

GENERAL CATALOG

/// Taiwan TAKISAWA Technology Co., Ltd.

Pingchen /
No. 505, Sec 3, Yenping Rd., Pingchen Dist.,
Taoyuan City, 32453, Taiwan
TEL: +886-3-4643166 FAX: +886-3-4642614

Yangmei /
No. 89, Sec. 1, Meishi Rd., Yangmei Dist.,
Taoyuan City, 32659, Taiwan
TEL: +886-3-4813119 FAX: +886-3-4813185
E-mail: info@takisawa.com.tw

/// Takisawa Mechatronics (Zhejiang) Ltd.

Zhejiang /
188 Baoqun East Road, Jiashan County,
Jiaxing City, Zhejiang Province, China
TEL: +86-573-89103672 FAX: +86-573-89103671

/// TAKISAWA Tech Corp

U.S.A /
15271 Fairfield Ranch Rd., Unit 130,
Chino Hills, CA 91709, U.S.A
TEL: +1-866-606-6143 / +1-909-308-0903
E-mail: joshua.huang@takisawatechcorp.com

/// TAKISAWA Tech Asia Co.,Ltd.

Thailand /
18/31 M.7, Bangchalong, Bangphi,
Samutprakan, 10540. Thailand
TEL: +66-20465900 FAX: +66-20465901
E-mail: nuttapong@ttakisawa.com

/// www.takisawa.com.tw

/// Horizontal Turning Center

Classic

NEX
NEX-105 / NEX-106 / NEX-108 / NEX-110

Compact

LA
LA-150 / LA-200

High Performance

LA
LA-250 / LA-300 / LA-250YS / LA-250YT

Heavy Duty

LA
LA-350 / LA-450

Extra Heavy Duty

LS
LS-800 / LS-1000 / LS-1100

High Accuracy

LX / EX
LX-2500 / LX-3000 / EX-2000

High Productivity with Twin Turrets

MX / FX
MX-800 / FX-600 / FX-800 / FX-1500 / FX-2000

/// Vertical Turning Center

Heavy Duty

VTL
VTL-350 / VTL-450 / VTL-750A / VTL-760 / VTL-950 / VTL-1100

Inverted Vertical

YC
YC-108 / YC-308 / YC-110 / YC-310 / YC-120

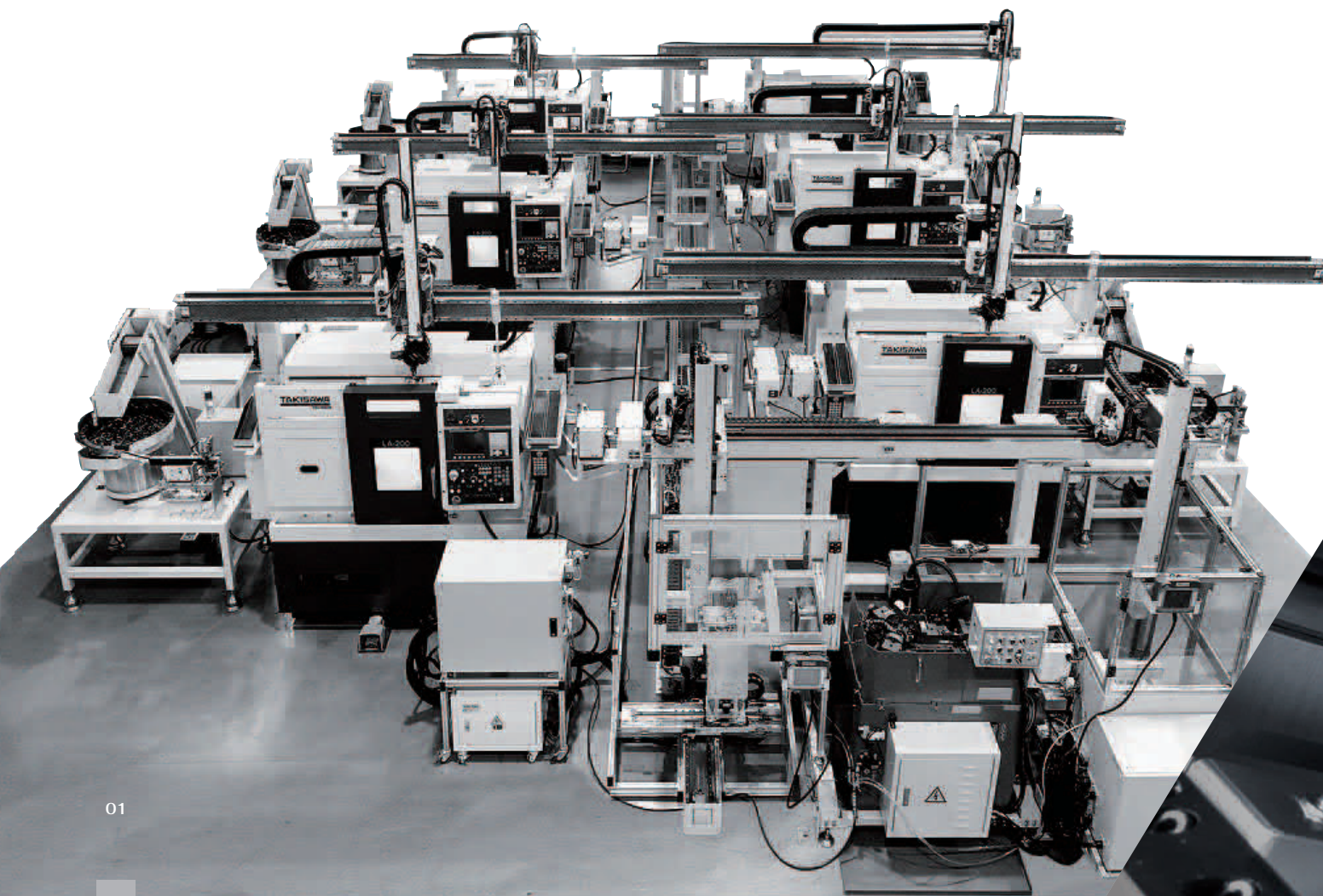


Manufacturing to Win Customer's Confidence

Taiwan Takisawa inherits the 100-years skillful technical art for machine tool manufacturing, and sharing R&D technology with integration of resources from Japan Takisawa.

Taiwan Takisawa concentrates on the research and development of CNC lathe and continuous evolution and improvement from shortening the product design cycle and highly customized products.

Moreover, the new machine design is with high complex and implemented with many intelligent functions which has been formulated a new standard for a new generation of products. In general, the new generation of products provide unparalleled manufacturing flexibility and customer-oriented with complete process solutions.



