

## 2-Axis Big-Bore Lathes Specifications

	<b>1SC-350</b>	<b>2SC-500</b>	<b>2SC-650</b>	<b>2SC-850</b>	<b>3SC-1000</b>
COLLET (STD)	3.50" COLLET	5.00" COLLET	6.50" COLLET	8.50" COLLET	10.00" COLLET
CHUCK (OPT)	12"	15"	15" - 18"	18"	18" - 24"
SPINDLE NOSE	8"-A2	11"-A2	11"-A2	15"-A2	15"-A2
SPINDLE BORE	3.53"	5.03"	6.56"	8.75"	10.03"
ROUND BAR CAPACITY (MAX)	3.50"	5.00"	6.50"	8.50"	10.00"
SPINDLE CENTERLINE HEIGHT	44.50"	46.00"	46.00"	46.00"	48.00"
MAX OD TURNING LENGTH	15.13"	16.25"	16.25"	16.25"	27.00"
MAX ID BORING DEPTH	8.88"	11.88"	11.88"	11.88"	11.88"
MAX TURNING DIAMETER	12.00"	15.00"	15.00"	15.00"	25.00"
TURRET BAR DIAMETER	7.25"	9.00"	9.00"	9.00"	12.00"
CNC CONTROL	FANUC 30i-SERIES	FANUC 30i-SERIES	FANUC 30i-SERIES	FANUC 30i-SERIES	FANUC 30i-SERIES
SPINDLE SPEED RANGE (STD)	35-3,000 RPM (BELT)	35-3,000-RPM (BELT)	35-2,000 RPM (BELT)	35-1,600 RPM (BELT)	19-850 RPM (GEAR)
SPINDLE DRIVE	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi
SPINDLE HORSEPOWER (STD)	30-HP CONTINUOUS	50-HP CONTINUOUS	50-HP CONTINUOUS	50-HP CONTINUOUS	80-HP CONTINUOUS
SPINDLE HORSEPOWER (OPT)	40-HP CONTINUOUS	80-HP CONTINUOUS	80-HP CONTINUOUS	80-HP CONTINUOUS	125-HP CONTINUOUS
SERVO DRIVE SYSTEM	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi
	AC DIGITAL	AC DIGITAL	AC DIGITAL	AC DIGITAL	AC DIGITAL
MAX AXIS FEED RATE	200-IPM	200-IPM	200-IPM	200-IPM	200-IPM
MAX AXIS TRAVERSE RATE	400-IPM	400-IPM	400-IPM	400-IPM	250-IPM (X) 400-IPM (Z)
X-AXIS TRAVEL	6.25"	7.75"	7.75"	7.75"	12.75"
Z-AXIS TRAVEL	8.88"	12.00"	12.00"	12.00"	15.00"
TURRET STATIONS	12-STD 15-OPT	12-STD 15-OPT	12-STD 15-OPT	12-STD 15-OPT	12-STD
INDEX SYSTEM	BI-DIRECTIONAL	BI-DIRECTIONAL	BI-DIRECTIONAL	BI-DIRECTIONAL	BI-DIRECTIONAL
	SKIP-INDEX	SKIP-INDEX	SKIP-INDEX	SKIP-INDEX	SKIP-INDEX
	INDEX ANYWHERE	INDEX ANYWHERE	INDEX ANYWHERE	INDEX ANYWHERE	SAFE INDEX ZONE
	SERVO-INDEX,	SERVO-INDEX,	SERVO-INDEX,	SERVO-INDEX,	SERVO-INDEX,
	HYD CLAMP	HYD CLAMP	HYD CLAMP	HYD CLAMP	HYD CLAMP
TOOL SHANK SIZE (STD)	1.00" x 5.00"	1.25" x 6.00"	1.25" x 6.00"	1.25" x 6.00"	1.50" x 6.00"
MAX BORING BAR DIAM	2.50"	3.00"	3.00"	3.00"	4.00"
LIVE TOOLING HP (OPT)	10-HP	10-HP	10-HP	10-HP	10-HP
LIVE TOOLING TORQUE	795 IN-LB CONT	795 IN-LB CONT	795 IN-LB CONT	795 IN-LB CONT	795 IN-LB CONT
LIVE TOOL COLLET SIZE	ER40 (1.181")	ER40 (1.181")	ER40 (1.181")	ER40 (1.181")	ER40 (1.181")
ELECTRICAL POWER	460-VAC 3-PH 60-HZ	460-VAC 3-PH 60-HZ	460-VAC 3-PH 60-HZ	460-VAC 3-PH 60-HZ	460-VAC 3-PH 60-HZ
	75-KVA	90-KVA	90-KVA	90-KVA	125-KVA
COOLANT CAPACITY	55-GAL	80-GAL	80-GAL	80-GAL	120-GAL
MACHINE HEIGHT	94.00"	94.00"	94.00"	94.00"	98.00"
	92"-W x 162"-LG	130"-W x 165"-LG	130"-W x 165"-LG	130"-W x 165"-LG	141"-W x 200"-LG
SHIPPING DIMENSIONS	77"-W x 162"-LG x 94"-H	96"-W x 165"-LG x 94"-H	96"-W x 165"-LG x 94"-H	96"-W x 165"-LG x 94"-H	114"-W x 200"-LG x 98"-H
MACHINE WEIGHT	15,000-LB	20,000-LB	20,500-LB	22,500-LB	32,000-LB

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