" (1275mm)	65.94" (1675mm)		
Y-Work Envelope			17.72" (450mm)	17.72" (450mm)		
CNC B450						
	Fig 1	P-280S	49.21" (1250mm)	64.96" (1650mm)		
X-Work Envelope	Fig 2	n/a	n/a	n/a		
	Fig 3	n/a	n/a	n/a		
Y-Work Envelope			21.65" (550mm)	21.65" (550mm)		



## Okuma: 761V | 852V | 1052VII

#### **GENERAL MACHINE SPECIFICATIONS**







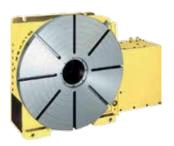
	761V	852V	1052VII			
TRAVEL X-AXIS	60.69 in. (1,540 mm)	3,050 in. [2,050 mr	3,050 in. [2,050 mm] (120 in. [80.71 mm])			
TRAVEL Y-AXIS	29.92 in. (760 mm)	33.46 in. (850 mm)	41.73 in. (1,060 mm)			
TRAVEL Z-AXIS	25.98 in. (660 mm)	29.53 in. (750 mm)	nm 200 ~ 1,000 [160 ~ 960] mm			
TABLE TO SPINDLE NOSE	7.87 ~ 33.85 in. (200 ~ 860 mm)	7.87 ~ 37.4 [6.3 ~ 35.8] in. 200 ~ 950 [160 ~ 910] mm				
MAX. LOAD CAPACITY	4,400 lbs. (2,000 kg)	3,800 lbs. (2,500 kg)				
FEED RATE - RAPID X/Y/Z	52.49 / 52.49 / 52.49 fpm (16 / 16 / 16 m/min.)	39.37 / 39.37 / 52.49				
Okuma Interface # CNC 401	2X5-1488-9	2X6-1488-9	2X7-1488-9			
Okuma Interface # CNC 601	2X5-14C9-9	2X6-14C9-9	2X7-14C9-9			



- Ideal for heavy duty machining and large size work piece cutting.
- Large through hole and powerful brake system.
- 4" through-hole.

#### **CNC401**

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
15.5" (401mm)	AIR/ HYD.	1298	0.001°	22.2	1/90	15	496	318	±4



- Ideal for heavy duty machining and large size work piece cutting.
- Large through hole and powerful brake system.

#### **CNC601**

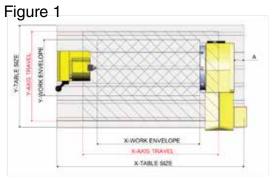
Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
23.5" (601mm)	AIR/ HYD.	3433	0.001°	11.1	1/180	15	1036.2	673.2	±4

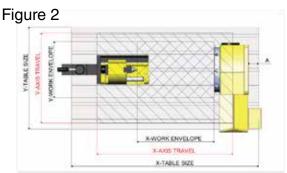


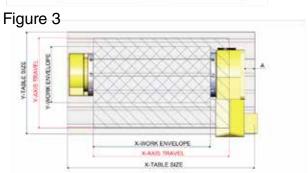
For Support Tailstock and Chuck Accessories, go to page 44

# Okuma:761V | 852V | 1052VII









Y-Work Envelope

		Tailstock/Support Table Part #	761V	852V	1052VII
X-Y Axis Trav	el		60.63" X 22.05" (1540 X 760mm)	80.71" X 33.46" (2050 X 850mm)	80.71" X 33.46" (2050 X 1060mm)
X-Y Table Siz	X-Y Table Size		70.87" X 22.05" (1800 X 720mm)	86.61" X 33.46" (2200 X 850mm)	86.61" X 33.46" (2200 X 1050mm)
CNC 401					
	Fig 1	P-230S	52.36" (1330mm)	68.11" (1730mm)	68.11" (1730mm)
X-Work Envelope	Fig 2	H-230S	52.72" (1339mm)	68.46" (1739mm)	68.46" (1739mm)
	Fig 3	TAT320	51.18" (1300mm)	66.93" (1700mm)	66.93" (1700mm)
Y-Work Envelope			17.72" (450mm)	17.72" (450mm)	17.72 (450mm)
CNC 601					
	Fig 1	P-310S	n/a	n/a	65.35" (1660mm)
X-Work Envelope	Fig 2	n/a	n/a	n/a	n/a
	Fig 3	TAT500	n/a	n/a	65.35" (1660mm)

For more detailed information, please contact us.