Product Full Line-up



Horizontal Turning Center

Classic

5" ~ 10"

NEX series	NEX-105	5"	STD	K				
	NEX-106	6"	STD	K				
	NEX-108	8"	STD	H	M	MH	Y	YH
	NEX-110	10"	STD	H	M	MH	Y	YH

Compact

6" ~ 8"

LA-150 / 200 series	LA-150	6"	STD	M	L	ML	
	LA-200	8"	STD	M	L	ML	

High Performance

10" ~ 12"

LA-250 / 300 series	LA-250	10"	STD	M	Y	L	ML	YL
	LA-300	12"	STD	M	Y			
	LA-250YS	10"	STD					
	LA-250YT	10"	STD					

Heavy Duty

12" ~ 18"

LA-350 / 450 series	LA-350	12"	STD	L8 ML8	L16 ML16	L22 ML22	
	LA-450	18"	STD	L8 ML8	L16 ML16	L22 ML22	

Extra Heavy Duty

15" ~ 32"

LS series	LS-800	15"	STD	BL10	BL15	BL20	BL30
				MBL10	MBL15	MBL20	MBL30
				YBL10	YBL20	YBL30	
	LS-1000	20"	STD	CL10	CL15	CL20	CL30
				MCL10	MCL15	MCL20	MCL30
				YCL10	YCL20	YCL30	
	LS-1000	20"	STD	L10	L15	L20	L30
				ML10	ML15	ML20	ML30
	LS-1100	32"	STD	L20	L30	L40	



High Accuracy

8" ~ 12"

EX-2000 series	EX-2000	8"	T	MT	YT	S	MS	YS
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LX series

LX-2500	10"	STD	L7	L13	L20
			ML7	ML13	ML20
			YL7	YL13	YL20
LX-3000	12"	STD	L7	L13	L20
			ML7	ML13	ML20
			YL7	YL13	YL20

High Productivity with Twin Turrets

6" ~ 8"

MX / FX series	MX-800	8"	STD	M2	Y	Y2
	FX-600	6"	STD			
	FX-800	8"	STD			
	FX-1500	6"	STD	M2	Y	Y2
	FX-2000	8"	STD	M2	Y	Y2

Vertical Turning Center

Heavy Duty

12" ~ 32"

VTL series	VTL-350	12"	R			
	VTL-450	12"	R	MR	L	ML
	VTL-750	24"	A			
	VTL-760	15"	R	MR	L	ML
	VTL-950	32"	R	MR		
	VTL-1100	32"	R	MR		

Inverted Vertical

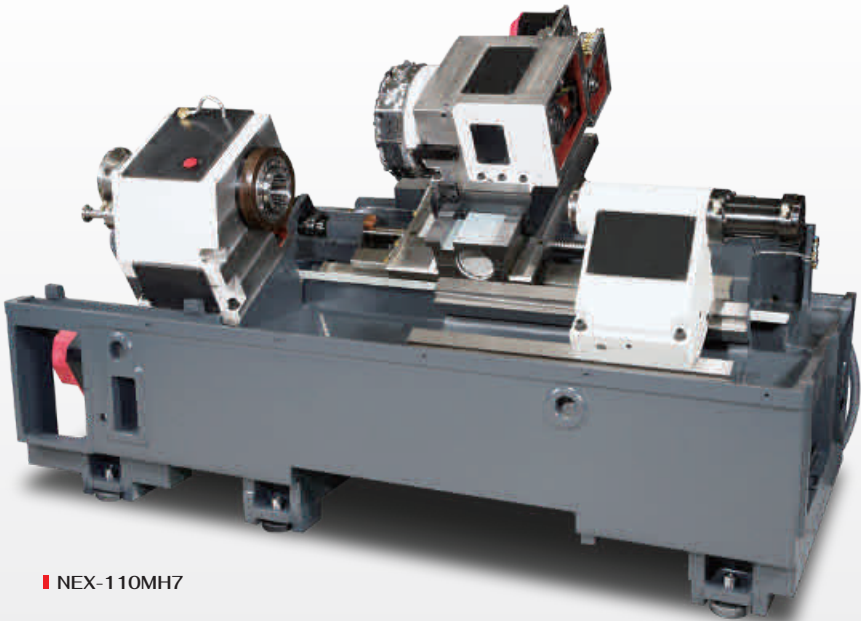
8"~12"

YC series	YC-108	8"	STD	
	YC-308	8"	STD	
	YC-110	10"	STD	
	YC-310	10"	STD	
	YC-120	12"	STD	

High Accuracy Classic Turning Center

NEX series

- NEX-105, NEX-105K
- NEX-106, NEX-106K
- NEX-108, NEX-108H, NEX-108M, NEX-108MH, NEX-108Y, NEX-108YH
- NEX-110, NEX-110H, NEX-110M, NEX-110MH, NEX-110Y



NEX-110MH7



NEX-110MH7



NEX-108Y



NEX-108

Specifications

	NEX-105	NEX-105K	NEX-106	EX-106K	NEX-108	NEX-108H	NEX-108M	NEX-108MH	NEX-108Y	NEX-110	NEX-110H7	NEX-110M	NEX-110MH7	NEX-110Y
Max. Swing	310	280	350	110	480	480	440	440	440	495	495	495	495	495
Max. Turning Diameter	220(T8) / 170(T12)	120	240	--	320	320	260	260	260	400 (320)	400 (320)	350	350	350
Max. Turning Length	186	90	320	325	482	482	447.8	447.8	445.5	667	667	632.1	632.1	632.5
Max. Bar Work Capacity	30 (45)	26 (42)	43	43	52 (65)	52 (65)	52 (65)	52 (65)	52 (65)	75 (90)	75 (90)	75	75	75
Spindle Speed	6000	5000 (6000)	5000 (6000)	5000 (6000)	3500 (4000)	3500 (4000)	3500 (4000)	3500 (4000)	3500 (4000)	3500	3500	3500	3500	3500
Chuck Size	6"	(5") 6"	6"	6"	8"	8"	8"	8"	8"	10"	10"	10"	10"	10"
Number of Tools	T8 (T12)	Gang Type	T12	Gang Type	T10 (T12)	T10 (T12)	T12	T12	T12	T10 (T12)	T10 (T12)	T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1	1	1	1	1	1	1

High Performance Compact Turning Center

LA-150/200 series

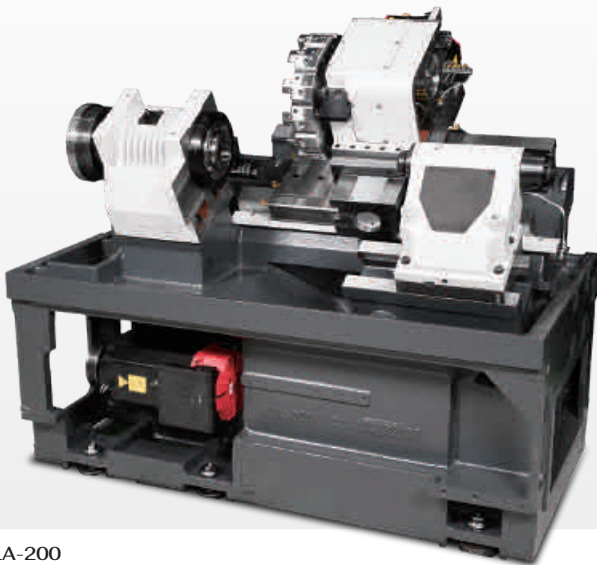
LA-150, LA-150M,
LA-150L, LA-150ML
LA-200, LA-200M,
LA-200L, LA-200ML



