

A subsidiary of Japan based, Takisawa Machine Tool Co., Takisawa Taiwan offers a broad range of turning centers with advanced technological features providing customers with solutions that maximize productivity while still offering exceptional value.

As the leading manufacturer of CNC lathes excelling in the automotive, aerospace, oil, electronics, medical and energy industries, Takisawa Taiwan is committed to providing advanced world-class manufacturing expertise and superior product quality.

TAKISAWA TAIWAN TURNING CENTERS

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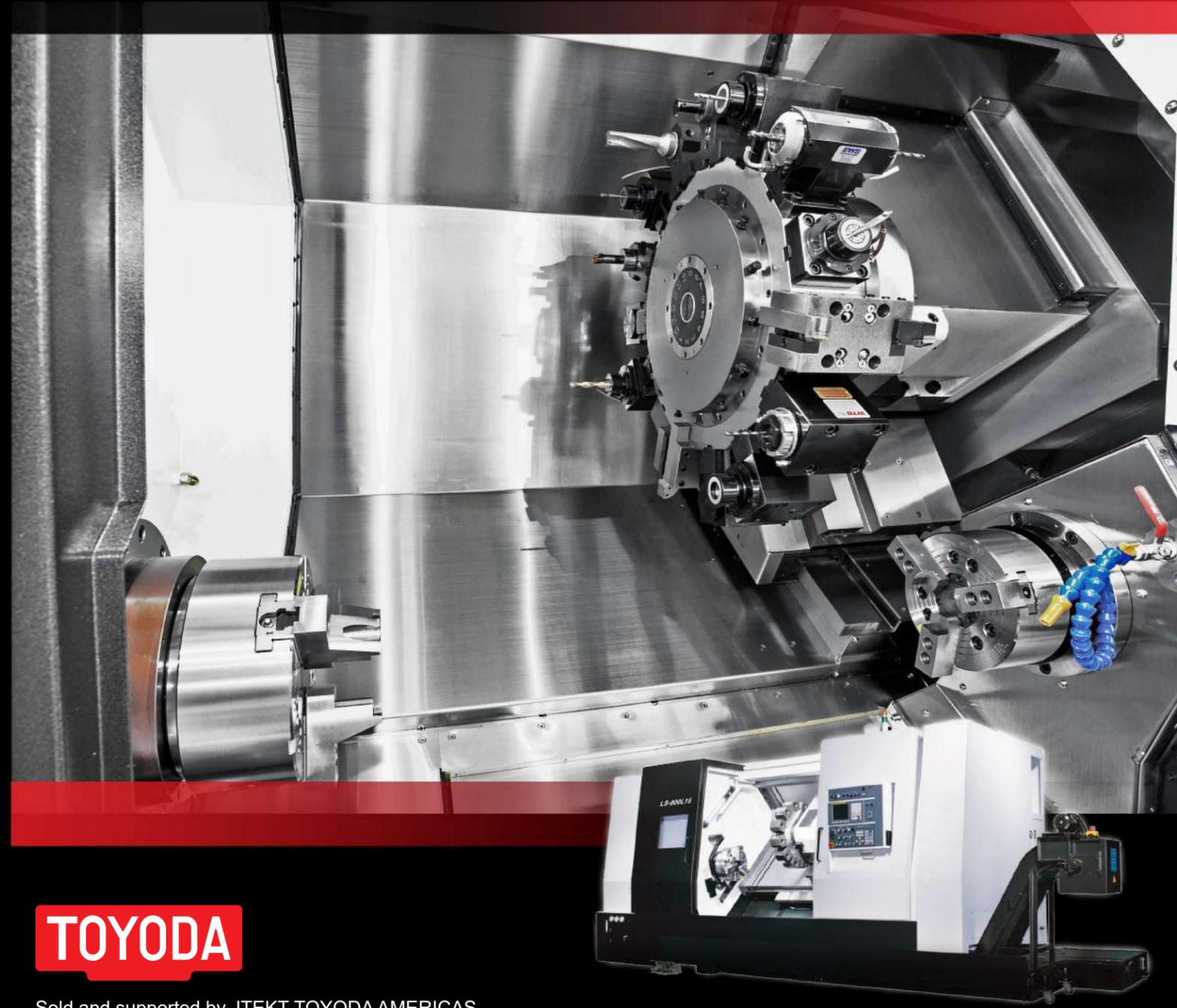
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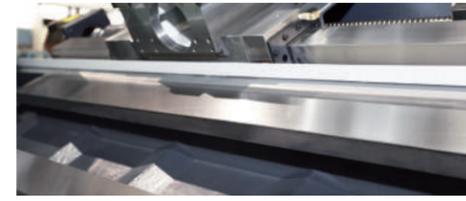
TOYODA

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Your local distributor is:



SINGLE PIECE MEEHANITE CASTING

Takisawa Taiwan lathes feature a true slant bed, hand-scraped machine casting, meaning the machine bed is manufactured with the slant built in. The advantages of a true slant bed design offers more rigidity and thermal stability, but also provides better chip evacuation.



