

Linear Ways Series



- The column is a moving for increased efficiency
- Linear ways on the X, Z-axis combined with box ways on the Y-axis allow for higher feed rate and feature outstanding stability in heavy cutting
- The spindle rotation is transmitted through a gearbox providing high low two step speed change.
- Rotary table with 1° indexing is standard, 0.001° indexing is optional

CNC MACHINING CENTERS & CNC LATHES

Complete Product Range for Total Solutions

Vertical Machining Centers – Linear Ways

Model	X / Y / Z Axis Travel	Working Surface	SP. RPM	Power KW	Spindle
Industry High Speed Precision Series					
YL 850-B	850 x 510 x 530 mm (33.46 x 20.07 x 20.86 inch)	850 x 500 mm (33.4 x 19.68 inch)	10000	7.5 / 11 (15HP)	BBT40
YL 1000-B	1020 x 600 x 610 mm (40.15 x 23.62 x 24.01 inch)	1100 x 560 mm (43.3 x 22.04 inch)	10000	7.5 / 11 (15HP)	BBT40
High Speed High Precision Series					
YL 1200-A	1200 x 650 x 610 mm (47.2 x 25.59 x 24.01 inch)	1300 x 620 mm (51.18 x 24.41 inch)	10000	7.5 / 11 (15HP)	BBT40
YL 1400-A	1400 x 650 x 610 mm (55.1 x 25.59 x 24.01 inch)	1400 x 620 mm (55.11 x 24.41 inch)	10000	7.5 / 11 (15HP)	BBT40
YL 1600-A	1600 x 650 x 645 mm (62.99 x 25.59 x 25.39 inch)	1600 x 620 mm (62.99 x 24.41 inch)	10000	7.5 / 11 (15HP)	BBT40
YL 1800-A	1800 x 650 x 645 mm (70.86 x 25.59 x 25.39 inch)	1800 x 620 mm (70.86 x 24.41 inch)	10000	7.5 / 11 (15HP)	BBT40
YL 2000-A	2000 x 650 x 645 mm (78.74 x 25.59 x 25.39 inch)	2000 x 620 mm (78.74 x 24.41 inch)	10000	7.5 / 11 (15HP)	BBT40
Large High Speed Precision Series					
YL 1690-A	1650 x 900 x 900 mm (64.96 x 35.43 x 35.43 inch)	1600 x 800 mm (62.99 x 31.49 inch)	8000	15 / 18.5 (25HP)	BT50
YL 1890-A	1850 x 900 x 900 mm (72.83 x 35.43 x 35.43 inch)	1800 x 800 mm (70.86 x 31.49 inch)	8000	15 / 18.5 (25HP)	BT50
YL 2090-A	2050 x 900 x 900 mm (80.71 x 35.43 x 35.43 inch)	2000 x 800 mm (78.74 x 31.49 inch)	8000	15 / 18.5 (25HP)	BT50
5 Axis Vertical					
YLX 250	600 x 500 x 480 mm (23.62 x 19.68 x 18.89 inch)	∅250 mm (9.84 inch)	12000	7.5 / 11 (15HP)	BBT40
YLX 350	800 x 600 x 550 mm (31.49 x 23.62 x 21.65 inch)	∅350 mm (13.77 inch)	12000	7.5 / 11 (15HP)	BBT40

Horizontal Boring & Milling Machines

Model	X / Y / Z Axis Travel	W Axis Travel	Table Sizes	Max. Spindle Speed	Total Magazine Storage Capacity
YBH3000A	3000 x 1700 x 1700 mm 118.11 x 66.92 x 66.92 inch	500 mm 19.68 inch	1400 x 1600 mm 55.11 x 62.99 inch	2500 rpm	60pcs, chain type
YBH3000B	3000 x 1700 x 1700 mm 118.11 x 66.92 x 66.92 inch	700 mm 27.55 inch	1400 x 1600 mm 55.11 x 62.99 inch	2500 rpm	60pcs, chain type



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ISO-9001



Group

VERTICAL MACHINING CENTERS

■ Box Ways Series ■ 4 Box Ways



Heavy Column

The box type massive column is scientifically rib reinforced to achieve greater stability when performing heavy cutting.