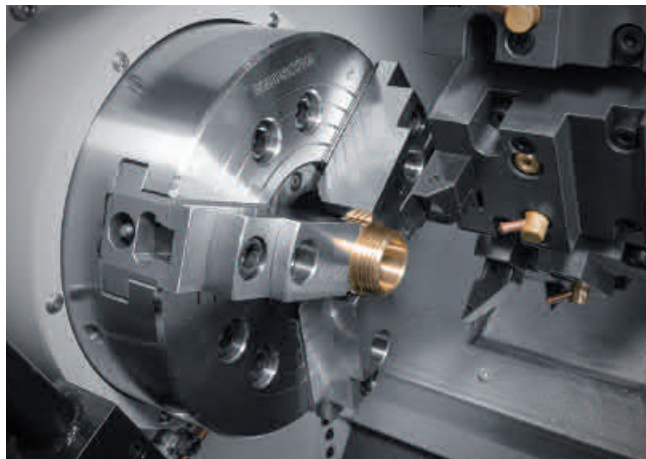
LA-200M



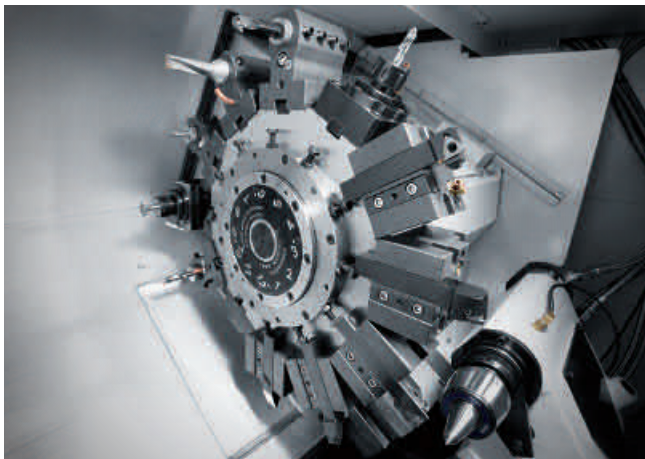
LA-200M



LA-200



LA-200M



LA-200M

Specifications

	LA-150	LA-150L	LA-150M	LA-150ML	LA-200	LA-200L	LA-200M	LA-200ML
Max. Swing	470	470	470	470	470	470	470	470
Max. Turning Diameter	250 (T8) / 320 (T10) / 320 (T12)	250 (T8) / 320 (T10) / 320 (T12)	250	250	250 (T8) / 320 (T10) / 320 (T12)	250 (T8) / 320 (T10) / 320 (T12)	250	250
Max. Turning Length	328	628	313	613	300	600	284	584
Max. Bar Work Capacity	42	42	42	42	52 / 66	52 / 66	52 / 66	52 / 66
Spindle Speed	5000	5000	5000	5000	3200 (4000)	3200 (4000)	3200 (4000)	3200 (4000)
Chuck Size	6"	6"	6"	6"	8"	8"	8"	8"
Number of Tools	T8 / T10 / T12	T8 / T10 / T12	T12	T12	T8 / T10 / T12	T8 / T10 / T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1

High Performance Turning Center

LA-250/300 series

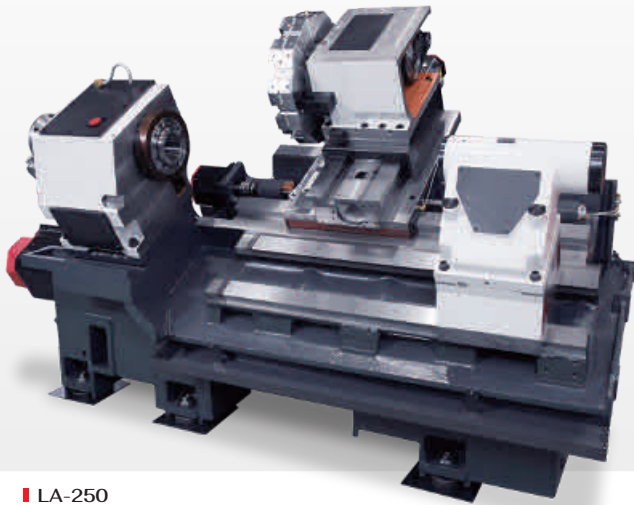
- LA-250, LA-250M, LA-250Y
- LA-250L, LA-250ML, LA-250YL
- LA-300, LA-300M, LA-300Y
- LA-250YS
- LA-250YT



