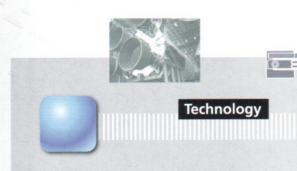
dor The Best

Seneral catalog Selection



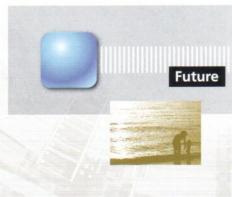


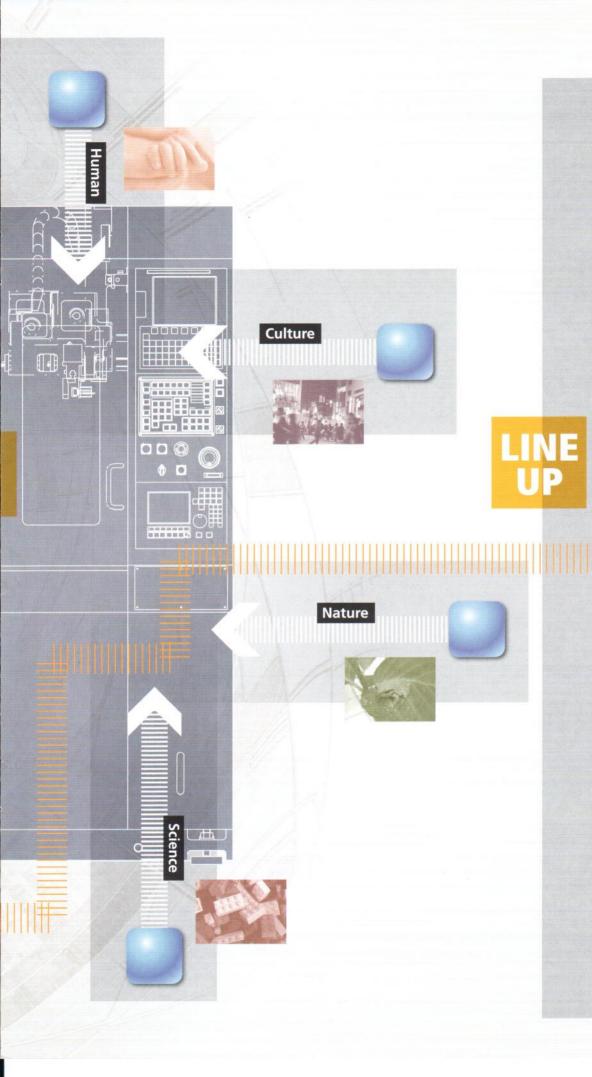


With CUSTOMIZATION as our specialty, combined with developed products and different selections of various peripheral equipments and the human power.

This combination makes the foundation of TAKAMAZ products.

We make our products to "Your Color" by meeting every customer's needs.





X series

PAGE 0

Our total production count is a proof of reliability. This is a

TAKAMAZ standard that has evolved for single lathes.

Wseries

Simultaneous machining of both or the same sides of the parts for total complete process machining. The functions of two units within the space of a single unit.

Series

One spindle performs loading while the other is machining. Production rates doubled within the same space!

With two spindles and two turrets, different machining methods can be performed with ease. Compound machining is possible resulting in short cycle time

SL series AVE series ①

A futuristic slim design with an incredible space-saving design and with high quality and low price.

The CNC Linear Turret lathe that provides thorough solutions for all requirements. The best in its class for swift rapid traverse.

Global Strategy

The best simple machine in its class among manual operated machines, focusing on cost performance.

OPTION SYSTEM

TAKAMAZ LOADER SYSTEM

Starting Point of TAKAMAZ.









Item	Unit	XC-100	XL-100	XC-150	X-150 PLUS	X-180
Chuck Size	inch	6	6(8)	8	- 8	8
Spindle bearing I.D.	mm	φ75	φ75 (φ85)	φ100	φ100	φ100
Spindle speed	min-1	Max.4, 500	Max.4, 500(6,000 · 3,500)	Max.3, 500	Max.3, 500 (4,000)	Max.3, 500 (4,000 · 5,00
Tool post type		8-station turret	8-station(12station)turret	8-station turret	8-station (12-station)turret	12-station turret
Max. stroke	mm	X:120 Z:230	X:120 Z:280	X:175 Z:250	X:175 Z:330	X:175 Z:330
Rapid traverse	m/min	X:12 Z:18	X:12 Z:18	X:18 Z:24	X:18 Z:24	X:18 Z:24
Spindle motor	kW	AC7.5/5.5	AC7.5/5.5(11/7.5)	AC11/7.5	AC7.5/5.5 (11/7.5)	AC7.5/5.5 (11/7.5)
Dimensions(LXW)	mm	1,150×1,360	1,360(1,480)×1,360	1,250×1,480	1,580×1,525	1,835×1,525
Controller		TAKAMAZ & FANUC Oi-TD	TAKAMAZ & FANUC Oi-TD	TAKAMAZ & FANUC Oi-TD	TAKAMAZ & FANUC OI-TC	TAKAMAZ & FANUC OI-TI

