

HIGH SPEED PRECISION LATHES

SJ-series

TAKAMAZ

ECOCA[®]

—Focus on every detail—



F.T. JAPAN CO., LTD.



Ideal for small-quantity production and machining of workpieces of various shapes.

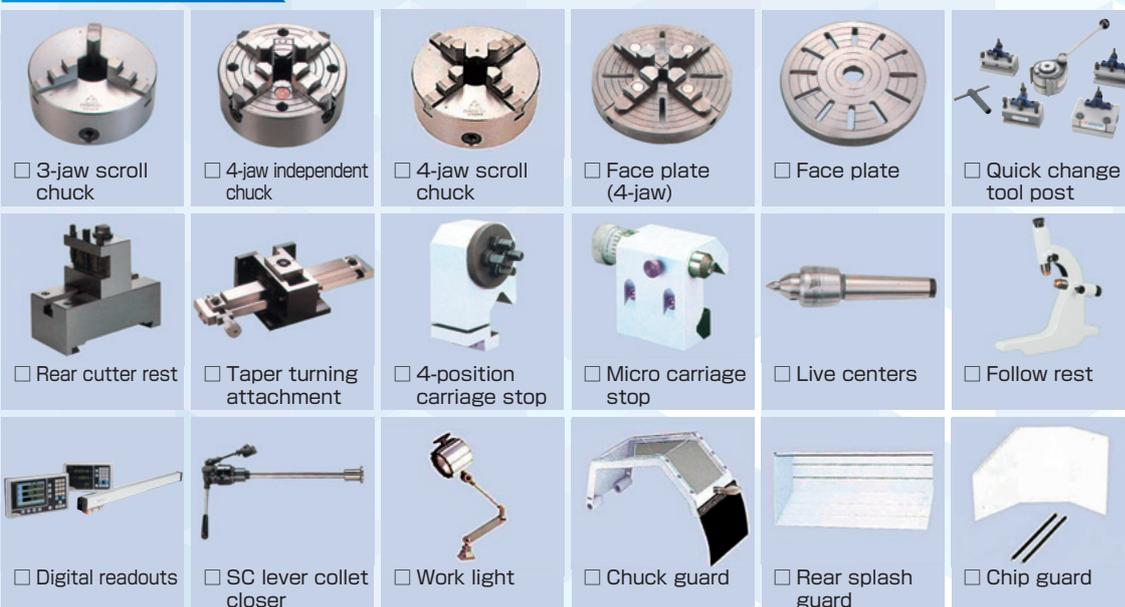
● High-quality meehanite cast iron is used for the bed, and the sliding surfaces are induction hardened and ground to a finish. The integrated structure of the cast iron allows stable machining of even powerful cutting.

● The automatic feed stop position can be set according to the machining process because of the automatic feed stopper ring. A safety device is provided to stop the automatic feed when the vertical feed is overloaded.

STANDARD ACCESSORIES

- Tool Box
- Tail Stock
- Centers(2pcs)
- Center sleeve
- Safety pin
- Screw wrench for cutter setting
- Back plate
- Steady rest
- Coolant system
- 4-way tool post
- Auto-feed stopper ring
- Vertical feedhandle (Mounting position selectable from left or right)
- Power supply AC200V 3 phase
- Parent screw, memory (metric specs)

OPTIONAL ACCESSORIES



Case examples: Major automotive company T, major tire company B, various processing companies, industrial high school, etc.

Main Specifications

Specifications	Model	Unit	SJ-430			SJ-480		
			760G	1000G	1500G	760G	1000G	1500G
Swing Over Bed		mm	430			480		
Swing Over Cross Slide		mm	240			280		
Distance Between Centers		mm	760	1,016	1,524	760	1,016	1,524
Core Height from Floor		mm	1,023	1,068	1,068	1,042	1,087	1,087
Swing Over Gap		mm	650			690		
Width of Bed		mm	300			300		
Spindle Nose			ASA A2-6 (or A1-6)			ASA A2-6 (or A1-6)		
Spindle Bore		mm	φ 58			φ 58		
Taper of Spindle Bore			MT#6			MT#6		
Range of Spindle Speed		min ⁻¹	20~2,000(12 changes)			20~2,000(12 changes)		
Max.Travel	Cross Slide	mm	250			250		
	Top Slide	mm	125			125		
Auto Feedrate	Longitudinal Feeds	mm/rev	0.05~0.82			0.05~0.82		
	Cross Feeds	mm/rev	0.02~0.4			0.02~0.4		
Threads Range	Metric Screw	mm	17 types P0.5~P7			17 types P0.5~P7		
	Inch Screw		36 types 4~56			36 types 4~56		
Leadscrew Diameter (Pitch)		mm	35(P6)			35(P6)		
Tail Stock	Quill Diameter	mm	φ 58			φ 68		
	Quill Taper	T.P.I.	MT#4			MT#4		
	Quill Travel	mm	127			127		
Coolant Pump			1/8HP (0.1kW)			1/8HP (0.1kW)		
Main Drive Moter			5HP (3.75kW)			7.5HP (5.62kW)		
Floor Space (L × W × H)		mm	1,910x810x1,170	2,160x810x1,170	2,670x810x1,170	1,910x810x1,220	2,160x810x1,230	2,670x810x1,230
Net Weight		kg	1,550	1,600	1,850	1,600	1,650	1,900