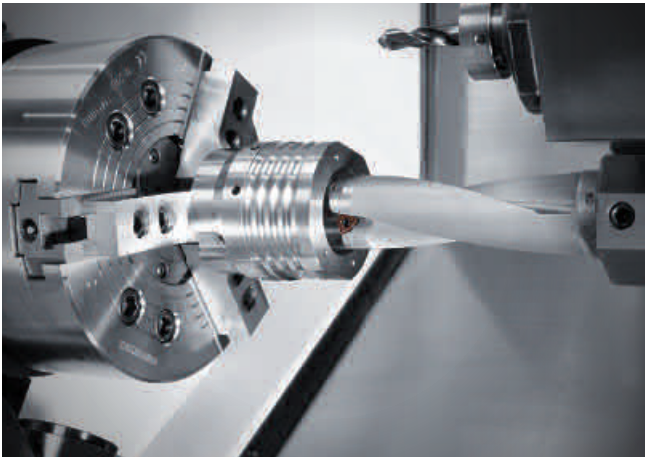
LA-250M



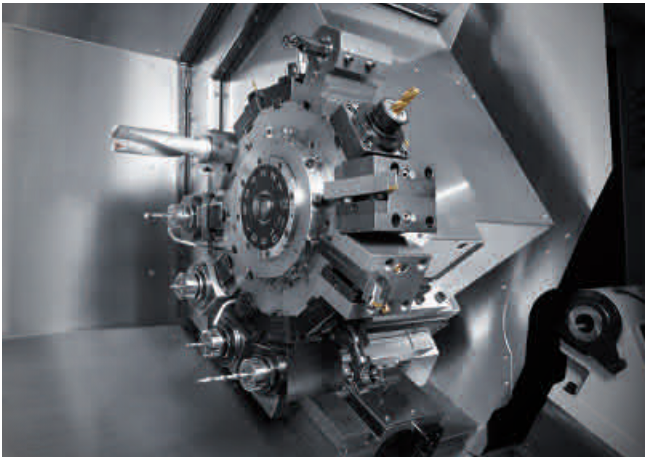
LA-250M



LA-250



LA-250YL



LA-250YL

Specifications

	LA-250	LA-250M	LA-250Y	LA-250L	LA-250ML	LA-250YL	LA-300	LA-300M	LA-300Y	LA-250YS	LA-250YT
Max. Swing	580	580	580	580	580	580	580	580	580	600	600
Max. Turning Diameter	450	420	350	450	420	350	450	420	350	370	370
Max. Turning Length	767 (P) / 717 (G)	733 (P) / 683 (G)	746 (P) / 696 (G)	1167 (P) / 1117 (G)	1133 (P) / 1083 (G)	1146 (P) / 1096 (G)	1086	1052	1065	737	737
Max. Bar Work Capacity	75	75	75	75	75	75	90	90	90	75 (81 / 91) / 52 (65)	75 (81 / 91)
Spindle Speed	3500	3500	3500	3500	3500	3500	2800	2800	2800	3500 / 3500	3500
Chuck Size	10"	10"	10"	10"	10"	10"	12"	12"	12"	10" / 8"	10"
Number of Tools	T10 / T12	T12	T12	T10 / T12	T12	T12	T10 / T12	T12	T12	T15 (T12)	T15 (T12)
Number of Spindles	1	1	1	1	1	1	1	1	1	1	1

* P : P Motor / G : Gear Box

* P : P Motor / G : Gear Box

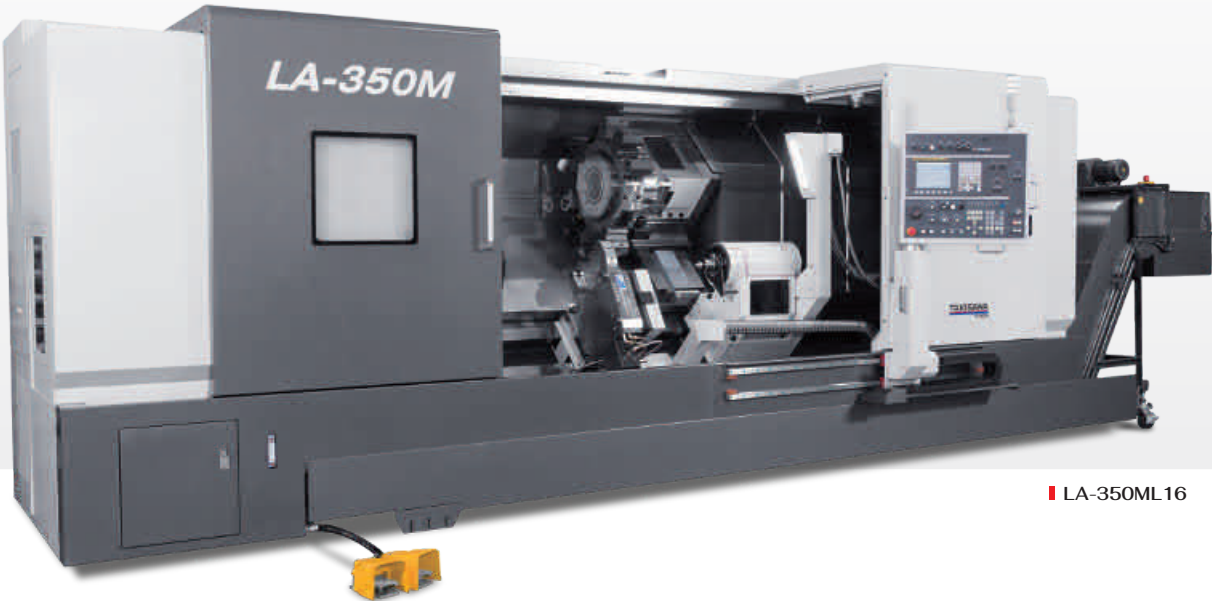
Heavy Duty Turning Center

LA-350/450 series

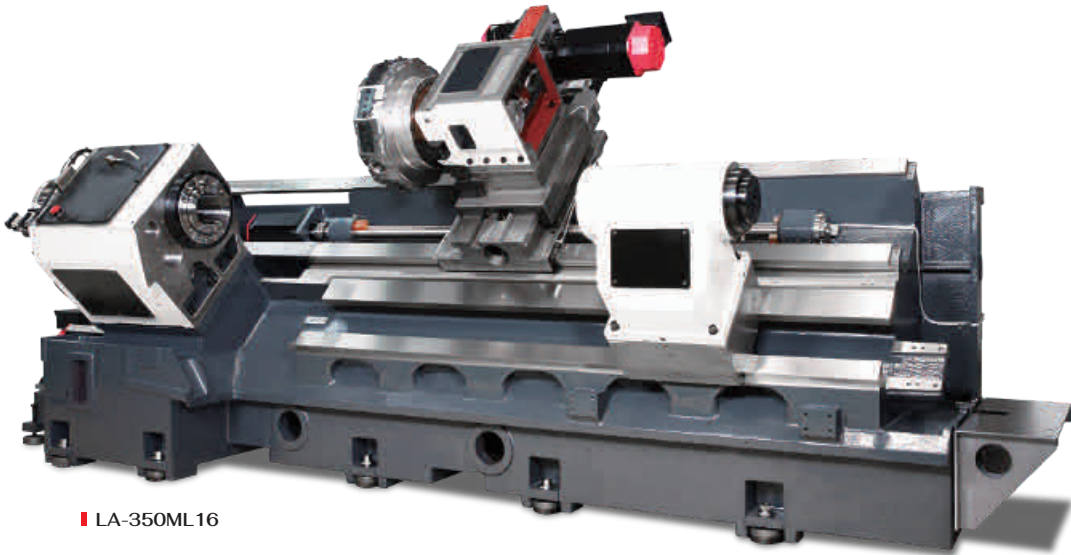
- LA-350L8
- LA-350ML8
- LA-350L16
- LA-350ML16
- LA-350L22
- LA-350ML22



