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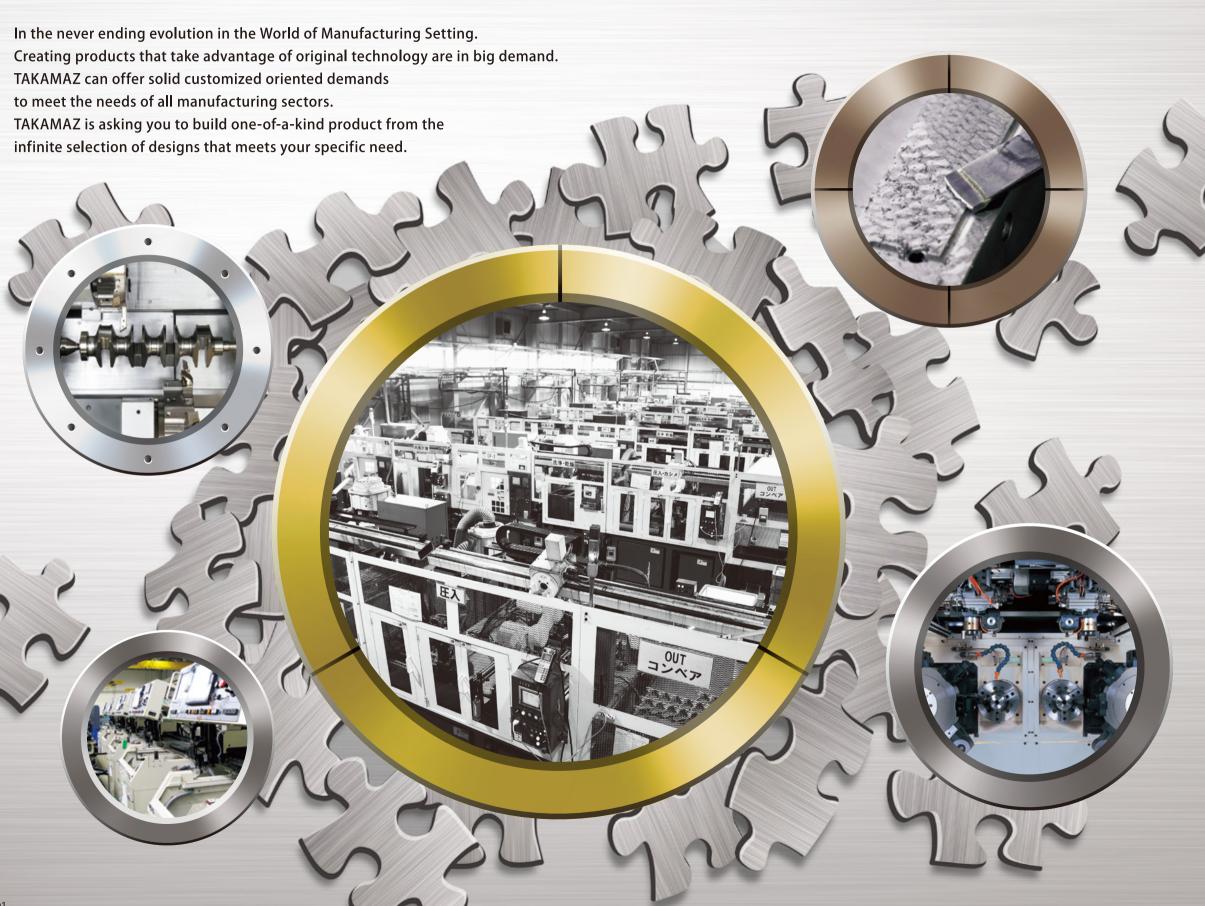
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As such, the exportation must be authorized by the Japanese government as stipulated in the laws This product is manufactured in accordance with the regulations and standards that prevail in the country or region of destination. The user must not export, sell, or relocate the product, to any country with different regulations or standards.





Infinite Possibility For Cus tomization



TAKAMAZ

LINE UP



Xseries

1 spindle 1 turret PAGE 03

Our total production count is a proof of reliability. This is a TAKAMAZ standard that has



XWseries

2 spindle 2 slide PAGE 05

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.



XDseries

2 spindle 1 slide PAGE 06

One spindle performs loading while the

other is machining Production rates doubled within the



XYseries

With 2 spindle and 2 turret, there are lots of possible cutting methods. Complex parts can be processed at shorter amount of time.