n/a

n/a

24.02" (610mm)



# Okuma: 852V | 1052VII

### **GENERAL MACHINE SPECIFICATIONS**





	852V	1052VII
TRAVEL X-AXIS	3,050 in. [2,050 mm	] (120 in. [80.71 mm])
TRAVEL Y-AXIS	33.46 in. (850 mm)	41.73 in. (1,060 mm)
TRAVEL Z-AXIS	29.53 in. (750 mm)	31.5 in. (800 mm)
TABLE TO SPINDLE NOSE	7.87 ~ 37.4 [6.3 ~ 35.8] in. 200 ~ 950 [160 ~ 910] mm	7.87 ~ 39.37 [6.29 ~ 37.8] in. 200 ~ 1,000 [160 ~ 960] mm
MAX. LOAD CAPACITY	3,800 lbs. (2,500 kg)	11,000 lbs. (5,000 kg)
FEED RATE - RAPID X/Y/Z	39.37 / 39.37 / 52.49 f	pm (12 / 12 / 16 m/min.)
Okuma Interface # 5AX-250	2X6-1476-9	_
Okuma Interface # 5AX-350	2X6-1485-9	2X7-1485-9



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.

### 5AX-250

Faceplate Diameter	Brake System		Min.	Rotatio (mi	n Speed n <sup>-1</sup> )	To Reducti	tal on Ratio	Indexing (se	Accuracy ec.)	Net Weight	Driving Torque	Repeat (Arc :	•	
		Rotary	Tilting	Increment	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
9.8" (250mm)	AIR/HYD.	433.6	361.3	0.001°	22.2	11.1	1/90	1/180	20	60	639.3	106.2	±4	±6



- Eliminate multiple setups.
- Significant time benefits and cost reduction through use of only one setup.
- Improve parts quality and maximize productivity.
- Rotary and tilting axes are controlled by CNC.
- · Powerful braking system.

### 5AX-350

Faceplate Diam- eter	Brake System	Brake Tor	que ft. lbs	Increment	Rotation Speed (min <sup>-1</sup> )		Total Reduction Ratio		Indexing Accuracy (sec.)		Net Weight	Driving Torque	Repeatability (Arc sec.)	
		Rotary	Tilting		Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	(lbs)	ft. lbs	Rotary	Tilting
21.6" (550mm)	HYD.	1156.3	1156.3	0.001°	22.2	22.2	1/90	1/90	20	60	926	212.4	±4	±6



For Support Tailstock and Chuck Accessories, go to page 48

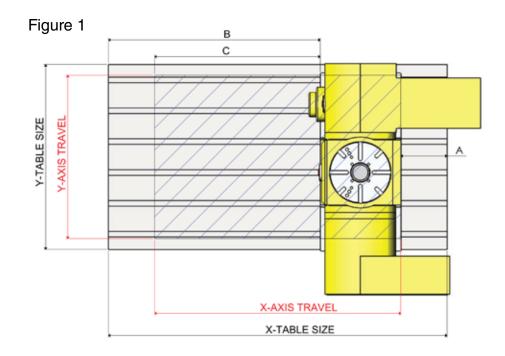


For multi-spindle units please contact us.



# **Okuma: 852V | 1052VII**





	Tailstock/Support Table Part #	852V	1052VII		
X-Y Axis Travel		80.71" X 33.46" (2050 X 850mm)	80.71" X 33.46" (2050 X 1060mm)		
X-Y Table Size		86.61" X 33.46" (2200 X 850mm)	86.61" X 33.46" (2200 X 1050mm)		
5AX-250					
	А	5.91" (150mm)	n/a		
Work Envelope	В	69.88" (1775mm)	n/a		
	С	66.93" (1700mm)	n/a		
5AX-350					
	А	5.91" (150mm)	5.91" (150mm)		
Work Envelope	В	68.31" (1735mm)	68.31" (1735mm)		
	С	65.35" (1660mm)	65.35" (1660mm)		

For more detailed information, please contact us.