LA350L8



LA-350ML16



LA-350ML16

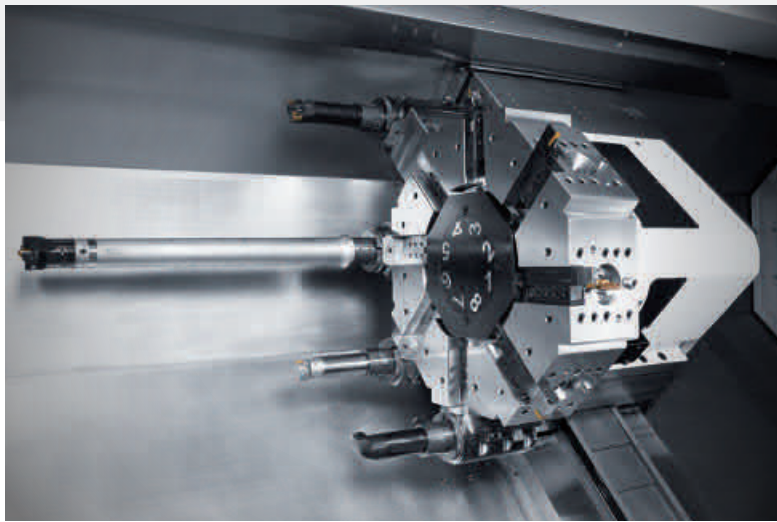
Specifications

	LA-350L8	LA-350L16	LA-350L22	LA-350ML8	LA-350ML16	LA-350ML22	LA-450L8	LA-450L16	LA-450L22	LA-450ML8	LA-450ML16	LA-450ML22
Max. Swing	780	780	780	780	780	780	780	780	780	780	780	780
Max. Turning Diameter	550	550	550	480	480	480	550	550	550	480	480	480
Max. Turning Length	830	1630	2270	711	1511	2151	781	1581	2221	662	1462	2102
Max. Bar Work Capacity	115	115	115	115	115	115	150	150	150	150	150	150
Spindle Speed	2500 (2000)	2500 (2000)	2500 (2000)	2500 (2000)	2500 (2000)	2500 (2000)	1800 (1500)	1800 (1500)	1800 (1500)	1800 (1500)	1800 (1500)	1800 (1500)
Chuck Size	12" (15")	12" (15")	12" (15")	12" (15")	12" (15")	12" (15")	18" (20")	18" (20")	18" (20")	18" (20")	18" (20")	18" (20")
Number of Tools	T10 / T12	T10 / T12	T10 / T12	T12	T12	T12	T10 / T12	T10 / T12	T10 / T12	T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1	1	1	1	1

Extra Heavy Duty Turning Center

LS series

- LS-800B (L10 / L15 / L20 / L30)
- LS-800C (L10 / L15 / L20 / L30)
- LS-800MB (L10 / L15 / L20 / L30)
- LS-800MC (L10 / L15 / L20 / L30)
- LS-800YB (L10 / L20 / L30)
- LS-800YC (L10 / L20 / L30)
- LS-1000 (L10 / L15 / L20 / L30)
- LS-1000M (L10 / L15 / L20 / L30)
- LS-1100 (L20 / L30 / L40)



LS-1000L20



LS-1000L20

Specifications

	B-type				C-type					B-type				C-type			
	LS-800BL10	LS-800BL15	LS-800BL20	LS-800BL30	LS-800CL10	LS-800CL15	LS-800CL20	LS-800CL30		LS-800MBL10	LS-800MBL15	LS-800MBL20	LS-800MBL30	LS-800MCL10	LS-800MCL15	LS-800MCL20	LS-800MCL30
Max. Swing	830	830	830	830	830	830	830	830		830	830	830	830	830	830	830	830
Max. Turning Diameter	760	760	760	760	760	760	760	760		680	680	680	680	680	680	680	680
Max. Turning Length	1099.5	1599.5	2099.5	3099.5	1049.5	1549.5	2049.5	3049.5		987.3	1487.3	1987.3	2987.3	937.3	1437.3	1937.3	2937.3
Max. Bar Work Capacity	115	115	115	115	180	180	180	180		115	115	115	115	180	180	180	180
Spindle Speed	2000 (1500)	2000 (1500)	2000 (1500)	2000 (1500)	1200	1200	1200	1200		2000 (1500)	2000 (1500)	2000 (1500)	2000 (1500)	1200	1200	1200	1200
Chuck Size	15" (18")	15" (18")	15" (18")	15" (18")	20" (24")	20" (24")	20" (24")	20" (24")		15" (18")	15" (18")	15" (18")	15" (18")	20" (24")	20" (24")	20" (24")	20" (24")
Number of Tools	T10 (T12)	T10 (T12)	T10 (T12)	T10 (T12)	T10 (T12)	T10 (T12)	T10 (T12)	T10 (T12)		T12	T12	T12	T12	T12	T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1

	B-type			C-type				LS-1000L15			LS-1000ML15			LS-1000ML30			LS-1100L30		
	LS-800YBL10	LS-800YBL20	LS-800YBL30	LS-800YCL10	LS-800YCL20	LS-800YCL30	LS-1000L10	LS-1000L15	LS-1000L20	LS-1000L30	LS-1000ML10	LS-1000ML15	LS-1000ML20	LS-1000ML30	LS-1100L20	LS-1100L30	LS-1100L40		
Max. Swing	830	830	830	830	830	830	1020	1020	1020	1020	1020	1020	1020	1020	1020	1120	1120		
Max. Turning Diameter	600	600	600	600	600	600	900	900	900	900	850	850	850	850	900	900	900		
Max. Turning Length	925.3	1925.3	2925.3	875.3	1875.3	2875.3	1031.7	1531.7	2031.7	3031.7	966.7	1466.7	1966.7	2966.7	2125	3025	4475		
Max. Bar Work Capacity	115	115	115	180	180	180	180	180	180	180	180	180	180	180	205	205	205		
Spindle Speed	2000 (1500)	2000 (1500)	2000 (1500)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	900	900	900		
Chuck Size	15" (18")	15" (18")	15" (18")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	20" (24")	24" (28") (32")	24" (28") (32")	24" (28") (32")		
Number of Tools	T12	T12	T12	T12	T12	T12	T10 (T12)	T10 (T12)	T10 (T12)	T10 (T12)	T12	T12	T12	T12	T10	T10	T10		
Number of Spindles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