Specifications	Model	Unit	SJ-530			SJ-560	SJ-660
			760G	1000G	1500G	1500G	2000G
Swing Over Bed		mm	530			560	660
Swing Over Cross Slide		mm	330			339	433
Distance Between Centers		mm	760	1,016	1,524	1,524	2,032
Core Height from Floor		mm	1,077	1,113	1,113	1,102	1,138
Swing Over Gap		mm	740			785	890
Width of Bed		mm	300			350	400
Spindle Nose			ASA A2-6 (or A1-6)			ASA A2-8 (or A1-8)	
Spindle Bore		mm	φ 58			φ 82	
Taper of Spindle Bore			MT#6			MT#7	
Range of Spindle Speed		min ⁻¹	20~2,000(12 changes)			15~1,500(12 changes)	
Max.Travel	Cross Slide	mm	250			300	
	Top Slide	mm	125			200	
Auto Feedrate	Longitudinal Feeds	mm/rev	0.05~0.82			0.05~0.82	
	Cross Feeds	mm/rev	0.02~0.4			0.02~0.4	
Threads Range	Metric Screw	mm	17 types P0.5~P7			24 types P0.5~P14	
	Inch Screw	T.P.I.	36 types 4~56			44 types 2~56	
Leadscrew Diameter (Pitch)		mm	35(P6)			38(P6)	
Tail Stock	Quill Diameter	mm	φ 68			φ 75	φ 85
	Quill Taper		MT#4			MT#5	
	Quill Travel	mm	127			165	
Coolant Pump			1/8HP (0.1kW)			1/8HP (0.1kW)	
Main Drive Moter			7.5HP (5.62kW)			10HP (7.5kW)	15HP (11.25kW)
Floor Space (L × W × H)		mm	1,910x810x1,240	2,160x810x1,240	2,670x810x1,240	2,790x990x1,250	3,450x1,020x1,300
Net Weight		kg	1,650	1,700	1,950	2,400	2,850

TAKAMAZ

TAKAMATSU MACHINERY CO., LTD.

■ **HEAD OFFICE & PLANT**

1-8 ASAHIGAOKA HAKUSAN-CITY ISHIKAWA JAPAN. 924-8558 TEL +81-(0)76-207-6155 FAX +81-(0)76-274-1418

■ **ASAHI PLANT**

4-13 ASAHIGAOKA HAKUSAN-CITY ISHIKAWA JAPAN. 924-0004 TEL +81-(0)76-274-0123 FAX +81-(0)76-274-8530

■ **TAKAMATSU MACHINERY U.S.A., INC.**

■ **CHICAGO HEAD OFFICE**

1280 LANDMEIER ROAD ELK GROVE VILLAGE, IL 60007 USA TEL +1-(0)847-981-8577 FAX +1-(0)847-981-8599

■ **TAKAMAZ MACHINERY EUROPE GmbH**

IM HÜLSENFELD 19, 40721 HILDEN, GERMANY TEL +49-(0)2103-789-4882 FAX +49-(0)2103-789-4883

■ **TAKAMAZ MACHINERY (HANGZHOU) CO., LTD.**

■ **HANGZHOU HEAD OFFICE**

NO.6800, JIANGDONG 3RD ROAD, JIANGDONG INDUSTRIAL PARK, XIAOSHAN, HANGZHOU, ZHEJIANG, CHINA
TEL +86-(0)571-8287-9709 FAX +86-(0)571-8215-3732

■ **TAKAMATSU MACHINERY (THAILAND) CO., LTD.**

■ **BANGKOK HEAD OFFICE**

888/59 MOO 9, TAMBOL BANGPLA, AMPHUR BANGPLEE, SAMUTPRAKARN PROVINCE, THAILAND
TEL +66-(0)2-136-7831 FAX +66-(0)2-136-7834

■ **PT. TAKAMAZ INDONESIA**

JL. FESTIVAL BOULEVARD BLOK AA 11 NO.30,31 GRAND WISATA TAMBUN, BEKASI 17510
TEL +62-(0)21-8261-6431 FAX +62-(0)21-8261-6430

Importer



F.T. JAPAN CO., LTD.

4-13 ASAHIGAOKA HAKUSAN-CITY ISHIKAWA JAPAN. 924-0004 TEL +81-(0)76-274-1988 FAX +81-(0)76-274-8530

■ **TAKAMAZ MACHINERY MEXICO, S.A.DE C.V.**

AVENIDA DE LOS INDUSTRIALES 522, LOCAL 4, INDUSTRIAL JULIAN DE OBREGON, 37290 LEON, GUANAJUATO MEXICO
TEL +52-477-784-0468

■ **TAKAMATSU MACHINERY VIETNAM CO., LTD**

NO.76 M HOANG QUOC VIET, PHU MY WARD, DISTRICT 7, HO CHI MINH CITY, VIETNAM
TEL +84-(0)28-3620-5671 FAX +84-(0)28-3620-5673

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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.