# Okuma: MA-500HA/B | MA-600HA/B | MA-800HB

### **GENERAL MACHINE SPECIFICATIONS**







	MA-500HA/B	MA-600HA/B	MA-800HB
TRAVEL X-AXIS	27.56 in. (700 mm)	39.37 in. (1,000 mm)	55.12 in. (1,400 mm)
TRAVEL Y-AXIS	35.43 ir	n. (900 mm)	49.21 in. (1,250 mm)
TRAVEL Z-AXIS	30.71 in. (780 mm)	39.37 in. (1,000 mm)	49.21 in. (1,250 mm)
MAX. LOAD CAPACITY	1,760 lbs. (798 kg)	2,640 lbs. (1,197 kg)	4,400 lbs. (2,000 kg)
FEED RATE - RAPID X/Y/Z	2,362 in./min	(60,000 mm/min)	1,969 in./min (50,000 mm/min)
Okuma Interface # CNC 321T	615-14F3-9	1	_
Okuma Interface # CNC 401T	615-14F4-9	616-14F4-9	_
Okuma Interface # CNC 601T	-	616-14F5-9	617-14F5-9



### CNC321T

- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines andd special purpose applications.

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	New Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
12.5" (321mm)	HYD.	1298	0.001°	22.2	1/120	15	485	424.8	±4



- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines and special purpose applications.

### CNC401T

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	New Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
15.5" (401mm)	AIR/HYD.	1298	0.001°	22.2	1/120	15	540	318	±4



### CNC601T

- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines and special purpose applications.

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	New Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
23.5" (601mm)	AIR/HYD.	3433	0.001°	11.1	1/180	15	1157	673.2	±4

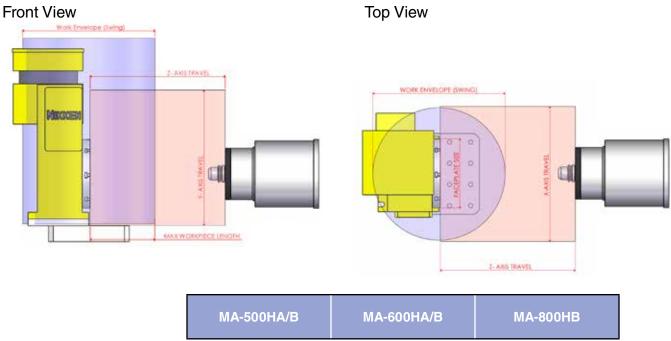


For Support Tailstock and Chuck Accessories, go to page 48



# Okuma: MA-500HA/B | MA-600HA/B | MA-800HB





	MA-500HA/B	MA-600HA/B	MA-800HB
XYZ Axis Travel	27.56" X 35.43" X 30.71" (700 X 900 X 780mm)	39.37" X 35.43" X 39.37" (1000 X 900 X 1000mm)	55.12" X 49.21" X 49.21" (1400 X 1250 X 1250mm)
Pallet Size	39.37" X 18.11" (500 X 500mm)	24.80" X 24.80" (630 X 630mm)	24.80" X 24.80" (630 X 630mm)
CNC 321T			
Face Plate Size	12.60" (320mm)	n/a	n/a
Max Workpiece Length	15.75" (400mm)	n/a	n/a
Work Envelope (Swing)	31.50" (800mm)	n/a	n/a
CNC 401T			
Face Plate Size	15.75" (400mm)	15.75" (400mm)	n/a
Max Workpiece Length	15.75" (400mm)	19.69" (500mm)	n/a
Work Envelope (Swing)	31.50" (800mm)	39.37" (1000mm)	n/a
CNC 601T			
Face Plate Size	n/a	23.62" (600mm)	23.62" (600mm)
Max Workpiece Length	n/a	19.69" (500mm)	27.56" (700mm)
Work Envelope (Swing)	n/a	39.37" (1000mm)	55.12" (1400mm)

For more detailed information, please contact us.





# Okuma: MB-4000H | MB-5000H

### **GENERAL MACHINE SPECIFICATIONS**





	MB-4000H	MB-5000H
TRAVEL X-AXIS	22.05 in. (560 mm)	29.92 in. (760 mm)
TRAVEL Y-AXIS	22.05 in. (560 mm)	29.92 in. (760 mm)
TRAVEL Z-AXIS	24.61 in. (625 mm)	29.92 in. (760 mm)
MAX. LOAD CAPACITY	880 lbs. (400 kg)	1,100 lbs. (500 kg)
FEED RATE - RAPID X/Y/Z	2,362 in./min (60	0,000 mm/min)
Okuma Interface # CNC 260T	644-1471-9	-
Okuma Interface # CNC 321T	-	645-14F3-9



- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines and special purpose applications.

### CNC260T

Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
10/12" (206/30mm)	AIR	433.6	0.001°	16.6	1/120	20	353	141.6	±4



- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines and special purpose applications.

