STANDARD ACCESSORIES

- * Tool Box
- * Call Light
- * Work Lamp
- * Chip Enclosure
- * Coolant System
- * Guideway Cover
- * Screw Conveyer
- * Cutting Air Blast
- * Auto Lube System
- * Movable Electronic Handwheels
- * Leveling Blocks And Bolts
- * ATC Armless Type 16 Tools
- ★ Mechanical, Electrical &
- **Operating Manual**
- * Spindle Cooling System (GMC-860 opt.)
- * Belt drive Spindle 8000 rpm

OPTIONAL ACCESSORIES

a. CE

- b. Tranformer
- c. Flood Coolant
- d. Belt drive 10000/(GMC-860, 1020)12000 rpm
- d-1.Direct drive Spindle BT40/HSK63A: 10000/12000/15000/18000 rpm BT50/HSK100A: 8000/10000/12000 rpm d-2.Built-in drive Spindle BT40/HSK63A: 18000/24000/30000 rpm
 - BT50/HSK100: 8000/10000/12000 rpm
- e. Coolant Thru Spindle
- f. 4th Axis Rotary Table g. Coolant Thru Tool Tip
- h. Chip Conveyor System
- i. TS27R Tool Setting Probe (Length Measurement)
- j. MP10/12 Inspection Probe Kits k. ARMLESS A.T.C.: 20/24 TOOLS
- I. (ARM Type)ATC.BT40 24 Tools/ 30 Tools/ 40 Tools
- BT50 24 Tools/ 30 Tools
- m. A.T.C. (CHAIN TYPE) Tool to Tool (1.8sec)
- o. ZF 2 Speed Gear Box for spindle
- p. Spindle Cooling System
- q. Tailstock & Chuck
- r. Laser tool measuring
- s. Screw Type Chip Conveyer

Remarks: If Chain type ATC installed, the max, tool diameter is 75mm when full pocket.

SPECIFICATION

[ttmem]