POWERFUL SPINDLE

Takisawa Taiwan designs, engineers and manufactures their own spindles in-house. Their spindles incorporate double rows of Japanese cylindrical bearings to improve the quality and accuracy of machining. Takisawa Taiwan's highly rigid spindle is designed to resist deformation, to provide powerful turning capability and durability.



RIGID TURRET

Takisawa Taiwan produces their own series of extra heavy duty Servo-controlled turrets featuring rapid positioning and maximum clamping force. Because Takisawa Taiwan manufactures their own turrets in-house, they are able to fit the right turret in the right machine. Some machines feature 15 station or 16 station turrets that can be fitted with a driven tool, in any turret position, for machining flexibility.



Takisawa Taiwan Turning Centers
Takisawa Taiwan offers a broad range of turning centers with advanced technological features to provide its customers solutions that will maximize productivity and still offer exceptional value.

NEX Series

EX Series

Features

Linear Roller Guideway
Rapid Feed Rates
High-Speed Production Capabilities
Increased Productivity with C and Y Axis Models



Linear Roller Guideway
Live Tooling Turret
Built-in Spindle Motors
Multi-Axis Machining Capabilities

Features

Specifications

Specification/ Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
NEX-105	Ø 140 Flat: Belt Drive Spindle	15.7 (398.8)	7.3 (185.4)	6.7 (170.2)	1.7 (43)	6,000	6	7.5/5.5 kW (10/7.5 HP)	61.5 x 53.8 x 68.1 (1,562 x 1,366 x 1,729)	5,843 (2,650)
NEX-106	Ø140 Flat: Belt Drive Spindle	13.78 (350)	13.78 (350)	9.45 (240)	1.69 (43)	5,000	6	7.5/5.5 kW (10/7.5 HP)	82 x 59 x 65 (2,080 x 1,500 x 1,665)	7,716 (3,500)
NEX-108	A2-6: Belt Drive Spindle	15.75 (400)	18.94 (481)	12.6 (320)		4,000	8	11/7.5 kW (15/10 HP)	86 x 65 x 69.5 (2,190 x 1,660 x 1,765)	9,480 (3,800)
NEX-108M	A2-6: Belt Drive Spindle	18.9 (480)	17.59 (446.8)	10.24 (260)	2.05 (52)	4,000	8	11/7.5 kW (15/10 HP)	86 x 61 x 70 (2,193 x 1,558 x 1,775)	9,480 (4,300)
NEX-108Y			17.5 (444.5)						93 x 66 x 86 (2,372 x 1,672 x 2,107)	9,920 (4,500)
NEX-110	A2-8: Gear Box Spindle	19.49 (495)	25.87 (657)	15.75 (400)	2.95 (75)	3,500	10	18.5/15 kW (25/20 HP)	111 x 69 x 69 (2,830 x 1,760 x 1,755)	11,023 (5,000)
NEX-110M			24.8 (629.8)	13.78 (350)					111 x 71 x 71 (2,830 x 1,805 x 1,805)	13,227 (6,000)
NEX-110Y			25 (635)						111 x 71 x 81 (2,830 x 1,805 x 2,050)	14,330 (6,500)

M: Milling Y: Y-axis Milling

Specification/ Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
EX-2000MT	A2-6: Single Spindle	31.5 (800)	20 (510.5)	15.4 (390)	2.56 (65)	4,500	8	15/11 kW (20/15 HP)	76 x 102.3 x 70.6 (1,932 x 2,600 x 1,795)	11,685 (5,300)
EX-2000MS	A2-6 (M), A2-5 (S): Dual Spindle				2.56 (65) / 2.05 (52)	4,500 (M), 5,000 (S)	8 / 6		76 x 102.3 x 70.5 (1,932 x 2,600 x 1,790)	12,125 (5,500)
EX-2000YT	A2-6: Single Spindle				2.56 (65)	4,500	8		76 x 102.3 x 70.5 (1,932 x 2,600 x 1,790)	12,566 (5,700)
EX-2000YS	A2-6 (M), A2-5 (S): Dual Spindle				2.56 (65) / 2.05 (52)	4,500 (M), 5,000 (S)	8 / 6		76 x 102.3 x 70.5 (1,932 x 2,600 x 1,790)	13,007 (5,900)