Integration of the Power of Technology.



X-S700)	X-20	X-120			
X-5700	(Sub-spindle)	Main-spindle	Sub-spindle	Main-spindle		
8 (10)	6	8 (10)	6 5			
φ100 (φ120)	φ75	φ100 (φ120)	φ75 (φ85) φ65			
Max.3, 500 (3,000)	Max.5,000	Max.5,000 (4,000)	Max.4,500 (6,000)			
10-station turret ×2	turret	12-station	12-station turret			
X:115 Z:650	:550 A:515	X:240 (225 * 1) Z	X:170 Z:300 A:350			
X:16 Z:30	A:30	X:18 Z:24	A:18	X:18 Z:24		
AC15/11 (18.5/15)	AC7.5/5.5	AC15/11(18.5/15)	AC3.7/2.2	AC5.5/3.7 (7.5/5.5)		
1,960×1,720)×1.960	2,460 (2,990	2,000×1,630			
TAKAMAZ & FANUC Oi-TO	C 21·18i-TB	TAKAMAZ & FANU	TAKAMAZ & FANUC Oi-TC			

※1 With Sub-spindle.

※():Option





From high volume machining to heavy cutting.

Revolutionary machine with 2-spindle and 2-turret.





XW-30



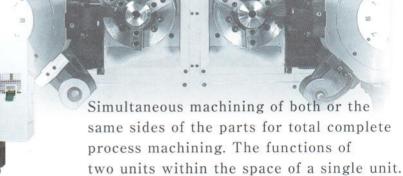
200

XW-150

XW-80



XW-80M



Ideal for small part processing





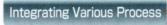


Attachment

Recipient of Superior Energy Saver Equipment Awar JMF Chairman's Award

Machine

Recipient of 2010 fiscal year The Japan Society of Mechanical Engineers Superior Product Award











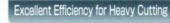




















Item	Unit	XW-30	XW-80	XW-80м	XW-150	
Chuck Size	inch	3 (Air) ×2	6	8 ×2		
Spindle bearing I.D.	mm	φ50	φ	φ100		
Spindle speed	min-1	Max. 10,000 #1	Max.4,50	Max.4,000		
Tool post type		Horizontal linear ×2	8-station	8-station turret ×2		
Max. stroke	mm	X:160 Z:200	X:120	X:160 Z:180		
Rapid traverse	m/min	X:12 Z:15	X:18	X:16 Z:16		
Spindle motor	kW	AC3.7/2.2	AC5.5/3.7	AC7.5/5.5 (11/7.5) ×2		
Dimensions(LXW)	mm	1,300 (Bed width: 1,000)×2,000	1,720	2,360×1,905		
Controller		TAKAMAZ & MITSUBISHI	TAKAMAZ & FANUC 32i-A	TAKAMAZ & FANUC DI-TTC	TAKAMAZ & FANUC 21i-TE	

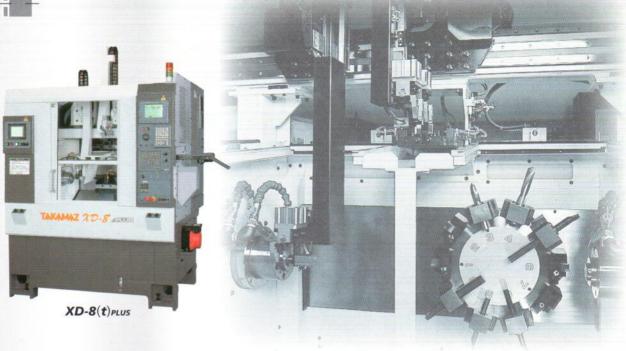


2 Spindles and 1 Slide

series TAKAMAZ Specialized Structure

2-spindle 1-slide

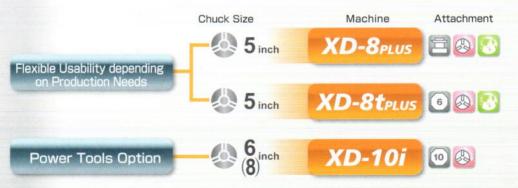






XD-10i

One spindle performs loading while the other is machining. Production rates doubled within the same space!