4 Box Ways on Base

The massive base is designed with 4 box ways combined with large span between the ways. This provides a firm support for heavy loads without deformation of the table.

Vertical Machining Centers – Box Ways

Model	X / Y / Z Axis Travel	Working Surface	SP. RPM	Power KW	Spindle
4 Box Ways					
YH 1000-A	1020 x 610 x 610 mm (40.15 x 24.01 x 24.01 inch)	1100 x 620 mm (43.3 x 24.40 inch)	6000	11 / 15 (20HP)	BT50
YH 1200-A	1200 x 610 x 610 mm (40.24 x 24.01 x 24.01 inch)	1300 x 620 mm (51.18 x 24.40 inch)	10000	7.5 / 11 (15HP)	BBT40
YH 1461-A	1400 x 610 x 610 mm (55.11 x 24.01 x 24.01 inch)	1400 x 620 mm (51.11 x 24.40 inch)	10000	7.5 / 11 (15HP)	BBT40
YH 1400-A	1400 x 810 x 810 mm (55.11 x 31.89 x 31.89 inch)	1600 x 840 mm (62.99 x 33.07 inch)	6000	15 / 18.5 (25HP)	BT50
YH 1600-A	1600 x 810 x 810 mm (62.99 x 31.89 x 31.89 inch)	1800 x 840 mm (70.86 x 33.07 inch)	6000	15 / 18.5 (25HP)	BT50
YH 1800-A	1800 x 810 x 810 mm (70.86 x 31.89 x 31.89 inch)	2000 x 840 mm (78.74 x 33.07 inch)	6000	15 / 18.5 (25HP)	BT50

Positioning Accuracy : ±0.005/300mm Repeatability Accuracy : ±0.003mm

CNC LATHES

Boosting Efficiency in Large Parts Turning.

The Ultimate Performance in Heavy and Precision Cutting.



▲ 45° Slant Saddle



▲ 30° Slant Saddle



High Speed Turning Fully Meets Your Expectations for Efficiency

Your No.1 choice for highly efficient lathes.

CNC Lathes

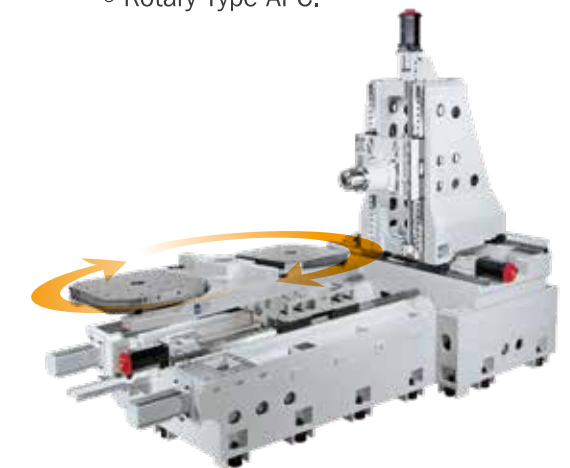
Model	Swing Over Bed	Z Axis	X Axis	Y Axis	Chuck	Sub-Spindle	Live Tool
Box Ways							
YTB 8540	Ø400 mm (15.7 inch)	540 mm (21 inch) 400 mm (15.75 inch)(VDI)	185 mm (7.28 inch)	-	8"	-	VDI
Linear Ways							
YTL 8540	Ø400 mm (15.7 inch)	540 mm (21 inch) 400 mm (15.75 inch)(VDI)	185 mm (7.28 inch)	-	8"	-	VDI
YTL 101000	Ø600 mm (23.62 inch)	1000 mm (39.37 inch)	320 mm (12.60 inch)	-	10"	6"	VDI / BMT
Multi-tasking Turning Center							
YTH 10700E	Ø430 mm (16.92 inch)	700 mm (27.55 inch)	190 mm (7.48 inch)	-	10"	-	-
YTH 10700 / 101100	Ø600 mm (23.62 inch)	700 / 1100 mm (27.55 / 43.3 inch)	255 mm (10.03 inch)	-	10"	-	VDI
YTH 12700 / 121100	Ø600 mm (23.62 inch)	700 / 1100 mm (27.55 / 43.3 inch)	255 mm (10.03 inch)	-	12"(15")	-	VDI
YTH 10800 / 101300	Ø670 mm (26.37 inch)	800 / 1300 mm (31.49 / 51.18 inch)	300 mm (11.81 inch)	±50 mm	10"	6"	VDI / BMT
YTH 12800 / 121300	Ø670 mm (26.37 inch)	800 / 1300 mm (31.49 / 51.18 inch)	300 mm (11.81 inch)	±50 mm	12"	6"	VDI / BMT
YTH 15800 / 151300	Ø670 mm (26.37 inch)	800 / 1300 mm (31.49 / 51.18 inch)	300 mm (11.81 inch)	±50 mm	15"(18")	6"	VDI / BMT