M: Main Spindle S: Sub Spindle

Specifications

LA Series

LX Series

Hand Scraped Boxways
True 30 degree Slant Bed Design



Hand Scraped Boxways
10" Chuck Lathe
Available with Milling and Y-Axis



Specification/Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
LA-200	A2-6: Belt Drive Spindle	18.5 (470)	11.8 (300)	12.6 (320)	2.05 (52)	3,200	8	11/7.5 kW (15/10) HP	71 x 54 x 65 (1,803 x 1,371 x 1,660)	7,054 (3,200)
LA-200L			23.6 (600)						84.6 x 71 x 65 (2,150 x 1,809 x 1,660)	8,380 (3,800)
LA-200M			11.2 (284.4)	79 x 62 x 69 (2005 x 1568 x 1,765)					7,275 (3,300)	
LA-200ML			23 (585)	9.8 (250)					92 x 76 x 69 (2,348 x 1,935 x 1,765)	8,710 (3,950)
LA-250	A2-8: Gear Box Spindle	22.8 (580)	30 (765)	17.7 (450)	2.95 (75)	3,500	10	18.5/15 kW (25/20) HP	115.2 x 77.2 x 71.4 (2,925 x 1,962 x 1,815)	9,920 (4,500)
LA-250L			45.9 (1,166)						145 x 77.2 x 73.6 (3,682 x 1,962 x 1,870)	16,430 (7,450)
LA-250M			28.9 (734)	16.5 (420)					115.2 x 77.2 x 71.4 (2,925 x 1,962 x 1,815)	10,031 (4,550)
LA-250ML			44.6 (1,134)						145 x 77.2 x 73.6 (3,682 x 1,962 x 1,870)	16,534 (7,500)
LA-250Y			24.39 (746.5)	13.8 (350)					115.2 x 79.8 x 82.5 (2,925 x 2,027 x 2,095)	13,668 (6,200)
LA-250YL			45.1 (1,146.5)						145 x 79.8 x 82.5 (3,682 x 2,027 x 2,095)	20,502 (9,300)
LA-250YS	A2-8/A2-6: Twin Spindle, Built In Spindle	23.6 (600)	29 (737)	14.56 (370)	M:2.95 (75) / S:2 (52)	3,500	M:10 / S:8	22/15 kW (30/20) HP / S:11/7.5 kW (15/10) HP	139 x 77 x 89 (3,535 x 1,965 x 2,250)	17,637 (8,000)

L: Long Bed M: Milling S: Sub spindle Y: Y-axis Milling

Specification/Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
LX-2500	A2-8	24.6 (625)	28.8 (732)	T12: 17.7 (450), T10: 18.5 (470)	Built-in P Motor: 3.19 (81), Gear Box: 2.95 (75)	Built-in P Motor: 3,000, Gear Box: 3,500	10	Built-in Motor: 22/15 (30/20), Gear Box: 18.5/15 (25/20), P motor: 18.5/15 (25/20)	77 x 118 x 72 (1,967 x 3,000 x 1,830)	13,558 (6,150)
LX-2500M			24.5 (698)	16.5 (420)					77 x 118 x 85 (1,967 x 3,000 x 2,169)	13,779 (6,250)
LX-2500Y			28.7 (730)							14,550 (6,600)

L: Long Bed M: Milling Y: Y-axis Milling

LA Series

LS Series

Features



Hand Scraped Boxways
True 45 degree Slant Bed Design



Box Guideway
Fine Ground Precision Gearbox
High Cutting Torque
Larger Workpiece Capacity
Milling and Y Axis Models Available
True 45 Degree Slant Bed Design

Specification/Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
LA-300	A2-8	22.8 (580)	45.2 (1,150)	17.7 (450)	3.5 (90)	3,000			143 x 76 x 72.9 (3,682 x 1,962 x 1,870)	16,424 (7,450)
LA-350 (L8/L16/L22)	A2-11: Gear Box Spindle	30.7 (780)	L8 - 31.5 (800)	21.6 (550)	4.6 (117)	2,500 (2,000)	12 (15*)	22/18.5 kW (30/25 HP)	L8 - 208 x 80.6 x 85 (5,287 x 2,047 x 2,159)	L8 - 17,637 (8,000) L16 - 19,841 (9,000) L22 - 24,691 (11,200)
LA-350M (L16)			L16 - 63 (1,600)						L16 - 250 x 83.4 x 85 (6,336 x 2,119 x 2,159)	
LA-450 (L8/L16/L22)			L16 - 63 (1,600)	L16 - 250 x 83.4 x 85 (6,336 x 2,119 x 2,159)						
LA-450M (L16)			L22 - 88.2 (2,240)	L22 - 280 x 83.4 x 85 (7,136 x 2,119 x 2,159)						

