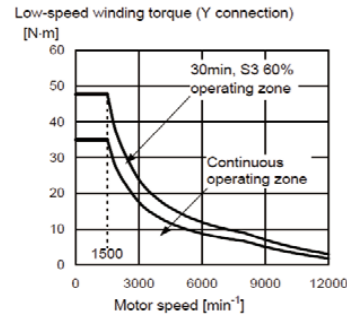
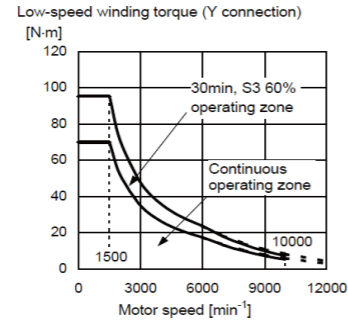


Cutting Capability

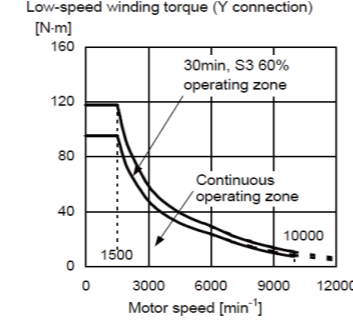
FANUCα6-12000rpm



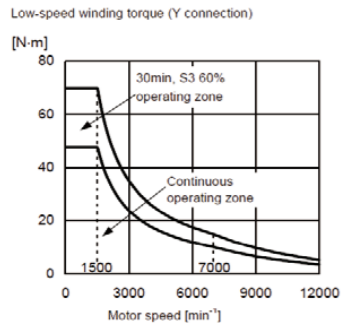
FANUCα12-10000rpm



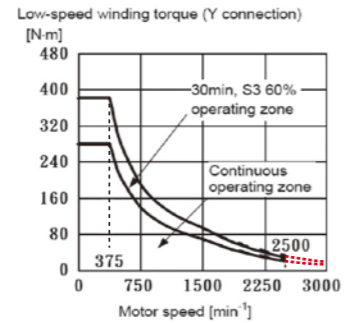
FANUCα15-10000rpm



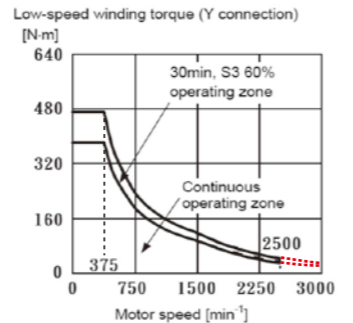
FANUCα8-12000rpm



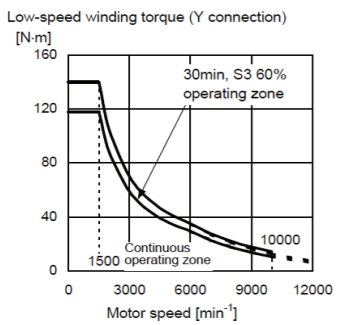
FANUCα12-10000rpm with Gear-Box(ratio 1:4)



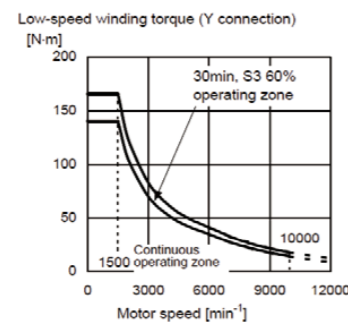
FANUCα15-10000rpm with Gear-Box(ratio 1:4)



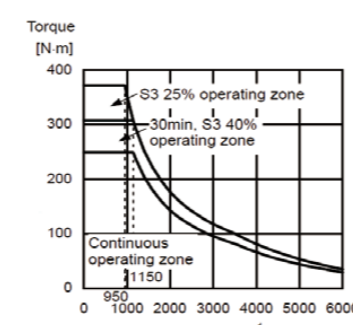
FANUCα18-10000rpm



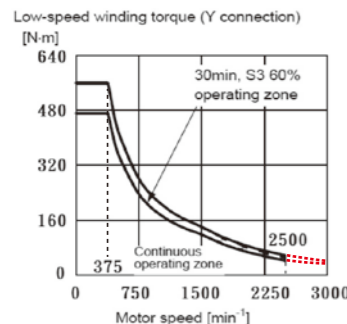
FANUCα22-10000rpm



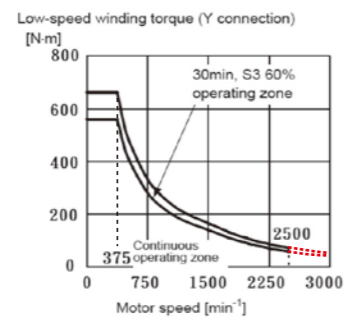
FANUCα30-6000rpm



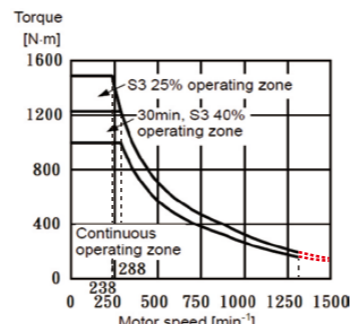
FANUCα18-10000rpm with Gear-Box(ratio 1:4)