ITEM	UNIT	GMC-860	GMC-1020	GMC-1070	GMC-1100	GMC-1265	GMC-1465	GMC-1680	GMC-1880	GMC-2080
TABLE					1					
	MM(inch)	960 x 460	1120 x 510	1260 x 510	1200 x 500	1260x600	1500 x 600	1700 x 800	1900 x 800	2100 x 850
Table Size		(37.7"x18.1")	(44"x20")	(45"x20")	(47.2"x19.6")	(49.6"x23.6")	(59"x23.6")	(66.9"x31.5")	(74.8"x31.5")	(82.6"x33.4")
Working Area	MM(inch)	860 x 480	1020 x 500	1070 x 530	1020 x 610	1200x650	1400 x 650	1600 x 800	1800 x 800	2000 x 800
		(33.8"x18.8")	(40"x19.6")	(42"x20.9")	(43.3"x24")	(47.2"x25.6")	(55.1"x25.6")	(63"x31.5")	(70.8"x31.5")	(78.7"x31.5")
Tee slots (CD x W x NO)	MM	CD 100x18x4	CD 100x18x4	CD 100x18x4	CD 100x18x5	CD 100x18x5	CD 100x18x5	CD 100x18x8	CD 100x18x8	CD 100x18x8
Table load (maximun)	KG(lbs)	450(990)	600(1320)	900(1980)	1000(2200)	1200(2640)	1500(3300)	2000(4400)	2000(4400)	3000(6600)
TRAVEL										
X-axis	MM(inch)	860(33.8")	1020(40")	1070(42")	1100(43.3")	1200(47.2")	1400(55.1")	1600(63")	1800(70.8")	2000(78.7)
Y-axis	MM(inch)	480(18.8")	530(21")	530(21")	610(24")	650(25.6")	650(25.6")	800(31.5")	800(31.5")	800(31.5")
Z-axis	MM(inch)	500(19.6")	610(24")	610(24")	610(24")	650(25.6")	700(27.6")	710(28")	710(28")	730(28.7")
Spindle nose to table surface	MM(inch)	100-600	100-710	100-700	100-710	100-710	100-710	100-830	100-830	100-830
		(3.9"-23.6")	(3.9"-27.9")	(3.9"-27.6")	(3.9"-27.9")	(3.9"-27.9")	(3.9"-27.9")	(3.9"-32.6")	(3.9"-32.6")	(3.9"-32.6")
Spindle center to column surface	MM(inch)	520(20.4")	550(21.6")	550(21.6")	660(26")	740(29.1")	760(29.9")	875(34.4")	875(34.4")	875(34.4")
X.Y.Z. Axis Ball screws dia	MM	32xpitch12	40xpitch12	40xpitch12	40xpitch12	40xpitch12	40xpitch12	50xpitch12	50xpitch12	50xpitch12
SPINDLE										
Spindle tapper		BT 40, ISO40, CAT40 BT 40, ISO40, CAT40 (Option: BT NO.50, CAT50)								
Spindle speed - standard access	RPM	Standard: 8000 Option: 10000/12000								
Belt drive		10,000(Standard), 12,000(Option) BT40:10,000(Standard), BT50: 8000(Option)								
Direct drive Spindle	RPM	BT40/HSK63A: 10000/12000/15000/18000 rpm, BT50/HSK100A: 8000/10000/12000 rpm BT40/HSK63A: 18000/24000/30000 rpm, BT50/HSK100: 8000/10000/12000 rpm								
Built-in drive Spindle										
FEEDRATE						-		-		
Cutting Feedrate (X, Y, Z axis)	MM/MIN	1-10000(Depending Controller) 1-10000(Depending Controller)						ntroller)		
3Axes Slideways		HARDENED GROUND HARDENED GROUN						IND		
Rapid Traverse Rates (X/Y/Z axis)	MM/MIN							15000/15000/15000		
ATC										
Capacity-standard access.	PCS	16(Armless) / Option 24 (Armless) 16(Armless)								
Capacity-optional access.(ARM)	PCS	24/30(Disc Type), 32/40(Chain Type)								
Tool Selection		Bi-directional & min.path								
Maximum tool diameter x length	MM(inch)	Armless Type: 89 x 250(3.5"x9.8"), Arm Type: 80 x 250(3.14"x9.8")								
Maximum tool weight	KG(lbs)	6(13.2)								
Air Power required		6KG/cm ²								
Tool Shank		BT40, ISO40 or CAT40 (Option) ISO50 or CAT50								
MOTOR										
Spindle drive Motor	KW(HP)	Standard: 7.5KW(10HP), OPTION: 11KW(15HP), OPTION:ZF gear box Standard: 15KW(20HP), OPTION: ZF gear box 11KW(15HP)								
Coolant Pump	HP					1/2				
Coolant Fullip				STD: 20KVA STD: 30KVA						
Power Supply				310.	2010/04				OID. JORVA	

GEON CHENG TECHNOLOGY CO., LTD.

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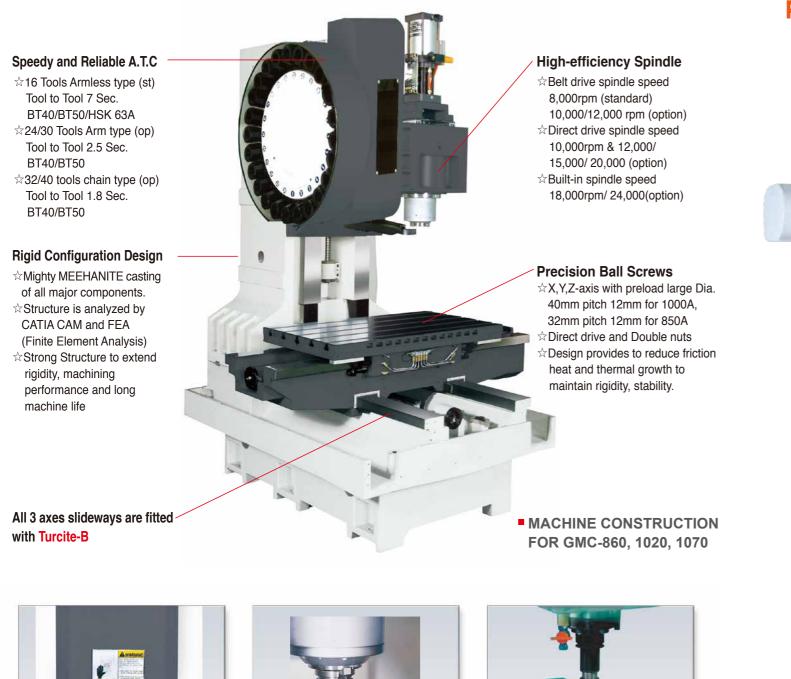
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Z: 650mm (25.6")