Specification/Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm) L10 / L15 / L20 / L30	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
LS-800A	A2-8: Gear Box Spindle	32.7 (830)	43.3 / 63 / 82.7 / 122 (1,100 / 1,600 / 2,100 / 3,100)	29.9 (760)	3.5 (90)	2,000	15	26/22 kW (35/30 HP)	L10 - 179 x 84 x 95 (4,538 x 2,146 x 2,402) L15 - 195 x 84 x 85 (4,968 x 2,146 x 2,402) L20 - 223 x 84 x 95 (5,658 x 2,146 x 2,402) L30 - 264 x 84 x 95 (6,700 x 2,146 x 2,402)	22,487 (10,200) - 32,628 (14,800)
LS-800B	A2-11: Gear Box Spindle		43.1 / 62.8 / 82.5 / 121.85 (1,095 / 1,595 / 2,095 / 3,095)		4.1 (105)	1,500	26/22 kW (35/30 HP) OP 37/30 kW (50/40 HP)	22,707 (10,300) - 33,289 (15,100)		
LS-800C	A2-15: Gear Box Spindle		41.3 / 61 / 76.8 / 116.1 (1,050 / 1,550 / 1,950 / 2,950)		7.1 (180)	1,200	37/30 kW (50/40 HP)	25,353 (11,500) - 35,494 (16,100)		
LS-800MA	A2-8: Gear Box Spindle		38.9 / 58.6 / 78.3 / 117.6 (988 / 1,488 / 1,988 / 2,988)		3.5 (90)	2,000	26/22 kW (35/30 HP)	22,707 (10,300) - 33,069 (15,000)		
LS-800MB	A2-11: Gear Box Spindle	23.6 (600)	38.8 / 58.46 / 78.1 / 117.5 (985 / 1,485 / 1,985 / 2,985)	26.8 (680)	4.1 (105)	1,500	15	26/22 kW (35/30 HP) OP 37/30 kW (50/40 HP)	L20 - 221.7 x 94 x 108.7 (5,632 x 2,394 x 2,762) L30 - 270.9 x 113.9 x 108.7 (6,882 x 2,893 x 2,762)	23,369 (10,600) - 33,510 (15,200)
LS-800MC	A2-15: Gear Box Spindle		36.9 / 56.6 / 76.26 / 115.6 (937 / 1,437 / 1,937 / 2,937)		7.1 (180)	1,200	37/30 kW (50/40 HP)	23,369 (10,600) - 33,510 (15,200)		
LS-800YA	A2-11: Gear Box Spindle		75.4 / 114.6 (1,914 / 2,914)		23.6 (600)	3.5 (90)	2,000	15		26/22 kW (35/30 HP)
LS-800YB		4.1 (105)								
LS-800YC	A2-11: Gear Box Spindle				7.1 (180)	20	37/30 kW (50/40 HP)			
LS-1000	A2-15: Gear Box Spindle	40.1 (1,020)	40.6 / 60.3 / 83.9 / 123 (1,031 / 1,531 / 2,131 / 3,131)	35.4 (900)	7.1 (180)	1,200 (1,000)	20 (24)	37/30 kW (50/40 HP)	L10 - 186.3 x 95.6 x 98.3 (4,733 x 2,429 x 2,498) L15 - 204.8 x 95.8 x 101.1 (5,202 x 2,434 x 2,568) L20 - 228.7 x 95.6 x 98.3 (5,810 x 2,429 x 2,498) L30 - 278 x 106.7 x 98.6 (7,060 x 2,712 x 2,505)	26,455 (12,000) - 39,683 (18,000)
LS-1000M			38.2 / 57.9 / 77.56 / 116.9 (970 / 1,470 / 1,970 / 2,970)							33.5 (850)
LS-1100	A2-20: Gear Box Spindle	44.1 (1,120)	83.2 / 118.66 / 175.7 (2,114 / 3,014 / 4,464)	35.4 (900)	10 (254)	900	28 US Standard	45/37 kW (60/50 HP)	L20 - 259.6 x 114.9 x 107.7 (6,596 x 2,920 x 2,736) L30 - 288.8 x 112.3 x 107.7 (7,336 x 2,853 x 2,736) L40 - 370.4 x 114.9 x 107.7 (9,410 x 2,920 x 2,736)	52,910 (24,000) - 66,138 (30,000)