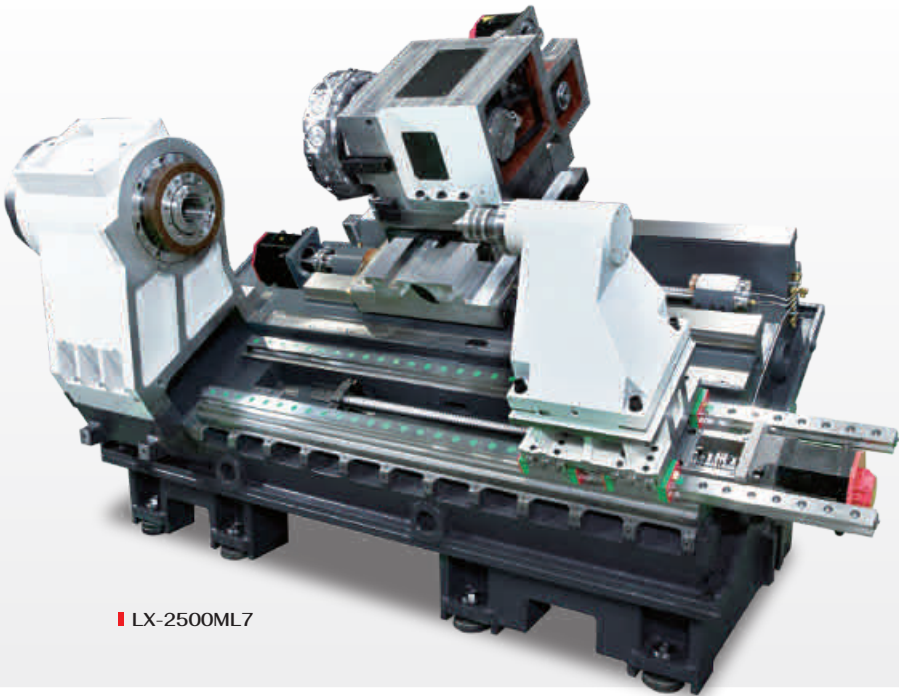
High Accuracy Y-axis Turning Center

LX series

- LX-2500 (L7 / L13 / L20)
- LX-2500M (L7 / L13 / L20)
- LX-2500Y (L7 / L13 / L20)
- LX-3000 (L7 / L13 / L20)
- LX-3000M (L7 / L13 / L20)
- LX-3000Y (L7 / L13 / L20)



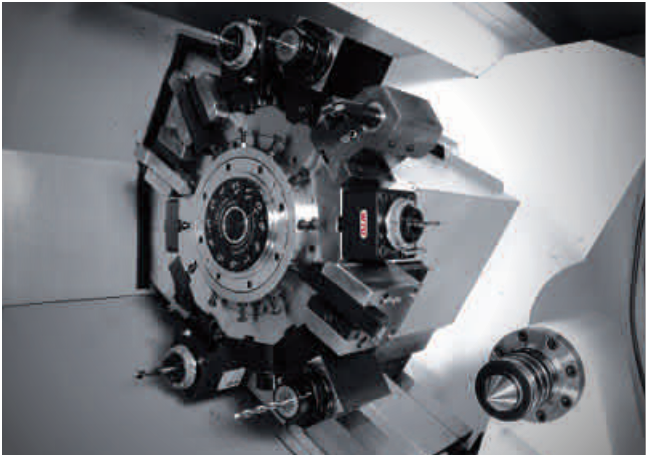
LX-2500ML7



LX-2500ML7



LX-2500ML7



LX-2500ML7

Specifications

	LX-2500L7	LX-2500L13	LX-2500L20	LX-2500ML7	LX-2500ML13	LX-2500ML20	LX-2500YL7	LX-2500YL13	LX-2500YL20
Max. Swing	625	625	625	625	625	625	730	730	730
Max. Turning Diameter	450 (T12) [470 (T10)]	450 (T12) [470 (T10)]	450 (T12) [470 (T10)]	420	420	420	420	420	420
Max. Turning Length	732	1367	2117	698	1333	2083	698	1333	2083
Max. Bar Work Capacity	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]	81 [75 (G)]
Spindle Speed	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)	3500 (B)(G)(P) [3000] (P)
Chuck Size	10"	10"	10"	10"	10"	10"	10"	10"	10"
Number of Tools	T12 (T10)	T12 (T10)	T12 (T10)	T12	T12	T12	T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1	1

	LX-3000L7	LX-3000L13	LX-3000L20	LX-3000ML7	LX-3000ML13	LX-3000ML20	LX-3000YL7	LX-3000YL13	LX-3000YL20
Max. Swing	625	625	625	625	625	625	730	730	730
Max. Turning Diameter	450 (T12) [470 (T10)]	450 (T12) [470 (T10)]	450 (T12) [470 (T10)]	420	420	420	420	420	420
Max. Turning Length	715	1336	2086	667	1302	2052	667	1302	2052
Max. Bar Work Capacity	90	90	90	90	90	90	90	90	90
Spindle Speed	2800	2800	2800	2800	2800	2800	2800	2800	2800
Chuck Size	12"	12"	12"	12"	12"	12"	12"	12"	12"
Number of Tools	T12 (T10)	T12 (T10)	T12 (T10)	T12	T12	T12	T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1	1

* P : P Motor / G : Gear Box / B : Built-in Motor

* P : P Motor / G : Gear Box / B : Built-in Motor

High Accuracy Y-axis Turning Center

EX series

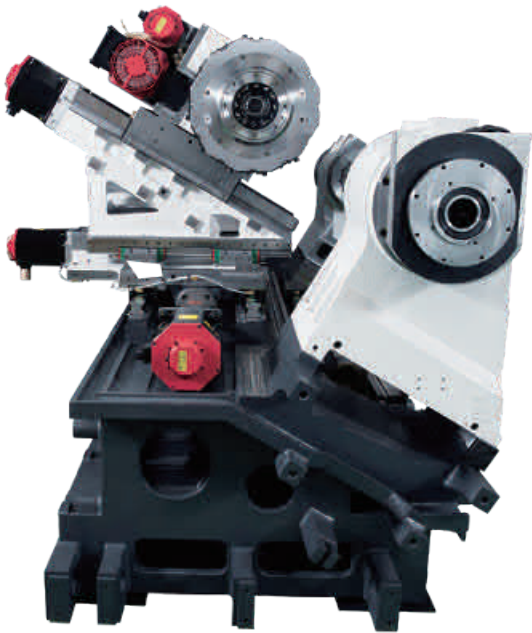
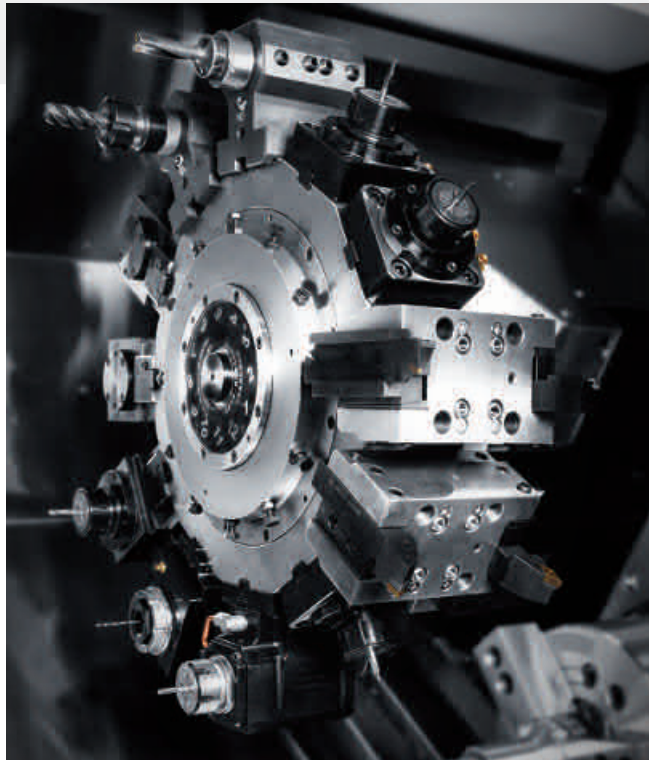
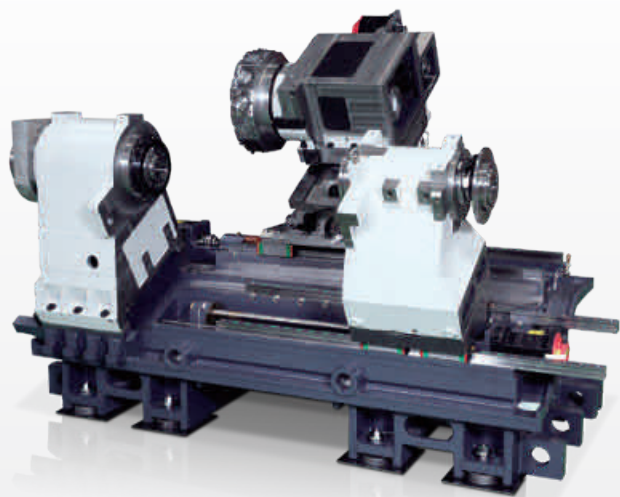
- EX-2000T
- EX-2000MT
- EX-2000YT
- EX-2000S
- EX-2000MS
- EX-2000YS