Item	Unit	XD-8(t) PLUS	XD-10 i			
Chuck Size	inch	5	×2	6 (8) ×2			
Spindle bearing I.D.	mm	φθ	55	φ75			
Spindle speed	min-1	Max.4,500	(000,8) C	Max.4, 500 (6,000)			
Tool post type		Horizontal linear	6-station turret	10-station turret			
Max. stroke	mm	X:200 Z:380 (±190)	X:140 Z:380 (±190)	X:120 Z:520			
Rapid traverse	m/min	X:18	Z:24	X:18 Z:24			
Spindle motor	kW	AC3.7/2.2 (5	.5/3.7≅1) ×2	AC5.5/3.7 (7.5/5.5) ×2			
Dimensions(L×W)	mm	1,580>	1,550	2,310×1,695			
Controller		TAKAMAZ &	FANUC Oi-TC	TAKAMAZ & FANUC 21i-TA			

^{* 1} XD-8PLUS: 5.5/3.7kW is exclusive to the specifications for spindle rotations speed of 8,000 min⁻¹

* ():Option

TAKAMAZ Compact Machines Suitable for Compound Machining series **Multi-turning** XY-120 XY-1000 With two spindles and two turrets, different machining methods can be performed with ease. Compound machining is possible resulting in short cycle time. XY-2000PLUS Chuck Size Machine Attachment XY-120 Sub-spindle + Power Tools Simultaneous 4-Axis ontroller + Power Tools XY-1000 12 12 🕜 🕭 🛂 6 inch

Recipient of the 39th Machine Design Award Special Award by Awarding Committee

XY-2000 PLUS

14	CT-14	XY-1	20	XY-	1000	XY-2000 PLUS			
Item	Unit	Main-spindle	Sub-spindle	#1-spindle	#2-spindle	#1-spindle	#2-spindle		
Chuck Size	inch	6	6 5		6		3		
Spindle bearing I.D.	mm	φ75(φ85)	φ65	φ85		φ100(φ120)	φ100		
Spindle speed	min-1	Max.4,500	(6,000)	Max.	5,000	Max.4	1,000		
Tool post type		12-statio	n turret	12-stat	ion turret	12-statio	12-station turret		
Max. stroke	mm	X:150 Z:330	Y:±30 A:380	X:162.5(160 : #2 turiet) Z:450 Y:±30 A:475		X:170 Z:510 Y:±40	X:170 Z:510 A:57		
Rapid traverse	m/min	X:18 Z:24	Y:12 A:18	X:18 Z:24	Y:12 A:30	X:18 Z:24	Y:12 A:30		
Spindle motor	kW	AC5.5/3.7 (7.5/5.5)	AC3.7/2.2	AC7	.5/5.5	AC18.5/15	AC11/7.5		
Dimensions(LXW)	mm	2,400×	1,650	2,950	×2,015	3,050×2,125			
Controller		TAKAMAZ & FANUC 18i-TB		TAKAMAZ & FANUC 18i-TB		TAKAMAZ &	FANUC 31i-A		
Power to- Drill	mm	φ1	3	Φ	13	φ16			
ols capacity End mil	mm	φ1	3	Φ	13	φ1	6		
Тар	mm	M8	3	N.	//8	M1	6		

8 inch

Best for Processing Large Bar Materials

0

A futuristic slim design with an incredible space-saving design and with high quality and low price.





J-WAVE



1-spindle 1-slide

The CNC Linear Turret lathe that provides thorough solutions for all requirements. The best in its class for swift rapid traverse.





TOP-TURN II

Global Strategy Lathe

A simple machine best in its class among manual operated machines, focusing the cost performance.