### **CNC321T**

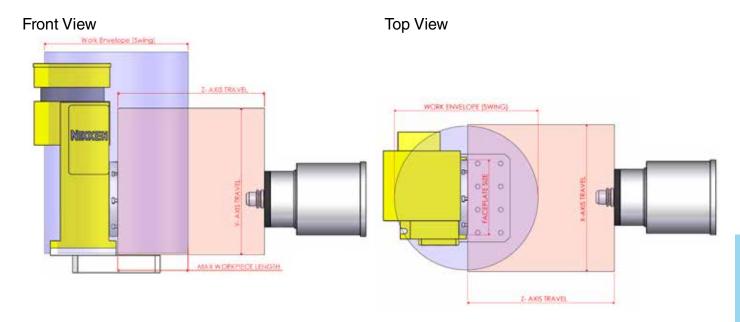
Faceplate Diameter	Brake System	Brake Torque ft. lbs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)			
12.5" (321mm)	HYD.	1298	0.001°	22.2	1/120	15	485	424.8	±4			



For Support Tailstock and Chuck Accessories, go to page 48

# Okuma: MB-4000H | MB-5000H





	MB-4000H	MB-5000H		
XYZ Axis Travel	22.05" X 22.05" X 24.61" (560 X 560 X 625mm)	29.92" X 29.92" X 29.92" (760 X 760 X 760mm)		
Pallet Size	15.75" X 15.75" (400 X 400mm)	19.69" X 19.69" (500 X 500mm)		
CNC 260 T				
Face Plate Size	10.24" (260mm)	n/a		
Max Workpiece Length	11.81" (300mm)	n/a		
Work Envelope (Swing)	23.62" (600mm)	n/a		
CNC 321T				
Face Plate Size	n/a	12.60" (320mm)		
Max Workpiece Length	n/a	15.75" (400mm)		
Work Envelope (Swing)	n/a	31.50" (800mm)		

For more detailed information, please contact us.





# Okuma: MB-4000H | MB-5000H | MB-8000H

### **GENERAL MACHINE SPECIFICATIONS**







	MB-4000H	MB-5000H	MB-8000H	
TRAVEL X-AXIS	22.05 in. (560 mm)	29.92 in. (760 mm)	51.18 in. (1,300 mm)	
TRAVEL Y-AXIS	22.05 in. (560 mm)	29.92 in. (760 mm)	43.31 in. (1,000 mm)	
TRAVEL Z-AXIS	24.61 in. (625 mm)	29.92 in. (760 mm)	49.21 in. (1,250 mm)	
MAX. LOAD CAPACITY	880 lbs. (400 kg)	1,100 lbs. (500 kg)	4,400 lbs. (2,000 kg)	
FEED RATE - RAPID X/Y/Z	2,362 in./min	(60,000 mm/min)	1,969 in./min (50,000 mm/min)	
Okuma Interface # CNC 401T	-	645-14F4-9	_	
Okuma Interface # CNC 601T	-	-	647-14F5-9	



- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines and special purpose applications.

### CNC401T

Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
15.5" (401mm)	AIR/HYD.	1298	0.001°	22.2	1/90	15	540	318	±4



- Swing box application installed on the pallet of the horizontal M/C.
- To avoid interference, the drive motor is mounted on the top side of the table for horizontal machines and special purpose applications.

### **CNC601T**

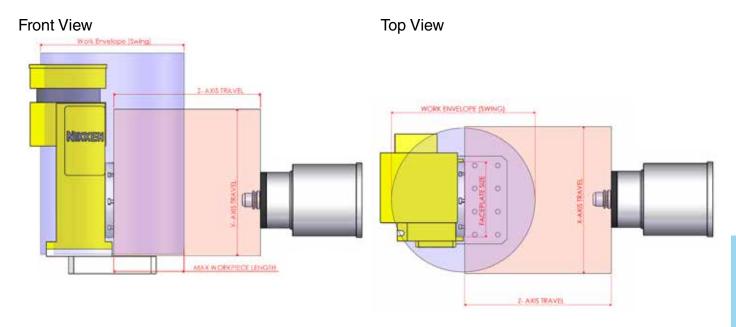
Faceplate Diameter	Brake System	Brake Torque ft. Ibs	Min. Increment	Rotation Speed RPM	Total Reduction Ratio	Indexing Accuracy (sec.)	Net Weight (lbs)	Driving Torque ft. lbs	Repeatability (Arc sec.)
23.5" (601mm)	HYD.	3433	0.001°	11.1	1/180	15	1157	673.2	±4