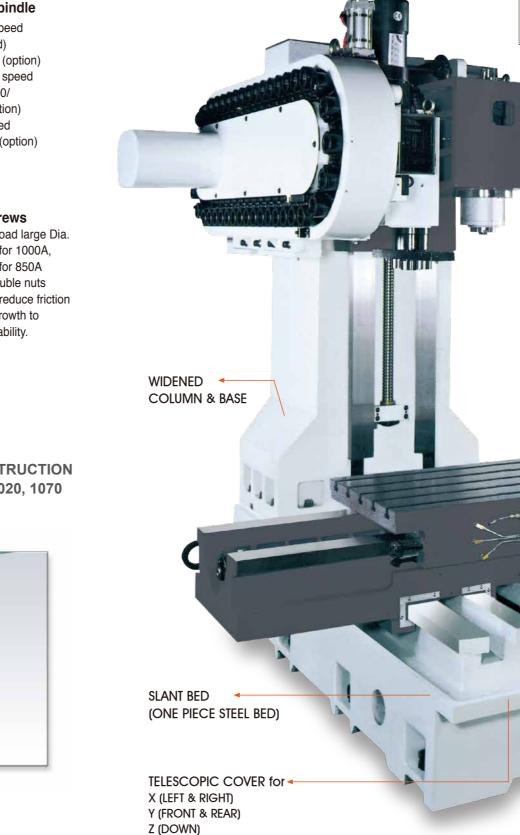




I TS27R Tool Setting Probe.

Laser Tool Measurement

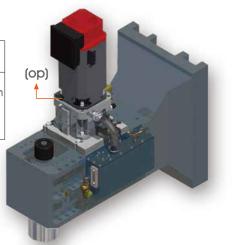
COMPUTER AIDED STRUCTURE DESIGN FOR PROCURING THE BEST RIGIDITY



Coolant Thru Spindle

(2HP)(Pressure 20kg/cm²)

Spindle drive motor (2 12i+ZF gear box)-1:4 280 NM +In low spindle speed 1500rpn 70 NM +In high spindle speed 8,000~10,000rpm