GSLseries

1 spindle 1 turret PAGE 07

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



GANG TYPEseries

1 spindle 1 slide PAGE 08

Gang type precision lathe that has honed the



SKIVING MACHINE

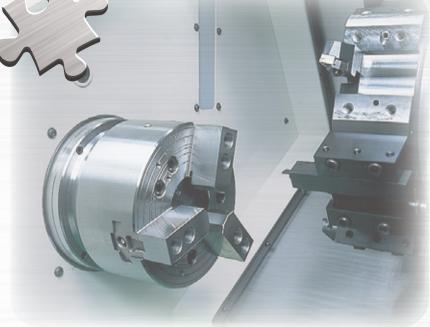
1 spindle 1 turret PAGE 08

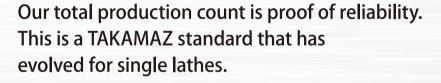
Introducing a Special Machine Specifically Designed for Skiving.

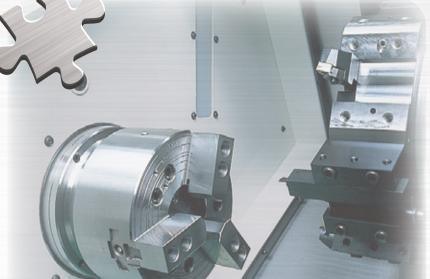
OPTIONsystem PAGE 09

LOADERsystem PAGE 10

series



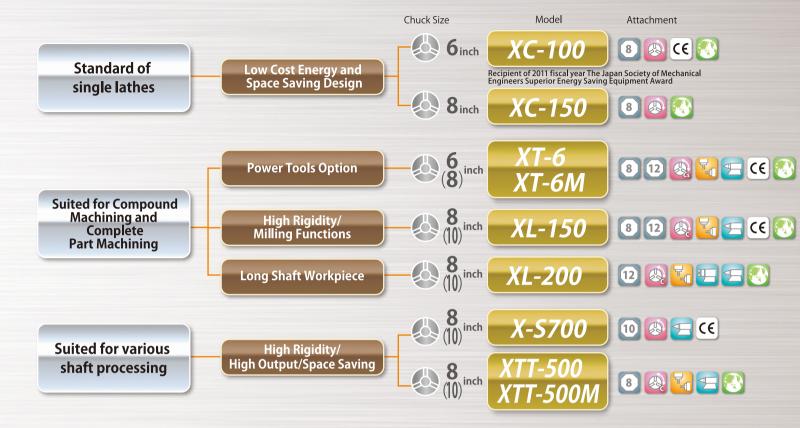








"Starting Point of TAKAMAZ" Integration of the Power of Technology.









Xseries	Machine	Specifications

Xseries Mac	hine $Sp\epsilon$	ecifications										
Item	Unit	XC-100	XC-150	XT-6 (Standard)	XT-6M (Power tool type)	XL- Standard	150 Power tool type	XL-i Standard	200 Power tool type	X-S700	XTT-500 (Standard)	XTT-500M (Power tool type)
Chuck Size	inch	6	8	60	8)	8(10)	8	8(10)	8 (10)	8(10)	8
Spindle bearing I.D.	mm	φ75	φ100	φ75(φ85)	φ100 (φ120)	φ100	φ100	(φ120)	φ100 (φ120)	φ100 (φ120)	φ100
Spindle speed	min ⁻¹	Max.4, 500	Max.3, 500	Max.4,500(6	,000)(3,500)	Max.3,500(5,000·4,000)	Max.3,500(5,000)	Max.3,500 (5	5,000·4,000)	Max.3, 500 (3,000)	Max.4,000(3,500)	Max.4,000
Tool post type		8-station turret	8-station turret	8-station (12-station)turret	12-station turret	8-station (12-station)turret	12-station turret	12-stati	ion turret	10-station turret ×2	8-station	turret ×2
Max. stroke	mm	X:120 Z:230	X:175 Z:250	X:120	Z:280	X:190	Z:400	X:225	Z:800	X:115 Z:650	X:105	Z:450
Rapid traverse	m/min	X:12 Z:18	X:18 Z:24	X:18	Z:24	X:18	Z:24	X:18	Z:24	X:16 Z:30	X:18	Z:24
Spindle motor	kW	AC7.5/5.5	AC11/7.5	AC7.5/5.	5(11/7.5)	AC11/7.	5(15/11)	AC11/7.5	(18.5/15)	AC15/11 (18.5/15)	AC15/11 (18.5/15)	AC15/11
Power Milling	mm	_	_	_	φ10	_	φ20	_	φ20	_	_	φ10
tools ———— capacity ^{Tap}	mm	_	_	_	M6	_	M4~M16	_	M4~M16	_	_	M4 ~ M8
Dimensions(L×W)	mm	1,150 × 1,360	1,250 × 1,480	1,360	< 1,370	1,600 × 1,535	1,690 × 1,535	2,900(3,10	0*) × 1,845	1,960 × 1,720	1,695	< 1,830
Controller		TAKAMAZ & FANUC Oi-TD	TAKAMAZ & FANUC Oi-TD	TAKAMAZ &	FANUC Oi-TF	TAKAMAZ &	FANUC Oi-TD	TAKAMAZ &	FANUC Oi-TD	TAKAMAZ & FANUC Oi-TD	TAKAMAZ &	FANUC Oi-TF