For Support Tailstock and Chuck Accessories, go to page 48

# Okuma: MB-4000H | MB-5000H | MB-8000H





	MB-4000H	MB-5000H	MB-8000H		
XYZ Axis Travel	22.05" X 22.05" X 24.61" (560 X 560 X 625mm)	29.92" X 29.92" X 29.92" (760 X 760 X 760mm)	51.18" X 43.31" X 49.21" (1300 X 1100 X 1250mm)		
Pallet Size	15.75 X 15.75" (400 X 400mm)	19.69" X 19.69" (500 X 500mm)	31.50" X 31.50" (800 X 800mm)		
CNC 401T					
Face Plate Size	n/a	15.75" (400mm)	n/a		
Max Workpiece Length	n/a	15.75" (400mm)	n/a		
Work Envelope (Swing)	n/a	31.50" (800mm)	n/a		
CNC 601T					
Face Plate Size	n/a	n/a	23.62" (600mm)		
Max Workpiece Length	n/a	n/a	25.59" (650mm)		
Work Envelope (Swing)	n/a	n/a	51.18" (1300mm)		

For more detailed information, please contact us.



# **Multi-Spindle Tilting Rotary Tables**

For Multi-Spindle Tilting Rotary Table, please contact us with the required faceplate diameters, fixture attachment (e.g. Power Chuck ect), the required spindle pitch, the M/C model and the type of NC.









5AX-2MT-200-250



CNC260-2W

CNC202-2W



0000 mm

CNC100-4W



# **Left Hand Motor Style**







CNC202B



**CNC321B** 



# **Tailstock & Support Tables Accessories**











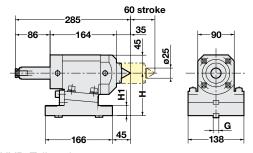




# 15 stroke 12

### Manual Tailstock

Code No.		Center Height H	A	В	С	D	E	F	G	Weight (kg)
P	-105S	102~110	27	150	76	74	120	195	14	10
Р	-125S	125~135	27	150	76	74	120	210	14	11.5
Р	-150S	145~160	25	195	98	102	145	210	18	22
Р	-170S	160~180	25	195	98	102	145	210	18	22.5
P	-230S	220~240	25	195	98	102	145	250	18	27



### AIR/HVD Tailstock

AIR/HYD. Ialistock												
Code No.	Center	Н,	G	Thrus	Weight							
Goue No.	Height H	''1	u	Air 0.5 MPa	Hyd. 2MPa	(kg)						
PBA-105	105	25	14	1176	4733	15						
PBA-135	135	55	14	1176	4733	20						
PBA-150	150	70	18	1176	4733	22						
PBA-170	170	90	18	1176	4733	24.5						
PBA-180	180	100	18	1176	4733	25.5						

# 100 stroke

### Hydraulic Tailstock

Code No.	Center	ш	G	Thrust (N)	Weight	
Code No.	Height H	H <sub>1</sub>	G	Hyd. 3.5MPa	(kg)	
H-150S	145~160	191	18	5370	28	
H-170S	160~180	211	18	5370	35	
H-230S	220~240	211	18	5370	45	

### **Support Tables**

Small Size Support Table TAT (JAPAN PAT)

Sinal Size Support lable IAI (JAI AN. I AI)												
Code No.	А	В	С	D	Е	Clamping system	Brake Torque (N∙m)	Weight (kg)				
TAT105	155	105	175	105	113	Air	205	16				
TAT170	155	135	220	170	138	Air	205	25				

### Support Table TAT

Code No.	А	В	С	D	Е	Clamping system	Brake Torque (N∙m)	Weight (kg)
TAT250	250	170	295	250	145	AIR/HYD.	112/ <sub>784</sub>	50
TAT320	400	230	390	320	250	Hyd.	1470	120
TAT400	400	230	430	400	250	Hyd.	1470	140

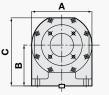
### **TAT105**

**TAT250** 











# **Nikken Controller Specifications**



- Single M signal provides Various Automatic Operation. Any unequal dividing, equal dividing, arc cutting, lead cutting etc. can be done very easily.
- RS232C Interface is provided as standard.