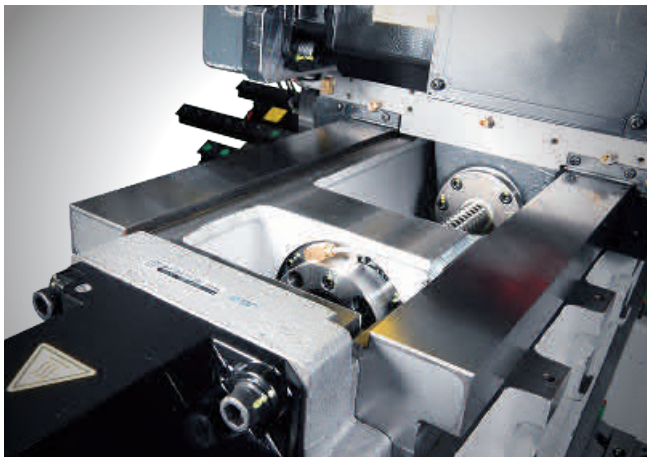
EX-2000

Specifications

	EX-2000T	EX-2000MT	EX-2000YT	EX-2000S	EX-2000MS	EX-2000YS
Max. Swing	800	800	800	800	800	800
Max. Turning Diameter	390	390	390	390	390	390
Max. Turning Length	510.5	510.5	510.5	510.5	510.5	510.5
Max. Bar Work Capacity	65	65	65	65 / 52	65 / 52	65 / 52
Spindle Speed	4500	4500	4500	4500 / 5000	4500 / 5000	4500 / 5000
Chuck Size	8"	8"	8"	8" / 6"	8" / 6"	8" / 6"
Number of Tools	T12	T12	T12	T12	T12	T12
Number of Spindles	1	1	1	2	2	2



EX-2000



High Productivity Turning Center with Opposed Turrets

MX series

- MX-800
- MX-800M2
- MX-800Y
- MX-800Y2



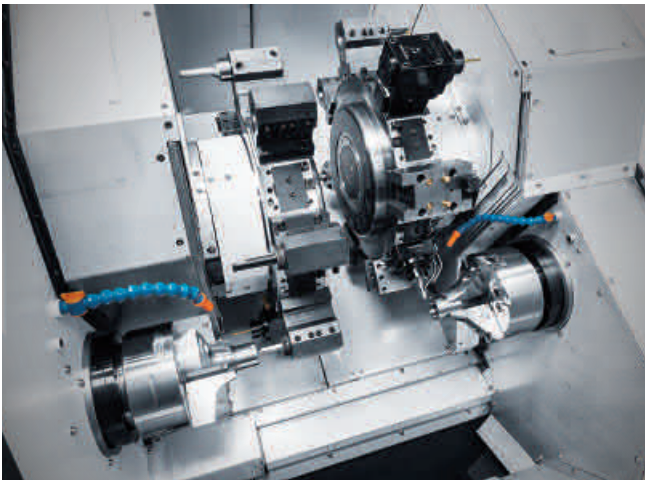
MX-800

Specifications

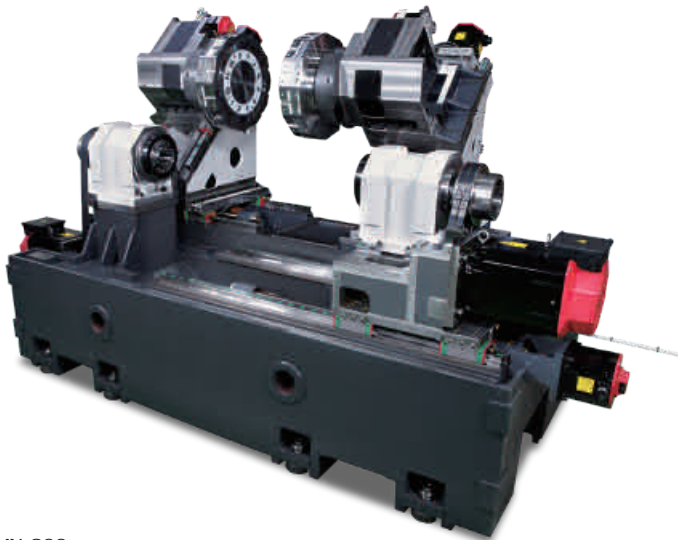
	MX-800	MX-800M2	MX-800Y	MX-800Y2
Max. Swing	310	310	310	310
Max. Turning Diameter	310	310	310	310
Max. Turning Length	250	250	250	250
Max. Bar Work Capacity	52 (65) / 52 (65)	52 (65) / 52 (65)	52 (65) / 52 (65)	52 (65) / 52 (65)
Spindle Speed	4000 (3500)	4000 (3500)	4000 (3500)	4000 (3500)
Chuck Size	8"	8"	8"	8"
Number of Tools	T12 + T12	T15 + T15	T15 + T15	T15 + T15
Number of Spindles	2	2	2	2



