

4-Axis Disc Lathes Specifications

	1SC-4X	2SC-4X	3SC-4X
WORKHOLDING	SPINDLE MANDREL	SPINDLE MANDREL	SPINDLE MANDREL
SPINDLE NOSE	8"-A2	11"-A2	15"-A2
SPINDLE BORE	3.03"	5.03"	8.25"
SPINDLE CENTERLINE HEIGHT	47.75"	49.25"	51.25"
MAX TURNING DIAMETER	33.50"	44.00"	52.00"
TURRET BAR DIAMETER	7.25"	7.25"	9.00"
CNC CONTROL	FANUC 30i-SERIES	FANUC 30i-SERIES	FANUC 30i-SERIES
SPINDLE SPEED RANGE (STD)	2-SPEED GEARBOX	2-SPEED GEARBOX	2-SPEED GEARBOX
* LOW RANGE	(43-651) RPM	(27-413) RPM	(19-287) RPM
* HIGH RANGE	(134-2014) RPM	(80-1204) RPM	(56-838) RPM
SPINDLE DRIVE	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi
SPINDLE HORSEPOWER (STD)	40-HP CONTINUOUS	40-HP CONTINUOUS	50-HP CONTINUOUS
SPINDLE HORSEPOWER (OPT)	50-HP CONTINUOUS	50-HP CONTINUOUS	80-HP CONTINUOUS
SERVO DRIVE SYSTEM	FANUC ALPHA HVi	FANUC ALPHA HVi	FANUC ALPHA HVi
	AC DIGITAL	AC DIGITAL	AC DIGITAL
MAX AXIS FEED RATE	200-IPM	200-IPM	200-IPM
MAX AXIS TRAVERSE RATE	400-IPM	400-IPM	400-IPM
X-AXIS (X1 & X2) TRAVEL	17.00"	22.25"	26.25"
Z-AXIS (Z1 & Z2) TRAVEL	9.00"	9.00"	12.00"
TURRET STATIONS	12-STATIONS	12-STATIONS	12-STATIONS
INDEX SYSTEM	BI-DIRECTIONAL	BI-DIRECTIONAL	BI-DIRECTIONAL
	SKIP-INDEX	SKIP-INDEX	SKIP-INDEX
	SAFE-INDEX ZONE	SAFE-INDEX ZONE	SAFE-INDEX ZONE
	SERVO-INDEX	SERVO-INDEX	SERVO-INDEX
	HYD CLAMP	HYD CLAMP	HYD CLAMP
TOOL SHANK SIZE (STD)	1.25" x 6.00"	1.25" x 6.00"	1.25" x 6.00"
MAX BORING BAR DIAM	2.50"	2.50"	3.00"
LIVE TOOLING HP (OPT)	10-HP	10-HP	10-HP
LIVE TOOLING TORQUE	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")
TAILSTOCK QUILL DIAMETER	6.875"	6.875"	6.875"
TAILSTOCK QUILL STROKE	7.00"	7.00"	7.00"
TAILSTOCK TAPER	#3 MORSE TAPER	#3 MORSE TAPER	#3 MORSE TAPER
ELECTRICAL POWER	460-VAC 3-PH 60-HZ	460-VAC 3-PH 60-HZ	460-VAC 3-PH 60-HZ
	90-KVA	90-KVA	125-KVA
COOLANT CAPACITY	80-GAL	80-GAL	80-GAL
MACHINE HEIGHT	100.00"	100.00"	100.00"
FLOOR SPACE	157"-W x 197"-LG	162"-W x 209"-LG	167"-W x 217"-LG
SHIPPING DIMENSIONS	100"-W x 197"-LG x 100"-H	102"-W x 209"-LG x 100"-H	105"-W x 217"-LG x 100"-H
MACHINE WEIGHT	34,000-LBS	36,000-LBS	42,000-LBS

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