Specifications

L: Long Bed M: Milling Y: Y-axis Milling
M: Main Spindle S: Sub Spindle
*Chuck Size Option

FX / MX / VTL Series

TOYODA



Twin Turret, Twin Spindle, High Production Machine

Specification/ Model	Spindle	Max. Turning Length	Max. Turning Diameter	Max. Bar Work Capacity	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
FX-600	Ø 140 Flat: Twin - Belt Spindle	20.1 (510)	11.8 (300)	M, S: 1.65 (42)	M, S: 6,000	6 + 6	M, S: 11/7.5 kW (15/10 HP)	79 x 107 x 86 (2,022 x 2,740 x 2,200)	17,636 (8,000)
FX-800	A2-6 - Built-In Twin Spindle	25.9 (657)	10.2 (260)	M: 2.56 (65) S: 2 (52)	M, S: 4,500	8 + 8	M: 15/11 kW (20/15 HP) S: 11/7.5 kW (15/10 HP)	139 x 94 x 92 (3,530 x 2,394 x 2,340)	27,116 (12,300)
MX-800	A2-6 - Built-In Twin Spindle	9.8 (248.9)	12.2 (309.9)	M, S: 2.56 (65)	4,000	8	M: 15/11 kW (20/15 HP) S: 18.5/15 kW (25/20 HP)	85 x 138 x 87 (2,150 x 3,495 x 2,200)	17,637 (8,000)

X & Y Axis Box Guideway, Z Linear (FX-800)
M: Main Spindle S: Sub Spindle

CNC Vertical Lathe

Specification/ Model	Spindle	Max. Swing	Max. Turning Length	Max. Turning Diameter	Spindle Speed	Chuck Size	Horsepower	Standard Foot Print (L x W x H)	Weight
Unit	-	in (mm)	in (mm)	in (mm)	RPM	in	kW (HP)	in (mm)	lb (Kg)
VTL-350	A2-8: Gear Box Spindle	23.6 (600)	16.4 (416.5)	18.1 (460)	2,500	12	26/22 kW (35/30 HP)	65 x 65 x 108 (1,650 x 1,650 x 2,750)	14,330 (6,500)
16.3 (415)									
15 (381)									
VTL-750	A2-11: Gear Box Spindle	31.5 (800)	27.5 (698)	29.5 (750)	2,000	15	37/30 kW (50/40 HP)	77.5 x 72.8 x 131.7 (1,970 x 1,850 x 3,345)	23,148 (10,500)
25 (636)			28.7 (730)						24,250 (11,000)
VTL-1100	Ø 380 Flat Built In Gear Box Spindle	52.3 (1,330)	39.4 (1,000)	47.2 (1,200)	850	32	55/45 kW (70/60 HP)	128 x 142 x 169.7 (3,255 x 3,605 x 4,310)	55,115 (25,000)
VTL-1100M									56,217 (25,500)

M: Milling

Production Experience

Toyoda is one of the world's largest machine tool builders, but we also have a successful production side to our business. Every year, Toyoda manufactures and sells more than \$1.5 billion in steering and driveline systems to automotive OEMs around the world. This gives our company unique insight into the shop floor challenges our customers face every day.

Proven Technology

Our experience with high-volume production helps us design and build machine tools that perform under pressure. We continually refine processes, build reliable machines, and test them in our own factories. When you decide to buy a Toyoda machining center or grinder for your business, you can be confident that you are investing in proven technology.

Customer Support

Toyoda works closely with its nationwide dealer network to keep local service engineers on call should you need them. In addition, our own factory-trained service engineers are stationed across the U.S., Canada, Brazil and Mexico. Our extensive spare parts inventory (\$26 million) ensures that virtually any replacement part will be shipped to you in 24 hours.

THE TOYODA DIFFERENCE



JTEKT TOYODA AMERICAS CORPORATION

JTEKT Toyoda Americas Corporation is headquartered just northwest of Chicago in Arlington Heights, Illinois. Our offices in Monterrey, Mexico and Indaiatuba, Brazil proudly serve Toyoda's Central and South American customers, while our California and Michigan based Tech Centers cater to their respective regions. Toyoda's Remanufactured Products Division, located just outside Detroit, Michigan, provides rebuild, remanufacturing and service support for the machine tool industry.

The information provided herein should not be construed as a contract. Product designs are subject to change without prior notice. Available machines or machines shown may vary depending on optional equipment or design variations.

Some product features may be photographed with guarding removed for purposes of illustration only. Machinery should never be operated without all proper safety devices in place and functioning.