Positioning Accuracy : ±0.005/300mm Repeatability Accuracy : ±0.003mm

HORIZONTAL MACHINING CENTERS

Traveling Column

The oversized column design in combination with rib reinforcement eliminates the possibility of structural deformation. The column bottom is enlarged to increase rigidity and stability. This structure exhibits outstanding vibrational dampening, especially when performing heavy cutting.



Integrated Structure

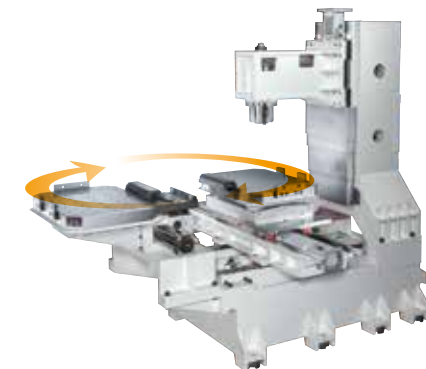
- The entire Auto Pallet Change Unit is installed on the machine base, allowing high speed and reliable pallet changing performance.
- Rotary Type APC.

Horizontal Machining Centers

Model	X / Y / Z Axis Travel	Working Surface	SP. RPM	Power KW	Spindle
YMH 400	800 x 600 x 700 mm (31.5 x 23.62 x 27.56 inch)	400 x 400 mm (15.75 x 15.75 inch)	60 - 12000	11 / 15 (20HP)	BBT40
YMH 500	800 x 600 x 700 mm (31.5 x 23.62 x 27.56 inch)	500 x 500 mm (19.69 x 19.69 inch)	60 - 12000	11 / 15 (20HP)	BBT40
YMH 630	1000 x 800 x 950 mm (39.37 x 31.5 x 37.40 inch)	630 x 630 mm (24.80 x 24.80 inch)	60 - 6000	22 / 26 (35HP)	BT50
YMH 800	1000 x 750 x 900 mm (39.37 x 29.53 x 35.43 inch)	800 x 800 mm (31.50 x 31.50 inch)	60 - 6000	22 / 26 (35HP)	BT50

Positioning Accuracy : ±0.015mm Repeatability Accuracy : ±0.008mm

PALLET CHANGER



YL850-B+APC

High Speed Automatic Pallet Changer - Excellent for Mass Production Lines!



Automatic Pallet Changer

Model	X / Y / Z Axis Travel	Working Surface	SP. RPM	Power KW	Spindle
YL 850-B+APC	850 / 500 / 530 mm (33.46 x 19.68 x 20.86 inch)	700 x 500 mm (27.55 x 19.68 inch)	10000	7.5 / 11 (20HP)	BBT40

Positioning Accuracy : ±0.005/300mm Repeatability Accuracy : ±0.003mm