Display of Main Attachments



CE type





















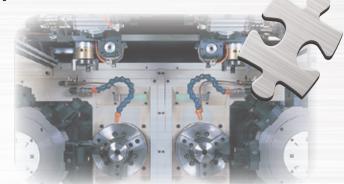


XW-30 PLUS

XW-200

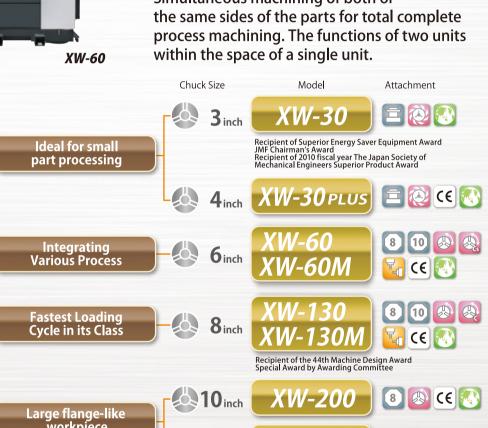
From high volume machining to heavy cutting.
Revolutionary machine with
2-spindle and 2-slide





Simultaneous machining of both or the same sides of the parts for total complete within the space of a single unit.

XWT-10 0 @ CE 3

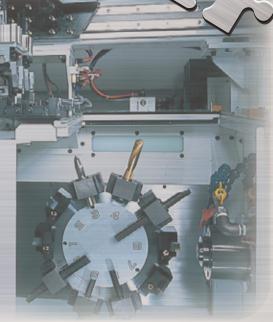




2-spindle and 1-slide TAKAMAZ Specialized Structure





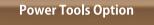


One spindle performs loading while the other is machining. Production rates doubled within the same space!



Flexible Usability depending on Production Needs











0	3	C
-		

Item	Unit	XW-30	XW-30 PLUS	XW-60 (Standard)	XW-60M (Power tool type)	XW-130 (Standard)	XW-130M (Power tool type)	XW-200	XWT-10
Chuck Size	inch	Collet,3 (Air) × 2	Collet,3,4 × 2	Collet,6	6(5)×2	Collet	,8 × 2	10×2	10×2
Spindle bearing I.D.	mm	φ50	φ60	φ75(φ75(φ65)		φ100		φ120
Spindle speed	min ⁻¹	Max.10,000*1	Max.8,000	Max.4,50	Max.4,500 (6,000)		1,000	Max.2,800	Max.2,800 (4,000)
Tool post type		Gang type × 2	Gang type × 2	8-station turret × 2	10-station turret × 2	8-station turret × 2	10-station turret × 2	8-station turret × 2	10-station turret × 2
Max. stroke	mm	X:160 Z:200	X:160 Z:230	X:125	Z:140	X:150 Z:160	X:170 Z:220	X:170 Z:220	X:170 Z:270
Rapid traverse	m/min	X:12 Z:15	X:12 Z:20	X:21	Z:18	X:24	Z:24	X:24 Z:24	X:24 Z:24
Spindle motor	kW	AC3.7/2.2 × 2	AC5.5/3.7 × 2	AC 7.5/5.5×2		AC11/7.5 × 2		AC18.5/15×2	AC18.5/15 × 2
Power Milling	mm	_	_	_	φ13	_	φ16	_	_
tools ———— capacity ^{Tap}	mm	_	_	_	M4~M10	_	M4~M10	_	_
Dimensions(L×W)	mm	1,300 × 2,000	1,340 × 2,120	1,595(1,950)×2,005	1,695(1,950)×2,005	1,890(2,250*2) × 2,140	1,990(2,350 ^{*2})×2,330	1,990(2,350*2) × 2,330	2,040(2,350*2) × 2,370
Controller		TAKAMAZ & MITSUBISHI M70	TAKAMAZ & MITSUBISHI M70V	TAKAMAZ &	FANUC Oi-TF	TAKAMAZ & FAN	TAKAMAZ & FANUC Oi-TD(Oi-TF*3)		TAKAMAZ & FANUC Oi-TF