GSL-15

Super Compact Machine Body

Chuck Size 3 inch





Attachment

Recipient of 2010 fiscal year The Japan Society of Mechanical Engineers Superior Product Award

4 inch

J-WAVE

Machine



Suited for Powerful

6 inch

TOP-TURN II



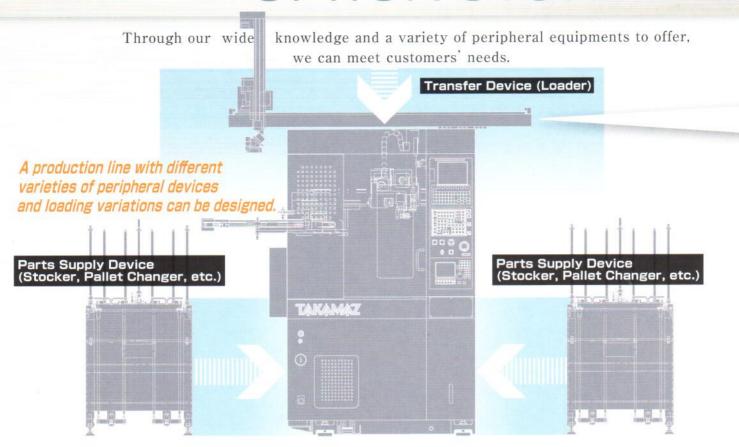
Excellent Cost Performance

GSL-15



Item	Unit	USL-480	J-WAVE	TOP-T	URN I	GSL-15	
item	Unit	USL-480	J-WAVE	Type A	Type B	GSL-15	
Chuck Size	inch 3		4	6	8	8	
Spindle bearing I.D.	mm	φ50	φ65 φ75 φ85		φ85	φ100	
Spindle speed	min-1	Max.10,000	Max. 4,500	Max.6,000 Max.4,500		Max.3,500	
Tool post type	4	Horizontal linear	Horizontal linear Horizontal linear Horizontal linear		8-station turret		
Max. stroke	mm	X:160 Z:200	X:160 Z:160	X:300 Z:300		X:175 Z:330	
Rapid traverse	m/min	X:12 Z:15	X:12 Z:12	X:12 Z:18		X:12 Z:16	
Spindle motor	kW	AC5,5/3.7	AC3.7/2.2	AC7.5/5.5		AC7.5/5.5	
Dimensions(LXW)	mm	480×1,810 1,160×1,055		1,820×1,510		1,600×1,460	
Controller		TAKAMAZ & FANUC 21i-TB / TAKAMAZ & MITSUBISHI	TAKAMAZ & MITSUBISHI	TAKAMAZ & FANUC Oi-TC		TAKAMAZ & FANUC Oi mate-Ti	

TAKAMAZ OPTION SYSTEM



Automation Peripheral Devices



Station stocker Flexible Multi-layer stocker to accommodate different part diameter sizes



Stocker for Shaft



Parts feeder A cylindrical stocker with minimum footprint for storing small parts.



Flat stocker

Tray changer be stored together with the trav

Quality/Environment control unit





Oil mist collector facilitates a clean production



Without operator



environment



Automatic fire extinguisher If fire breaks out in the machine during automatic operations, fire extinguishing agent is automatically

Cutting efficiency/Chip disposal



Alloyed Clamp Holder for vibrations suppression





High-pressure coolant Constantly cooled coolant is discharged at high pressure so that the tool life is significantly prolonged.



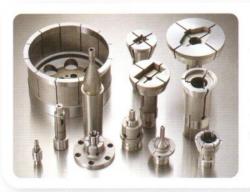
Chip conveyor (Spiral type)

Chip disposal Is done semi-automatically in the minimum space





Semi-dry machining Ultratrace, highly-lubricating organic coolant is applied to the correct point on the cutting edge, realizing



TAKAMAZ Collet Chuck

The collet chuck developed and marketed under the TAKAMAZ brand is manufactured in the factory where an integrated system is used to streamline every part of the production, from machining to heat treatment. Collet run-off accuracy conforms to TAKAMAZ standard, which is even higher than Japanese Industrial Standards (JIS), allowing us to provide our customers with exceptionally dependable products.

XC-100, XL-100, X-120, XW-80(M), XD-8(t) PLUS, XD-10i, XY-120, USL-480, J-WAVE

TAKAMAZ LOADER SYSTEM

Encouraged from sales of more than 60 years, with "Integral loader" design philosophy in mind, TAKAMAZ will lead the consistent support service follow up and support system built on trust, leading to increased productivity.