MX-800



MX-800



MX-800

High Productivity Turning Center with Upper / lower Turrets

FX series

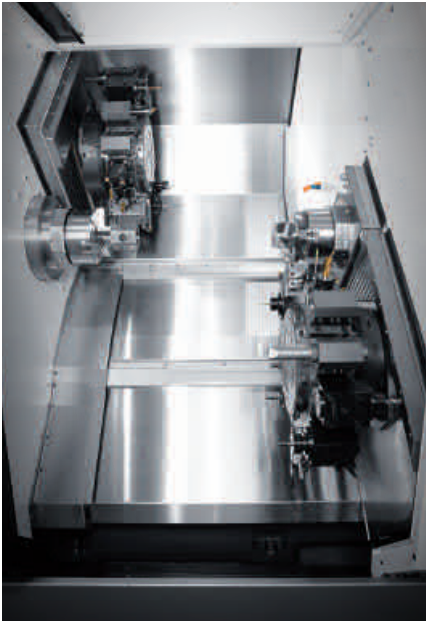
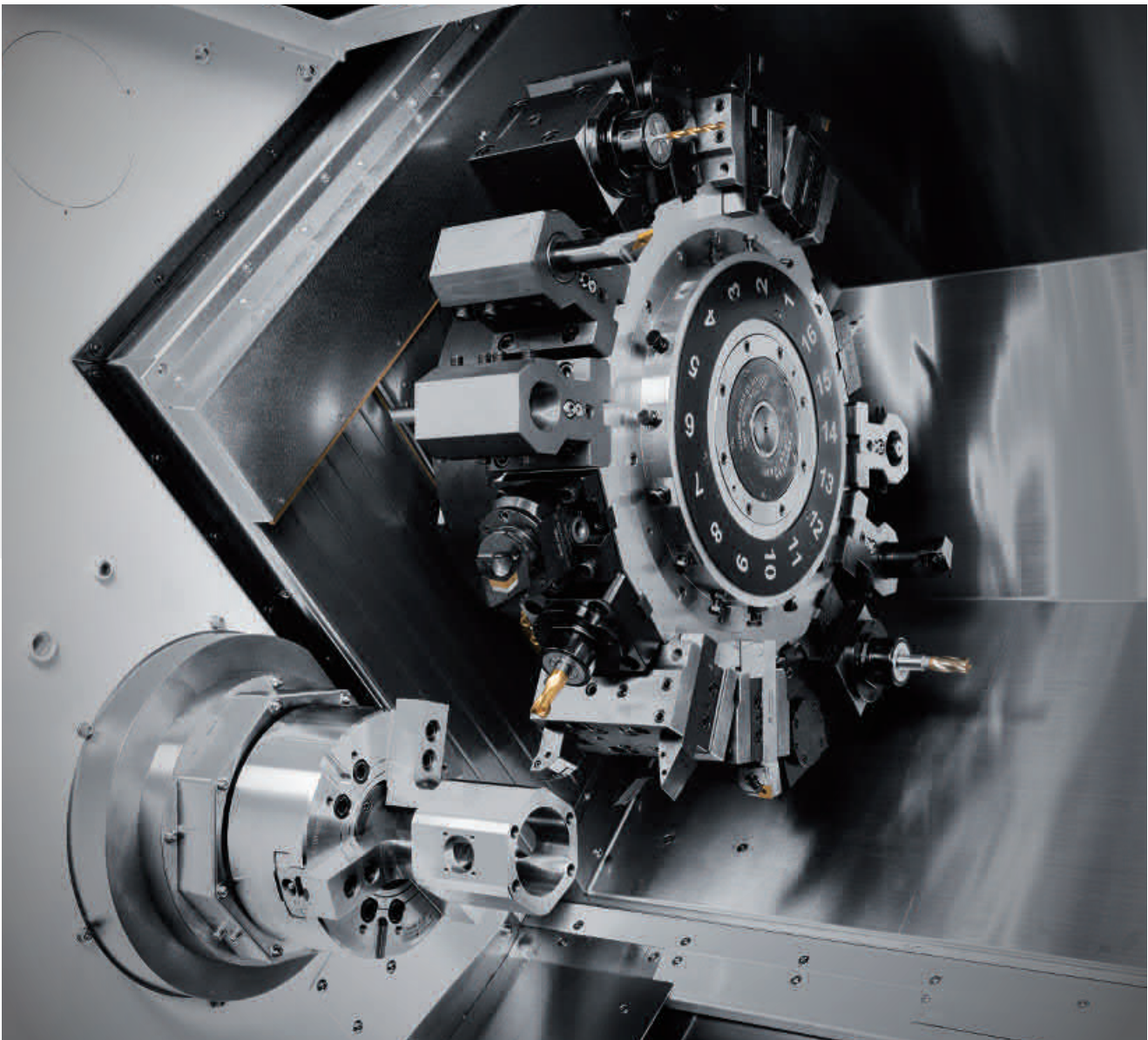
- FX-600
- FX-800
- FX-1500
- FX-2000



FX-800

Specifications

	FX-600	FX-800	FX-1500	FX-2000
Max. Swing	220	310	220	220
Max. Turning Diameter	300	310	220	220
Max. Turning Length	510	657	537	509
Max. Bar Work Capacity	42 / 42	65 / 52	42 / 42	52 (65) / 42 (52)
Spindle Speed	6000 / 6000	4500 / 5000	6000 / 6000	5000 (4500) / 6000 (5000)
Chuck Size	6" / 6"	8" / 8"	6" / 6"	8" / 6" (8")
Number of Tools	T12 + T12	T16 + T16	T12 + T12	T12 + T12
Number of Spindles	2	2	2	2



FX-800



Heavy Duty Vertical Turning Center

VTL series

- VTL-350R
VTL-450R, VTL-450L
VTL-450MR, VTL-450ML
VTL-750A
- VTL-760R, VTL-760L
VTL-760MR, VTL-760ML
VTL-950R, VTL-950MR
VTL-1100R, VTL-1100MR



VTL-450MR + VTL-450ML



VTL-1100M



VTL-760M

Specifications

	VTL-350	VTL-450	VTL-450M	VTL-750A	VTL-760	VTL-760M	VTL-950	VTL-950M	VTL-1100	VTL-1100M
Max. Swing	650	600	600	1050	850	850	990	990	1330	1330
Max. Turning Diameter	470	460	460	780	800	800	950	950	1200	1200
Max. Turning Length	415	410	380	765	700	680	860	860	985	985
Spindle Speed	2500	2500	2500	1500	2000	2000	850	850	850	850
Chuck Size	12"	12"	12"	24"	15"	15"	32"	32"	32"	32"
Number of Tools	T10	T12	T12	T6	T12	T12	T12	T12	T12	T12
Number of Spindles	1	1	1	1	1	1	1	1	1	1

Inverted Vertical Turning Center

YC series

- YC-108, YC-308
- YC-110, YC-310
- YC-120



YC-110

Specifications

	YC-108	YC-308	YC-110	YC-310	YC-120
Max. Swing	420	420	420	420	550
Max. Turning Length	358	358	358	358	360
Spindle Speed	4000	4000	3500	3500	2800
Chuck Size	8"	8"	10"	10"	12"
Number of Tools	T12	T12	T12	T12	T12
Number of Spindles	1	1	1	1	1



YC-110



YC-110



YC-110