Item	Unit	XD-8 PLUS	XD-8T PLUS	XD-10 i		
Chuck Size	inch	Collet,	Collet,(5) × 2			
Spindle bearing I.D.	mm	φθ	<i>φ</i> 65			
Spindle speed	min-1	Max.4,50	Max.4,500 (8,000)			
Tool post type		Gang type	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	X:18 Z:24			
Spindle motor	kW	AC3.7/2.2 (5	AC5.5/3.7(7.5/5.5) × 2			
Dimensions(L×W)	mm	1,580>	2,310×1,695			
Controller		TAKAMAZ &	TAKAMAZ & FANUC Oi-TE			

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

NEW

XWT-10

series

TAKAMAZ Compact Machines
Suitable for Compound Machining



With 2 spindle and 2 turret, there are lots of possible cutting methods. Complex parts can be processed at shorter amount of time.

> A simple machine best in its class among

manual operated

cost performance.

machines, focusing the





Chuck Size Model

Attachment











Best for Processing Large Bar Materials













12 (T) (A) (T) (CE (A))



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

Global Strategy Lathe

series

1-spindle 1-turret

Cost Performance

XYseries Machine Specifications



Chuck Size

TAKAMAZ & FANUC Oi-TD







GSL-10H



TAKAMAZ & FANUC 32i-B

Model





TAKAMAZ & FANUC 31i-A

Attachment

GSL-15 PLUS



GANG TYPE Series 1-spindle 1-slid Gang type Gang type



Gang type precision lathe that has honed the essentials.



Chuck Size



1-spindle 1-slide

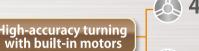


Model



Attachment

Recipient of 2010 fiscal year The Japan Society of











Super Compact Machine Body







XG-4

USL-480

1-spindle 1-turret



Introducing a Special Machine Specifically Designed for Skiving.

Limited exclusively to domestic sales in Japan



Process integration with turning + grinding











-	
SKV-8	

	Item	I I m l d	XY-12	O PLUS	XYT	-51	XY-2000 PLUS		
	Item	Unit	Main-spindle	Sub-spindle	Main-spindle	Sub-spindle	#1 Spindle	#2 Spindle	
С	huck Size	inch	Collet,6	Collet,5	Coll	et,6	8	3	
Spir	ndle bearing I.D	mm	φ85(φ100)	φ65	φ100	φ85	φ100(φ120)	φ100	
Spi	indle speed	min ⁻¹	Max.5,000 (4,000)	Max.5,000	Max.5	5,000	Max.4	4,000	
Too	ol post type		12-station turret、24ST		12-station	turret、24ST	12-station turret		
М	lax. stroke	mm	X1:150 Z1:330 Y:±	:35 X2:150 Z2:440	X1:162.5 Z1:500 Y:±35	X2:170 Z2:500 A:550	X:175 Z:510 Y:±40	X:175 Z:510 A:570	
Rap	pid traverse	m/min	X1:18 Z1:24 Y:±	:12 X2:18 Z2:18	X1:18 Z1:30 Y:12	X2:18 Z2:30 A:30	X:18 Z:24 Y:12	X:18 Z:24 A:30	
Spi	indle motor	kW	AC7.5/5.5 (AC11/7.5)	AC5.5/3.7	AC18.5/15/11	AC9/7.5/5.5	AC18.5/15	AC11/7.5	
Pov		mm	φ1	13	φ	13	φ	16	
	acity ^{Tap}	mm	М	8	М	12	M16		
Dim	oncione/L×M/\	mm	2 630 3	(1.950	2 995	< 2.250	3.060 × 2.145		

GSLseries Ma	chine S	pecifications	
Item	Unit	GSL-10 H	GSL-15 PLUS
Chuck Size	inch	Collet,6	Collet,8
Spindle bearing I.D.	mm	φ75	φ100
Spindle speed	min-1	Max.4,500	Max.3,500
Tool post type		8-station turret	8-station turret
Max. stroke	mm	X:120 Z:230	X:175 Z:330
Rapid traverse	m/min	X:12 Z:18	X:18 Z:24
Spindle motor	kW	AC5.5/3.7	AC7.5/5.5
Dimensions(L×W)	mm	1,610×1,390	1,875(With tailstock:1.990) ×1,680
Controller		TAKAMAZ & FANUC Oi Mate-TD	TAKAMAZ & FANUC Oi-TF