Space Saving Accessory Devices

Improving Durability

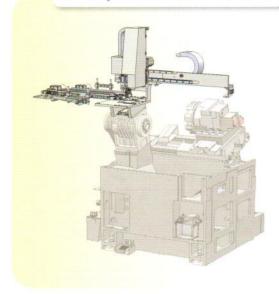
Pursuing of the Low Cost

Short Loading Time

Flexible System
Line Configuration

Improving Operability

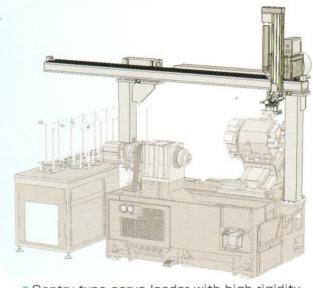
Compact Loader (260)



- Hi Speed Loader mounted on the machine to save space.
- A dedicated servo controller allows speedy setup.



Gantry Loader (ΣGH 150)



- Gantry-type servo loader with high rigidity.
- The traverse distance can be extended, ensuring extremely flexible line configuration and systemization of peripheral equipment.



			Compact Type							Gantry Type						
Loader type		pe W	WASO	MD50	∑W30	ΣU30	ΣC60	Σ80	ΣGT60	ΣGT700	ΣG80/150	ΣGH80/150	SRT150	ΣGT150		
М	odel		J-WAVE	XD-8(t)PLUS	XW-30	USL-480	XC-100 XL-100	X-150 PLUS XD-10 i	XW-80 XW-80м	X-5700	X-150 PLUS X-180 X-200 XD-10i	XC-100 XL-100 XC-150 X-150 PLUS X-180 X-120 TOP-TURN II	XW-150	XW-150		
Workniece	Diameter(Max.)	mm	φ30	φ50	φ30	φ30	φ60	φ80	φ60	φ70	φ80/150	φ80/150	150	150		
Workpiece dimensions	Weight (per side)	kg	0.3	0.5	0.3	0.3	1.0	1.5	1.0	10 (20)	1.0/1.5	1.5	3.0	3.0		
Shoulder	Stroke	mm	525	600	※1	*1	390	440	%1	#1	38(1	※1	* 1	 #1		
Traverse axis · Z-axis	Rapid traverse	m/min	45	75	80	70	84	90	110	90	90	155	100	130		
Anteroposterior axis	Stroke	mm	_	_	-	_	-	_	200	260		_	-	_		
X-axis	Rapid traverse	m/min	12	<u> </u>	_	122			45	50	_	7_7				
Arm	Stroke	mm	125	540	235	260 (235%2)	300	460	470	1,000	500/600	460/580	680 (340×2)	680 (340×2		
/ertical axis · Y-axis	Rapid traverse	m/min	_	75	80	60	71	90	75	90	90	125	90	120		

*1 Depends on specifications. *2 Two-jaw hand specifications. (USL-480 only)

Service Network & Support

Global Network Built Up on Reliability

TAKAMAZ aim is to create a corporate entity that can flexibly respond to the needs of our customers both at home and abroad. In order to do this, TAKAMAZ is active in collecting date about products and user needs and then utilizing them in the engineering process. This is our way of showing that the customer is a first priority.

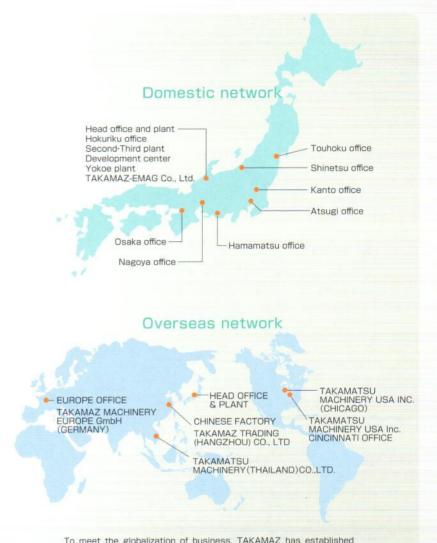
One of our overseas strategies is to keep a close relationship with our customers by using a one agent system. We also emphasize a before and after sales system to help us keep in better touch with our customers and their continually changing needs. For customers not familiar with NC operation we also provide NC training in operation and maintenance.

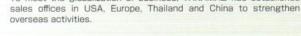


Flourishing domestic exhibitions



NC schooling as part of our after-care services





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The product shipped to you (the machine and accessory equipment) has been manufactured in accordance with the laws and standards that prevail in the relevant country or region. Consequently it cannot be exported, sold, or relocated, to a destination in a country with different laws or standards.

Specifications and accessories are subject to change without notice. Standard specifications of the machine may differ according to destinations.





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