  Block data/ parameter data can be up loaded/down loaded through
  RS232C interface. Moreover when the direct angle command interface is used,
  all program and management can be done on M/C side.

  JAPAN PAT.

### Up Grade of Water Proof Characteristic EMC Assessment

The direct out type connection is applied for all models of CNC rotary table, and the EMC assessment is satisfied as the total system.

### ■ The Latest Designed Digital Servo System

The dimension of the servo motor became more compact and the torque is powered up.

Very excellent acceleration/deceleration characteristics, the powered up torque and the best suited servo parameter realize the high quality and long life.

### Plenty of Optional Functions

True Closed Loop, Manual Pulse Generator, M Function (Input: 5/ Output: 5), External N Number Search, External Position Display, External Power ON/OFF, Pitch Error Compensation

### More than 25,000 sets working in the field.

This fact ensures the highest reliability.



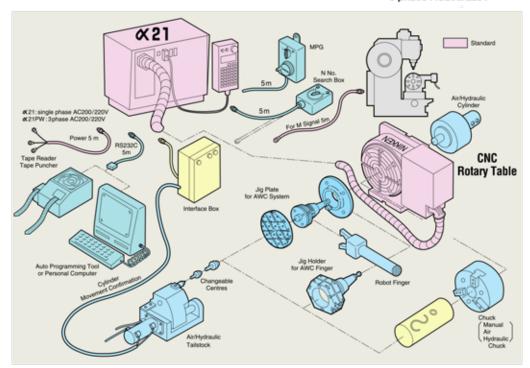
- Power up (1.3KW, 1.8KW) 540×360×400 28kg
- · 3 phase AC200/220V



≪21 controller for larger capacity

(2.7KW, 4.4KW and 11kW) is available.