Item	Unit	USL-480	XG-4	J-WAVE PLUS	TOP-T Type A	URN II Type B
Chuck Size	inch	Collet,3	Coll	et,4	6	8
Spindle bearing I.D.	mm	φ50	<i>φ</i> 65		φ75	φ85
Spindle speed	min ⁻¹	Max.10,000	Max.8,000	Max.4,500	Max.6,000	Max.4,500
Tool post type		Gang type	Gang type		Gang type	
Max. stroke	mm	X:160 Z:200	X:200	Z:250	X:300	Z:300
Rapid traverse	m/min	X:12 Z:15	X:18	Z:18	X:12	Z:18
Spindle motor	otor kW AC5.5/3.7		AC7.5/5.5/3.7	AC5.5/3.7	AC7.	5/5.5
Dimensions(L×W)	mm	480×1,941	1,506 × 1,250(780 × 1,735*)		1,820×1,510	
Controller		TAKAMAZ & FANUC 0i-TD/ TAKAMAZ & MITSUBISHI M64			TAKAMAZ &	FANUC Oi-TD

SKV-8 Machine Specifications								
Item	Unit	SKV-8						
Chuck Size	inch	8						
Spindle bearing I.D.	mm	φ100						
Spindle speed	min ⁻¹	Max.5,000						
Tool post type		12-station turret						
Max. stroke	mm	X:150 Y:±35 Z:400						
Rapid traverse	m/min	X:18 Y:12 Z:24						
Spindle motor	kW	AC 15/11						
Dimensions(L×W)	mm	2,270×1,690						
Controller		TAKAMAZ & FANUC Oi-TF						

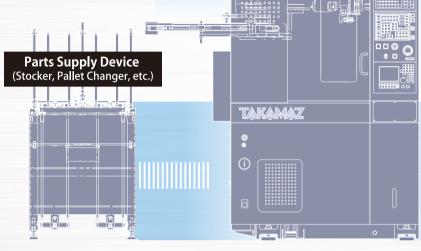
TAKAMAZ OPTION

system

By applying our experiences in manufacturing of peripheral devices and our wealth of design achievements, we will continue to meet the needs of our customers.

Transfer Device (Loader)

A production line with different varieties of peripheral devices and loading variations can be designed.



Parts Supply Device (Stocker, Pallet Changer, etc.)

Automation Peripheral Devices



■ Station stocker Flexible Multi-layer stocker to accommodate



■ Stocker for Shaft ■ Parts feeder A cylindrical stocker footprint for storing





■ Flat stocker

■ Tray changer

Workpieces can be

the tray.

stored together with





facilitates a clean production





Without operator Dimensional errors are fed back intervention, cleaning is performed



■ Oil mist collector





■ Automatic fire extinguisher If fire breaks out in the machine during automatic operations. fire extinguishing agent is

Cutting efficiency/Chip disposal



■ Alloyed Clamp Holder for vibrations suppression Inhibiting the progression of wear Chip disposal is done cutting tool life in high speed



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



■ Chip conveyor (Spiral type) the minimum space.

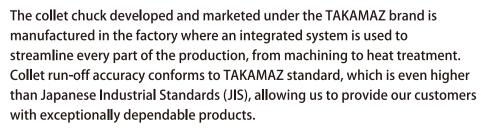


■ Semi-dry machining organic coolant is applied to the correct point on the cutting edge, realizing semi-dry machining

Chips are reliably

discharged outside

TAKAMAZ Collet Chuck



TAKAMAZ

Encouraged from sales of more than 65 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.

system

Space Saving Accessory Devices

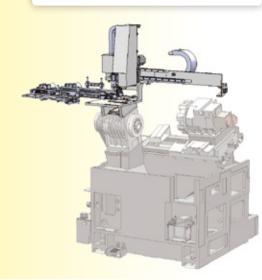
Improving Durability

Pursuing of the Low Cost _oading Time

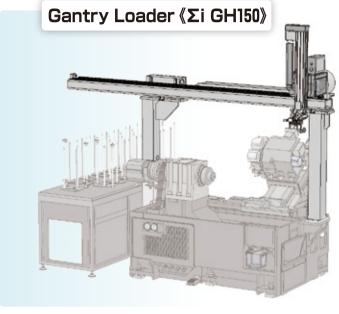
Flexible System ine Configuration

Improving Operability

Compact Loader (\(\Si\))



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



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

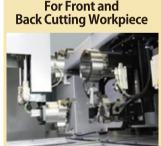
For Small and **Short Workpiece**



Parallel Hand



L Hand



Σi GTH Hand



Pendulum Hand

■ Workpiece delivery from transport unit using a conveyor

To transport the workpieces with different shapes and cutting points, a variety of turn devices are available to provide a reliable workpiece delivery system.

