



GE580H Machine Specifications

CNC CONTROL		
	EQUIPPED CONTROL	Fanuc 31iM
AXIS TRAVELS		
	GUIDEWAY TYPE	Linear Guides (Cross Roller)
	TRAVEL X (mm)	31.5" (800)
	TRAVEL Y (mm)	31.5" (800)
	TRAVEL Z (mm)	32.7" (830)
	DIST. TABLE TOP -C'LINE SPINDLE (mm)	3.93" - 35.4" (100 - 900)
	DIST. TABLE C'LINE-FACE OF SPINDLE (mm)	5.9" - 37.4" (150 - 950)
FEEDRATES / THRUST		
	RAPID FEEDRATE X (m/min.)	1968 (50)
	RAPID FEEDRATE Y (m/min.)	1968 (50)
	RAPID FEEDRATE Z (m/min.)	1968 (50)
	MAXIMUM PROGRAMMABLE FEED RATE (m/min.)	1968 (50)
	CHILLED BALL SCREWS	YES
	FEED MOTOR X HP(kw)	7.4 (5.5)
	FEED MOTOR Y HP(kw)	6.7 (5.0)
	FEED MOTOR Z HP(kw)	7.4 (5.5)
POSITIONING ACCURACY / REPEATABILITY		
	inch	0.000080/+0.000040
	mm	0.002/+0.001
TABLE		
	TABLE/PALLET LENGTH (mm)	SEE APC
	LOAD HEIGHT FROM FLOOR w/std. table (mm)	45.7" (1160)
SPINDLE		
	SPINDLE DRIVE TYPE	Integral
	MOTOR RANGE	Dual Range
	LUBRICATION TYPE	Oil Air
	SPINDLE TAPER	CAT50
	BIG PLUS	Standard w/air blow ring
	MAXIMUM RPM	10000
	OPTIONAL SPINDLE RPM	NA
	SPINDLE BEARING INNER DIAMETER	4.4" (110) 4 BRG
	MOTOR RATING - HP: 10 Min/Con't	40.2/24.8
	MOTOR RATING - KW: 10 Min/Con't	30/18.5
	RAMP-UP TIME-SECONDS (TO RPM)	3.8
	TORQUE RATING - NM/FT LBS (@RPM)	420/309 (500)
	SPINDLE CHILLER	YES
AUTOMATIC TOOL CHANGER (ATC)		
	TOOL CHANGE METHOD	Arm w/Servo Drive
	TOTAL NO. TOOLS	40



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OPTIONAL ATC	80/150
MAX. TOOL DIAMETER (mm)	4.7" (120)
WITH ADJACENT POCKETS EMPTY	9.4" (240)
MAX. TOOL LENGTH (mm)	17.7" (450)
MAX. TOOL WEIGHT - LBS.(kg)	33 (15)
AT LOW SPEED - LBS. (kg)	55 (25)
TOOL CHANGE TIME	2.1
CHIP-CHIP TIME	4.8

AUTOMATIC PALLET CHANGER (APC)

STANDARD/OPTIONAL	STANDARD
SHUTTLE TYPE	DUAL ROTARY
DRIVE TYPE	Rack and Pinion Hydraulic
PALLET SIZE (mm)	19.7" (500)
MINIMUM INDEX ANGLE	1 Degree/Full 4th (OPT)
TABLE INDEX TIME 180 DEG - 1DEG/NC INDEX	2.1
PALLET WEIGHT CAPACITY PER SIDE - LBS (kg)	1763 (800)
PALLET CHANGE TIME - SECONDS	10 SEC
SHUTTLE CLEARANCE w/std. pallet (mm)	Ø31.5" x 39.3" (Ø800 x 1000)

COOLANT

SPINDLE COOLANT	STANDARD
COOLANT THROUGH SPINDLE	256 PSI - STANDARD
BED FLUSH COOLANT	STANDARD
CHIP AUGERS	NONE

TANK CAPACITY (Gal.)

CUTTING FLUID - GAL. (L)	750L
HYDRAULIC - GAL. (L)	20L
LUBRICATION - GAL. (L)	8L
SPINDLE CHILLER - GAL. (L)	32L
BALL SCREW CHILLER - GAL. (L)	^

MISCELLANEOUS

COMPRESSED AIR:PSI (kg/cm)	0.5 - 0.8Mpa 600L/min
ELETRICAL REQUIREMENT	AC200/220V±10%, 3PH, 60Hz
POWER REQUIREMENT	66 KVA
COMPLETE FLOOR LAYOUT L x W x H	232" x 130 x 124
COMPLETE FLOOR LAYOUT L x W x H	5892 x 3302 x 3149
WEIGHT -LBS(kg)	33,000 LBS / 14,968 KGS

PRICING AND SPECIFICATIONS BASED ON US SPECIFICATIONS - SUBJECT TO CHANGE