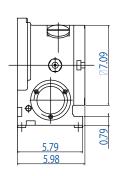
· 3 phase AC200/220V

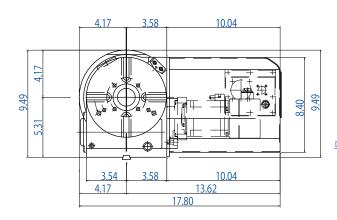






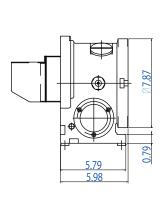
### **CNC180**

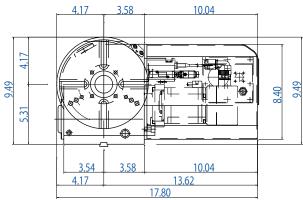


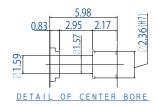




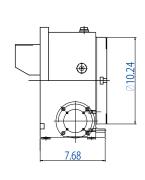
# **CNC202**

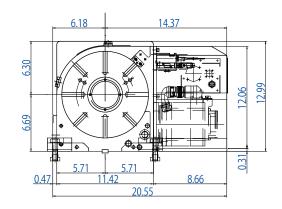






# **CNC260**



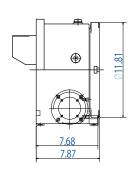


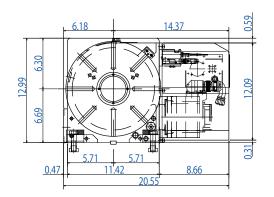


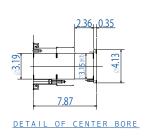
# **Rotary Table Dimensions**



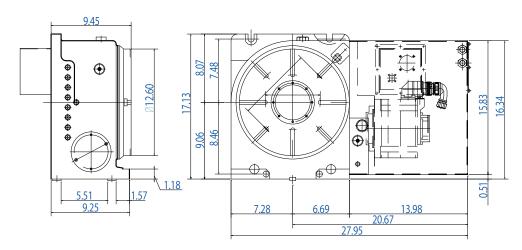
# **CNC302**

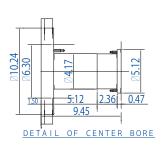






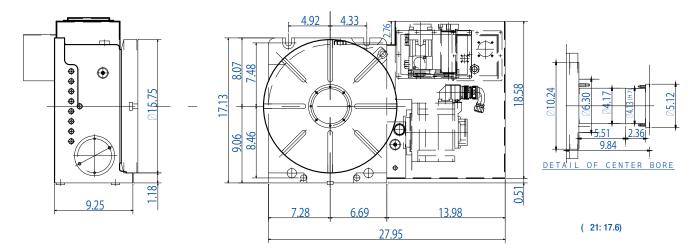
# **CNC321**



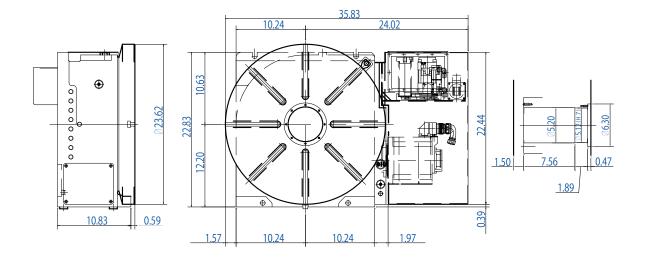




### **CNC401**



# **CNC601**

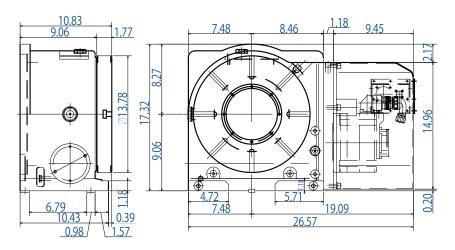


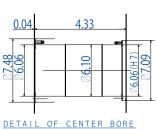


# **Rotary Table Dimensions**

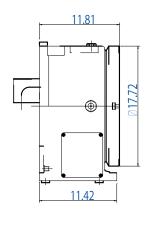


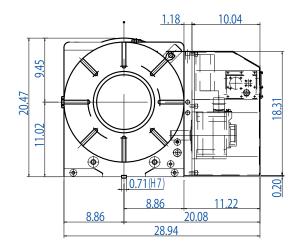
# **CNCB350**

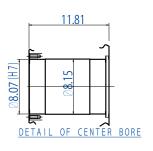




# **CNCB450**

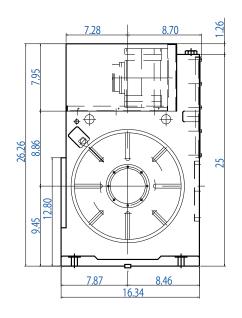


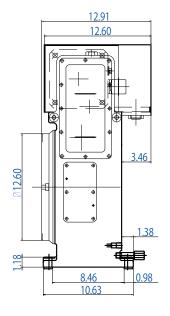


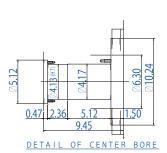




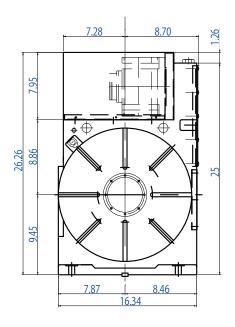
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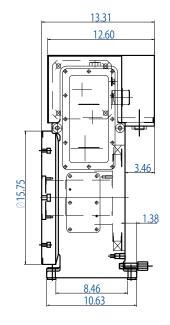