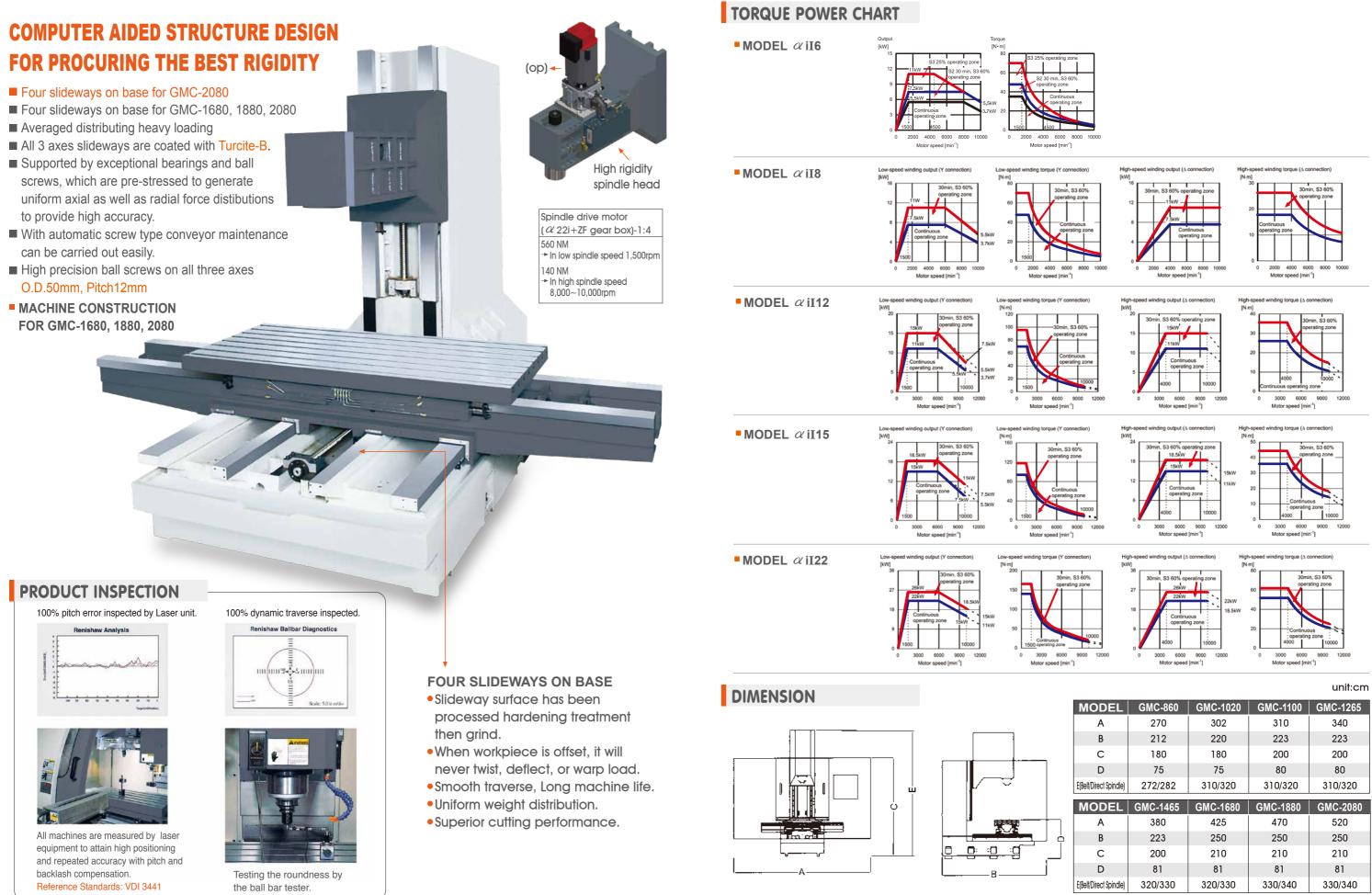
- Four slideways on base
- Averaged distributing heavy loading
- All 3 axes slideways are coated with Turcite-B.
- Supported by exceptional bearings and ball screws, which are pre-stressed to generate uniform axial as well as radial force distibutions to provide high accuracy.
- With automatic screw type conveyor maintenance can be carried out easily.
- High precision ball screws on all three axes O.D.40mm, Pitch12mm
- MACHINE CONSTRUCTION FOR GMC-1100, 1265, 1465

FOUR SLIDE WAYS ON BASE

▶ ► 4

Automatic chips conveying system Screw type automatic chip conveying system saves your cleaning time.









				drin.on	
MODEL	GMC-860	GMC-1020	GMC-1100	GMC-1265	
А	270	302	310	340	
В	212	220	223	223	
С	180	180	200	200	
D	75	75	80	80	
E(Belt/Direct Spindle)	272/282	310/320	310/320	310/320	
MODEL	GMC-1465	GMC-1680	GMC-1880	GMC-2080	
А	380	425	470	520	
В	223	250	250	250	
С	200	210	210	210	
D	81	81	81	81	
E(Belt/Direct Spindle)	320/330	320/330	330/340	330/340	