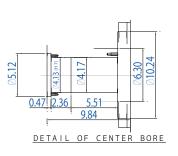




# **CNC401T**



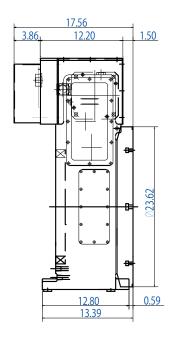


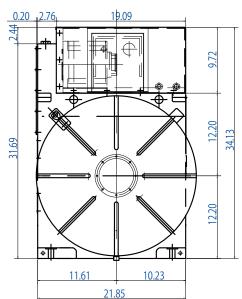


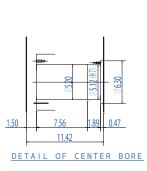
# **Rotary Table Dimensions**



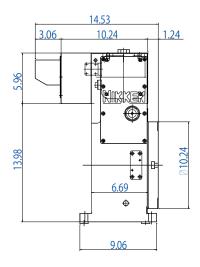
### **CNC601T**

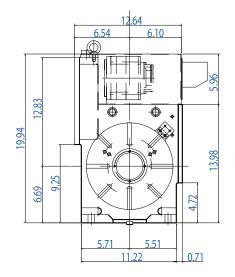


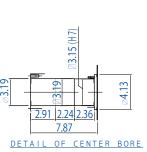




## CNC260T

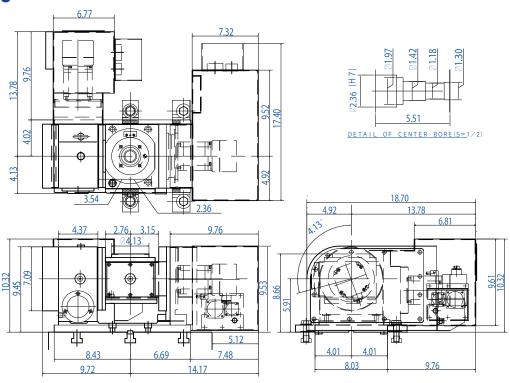




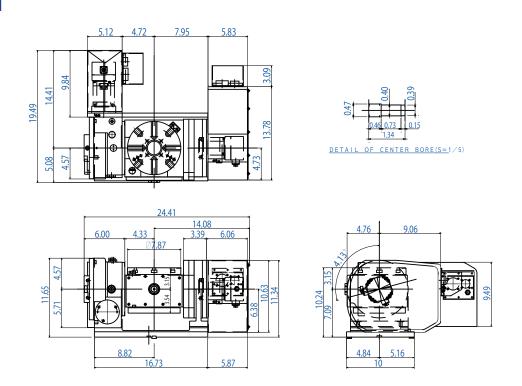




# 5AX-130



### 5AX-201

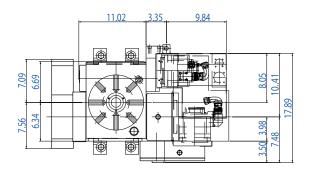


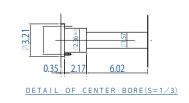


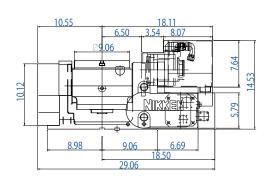
# **Rotary Table 5-AX Dimensions**

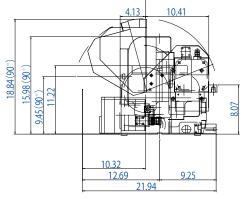


### 5AX-230

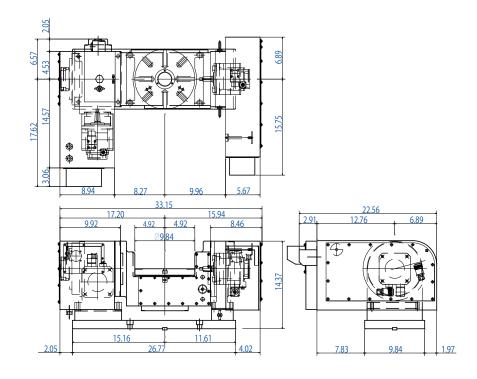






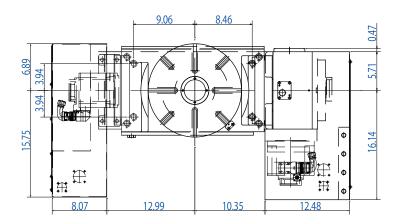


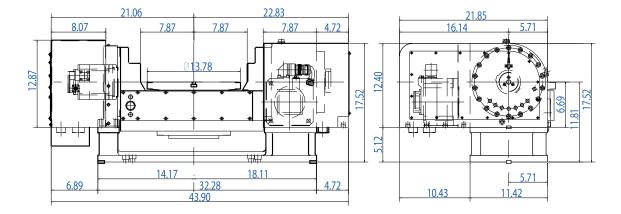
# 5AX-250





# 5AX-350







# Our Mission: Advanced Technology and Leading Innovation

At Lyndex-Nikken, we have made it our mission to provide the two things our customers need most: advanced technology and the innovation to keep it moving forward.

With a history rich in innovation and a focus on the technology of the future, Lyndex-Nikken has become the leader in manufacturing innovation. Our industry-leading design and capabilities give us the power to create ground-breaking tools and machine tool accessories that will perform with amazing precision and reliability.

All of our products are made in Japan, ensuring an extremely high level of quality and long-term resistance. We are continually striving to improve our technology through constant innovation to enhance the respect and reliability that our products have thus far earned within their respective industries.

Not only are we committed to providing the highest quality of equipment, but also the highest quality of service and customer care. Our team of highly experienced technicians and product specialists offers unmatched customer service and engineering support to our customers worldwide.

As an international company with offices conveniently located throughout Europe, Asia, and the United States, Lyndex-Nikken is there to serve you, no matter where you are.





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