FANUCα22-10000rpm with Gear-Box(ratio 1:4)



FANUCα30-6000rpm with Gear-Box(ratio 1:4)



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Feature 4H+1R

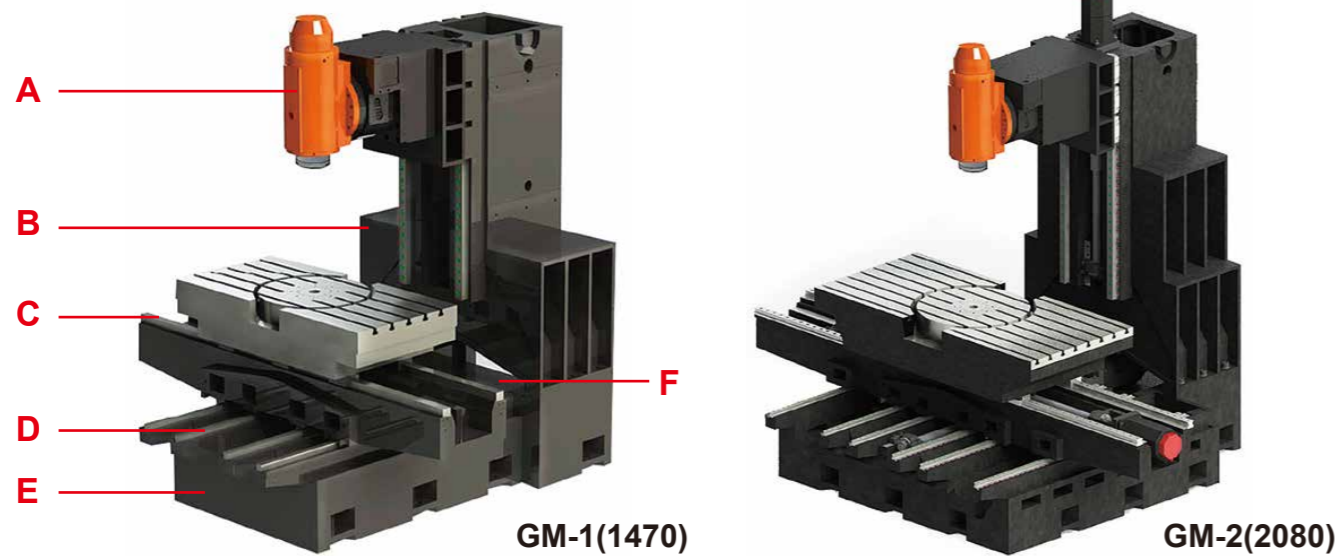
- High Precision
- High Rigidity
- High Performance
- High Speed
- Reliable

GLG series HIGH PERFORMANCE AND PRECISION CNC MACHINING CENTER

Awarded as A Proof of Excellence In Technical

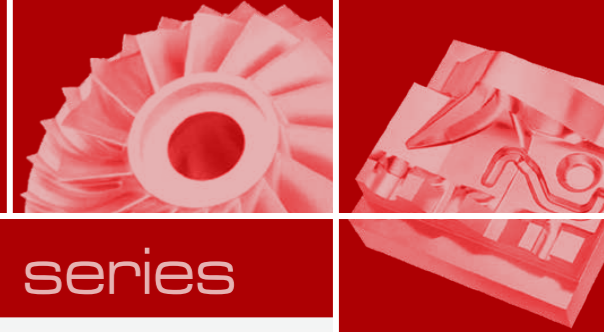


Mold making | Car industry | 3C industry | Mechanical equipment | Aerospace industry



- A:** Head swing ± 120 degree
- B:** Special inverse-T design bears axial & radial force to increase machine rigidity & head stock stability and to last accuracy under high speed traveling.
- C:** High resolution linear scale ensures optimal positioning and repeatability accuracy.
- D:** Roller type linear guide ways provide rigidity for heavy cutting & high speed traverse.
GM-1(1470) base: 4 roller linear guide ways
GM-2(2080) base: 6 roller linear guide ways
- E:** One piece casting base provides solid support to ensure ultimate dynamic accuracy
- F:** Hand scraped contact surface of column & bed ensures precision assembly, strong structure & loading balance.

MODEL	GM-1 (1470)	GM-2 (2080)
TABLE		
Table size (L*W) (mm/inch)	1500*650 / 59.05*25.59	2000*800 / 78.74*31.49
X axis travel range (mm/inch)	1400 / 55.12	1900 / 74.80
Y axis travel range (mm/inch)	700 / 27.56	800 / 31.50
Z axis travel range (mm/inch)	650 / 25.60	700 / 27.56
Max table load (kg/lbs)	700 / 1560	1200 / 2670
Spindle nose to table surface(Vertical) (mm/inch)	100~750 / 3.94~29.53	100~800 / 3.94~31.50
Spindle nose to table surface(Horizontal) (mm/inch)	100~900 / 3.94~35.43	100~980 / 3.94~38.58
T slot (W*D*N mm)	18*100*5	18*100*7
ROTARY TABLE		
C axis D.D. Motor (FANUC / ETEL)	FANUC DiS250/250 (A06B-0495-B200) 200V Liquid cooling / ETEL TMB0290-100	FANUC DiS500/250 (A06B-0495-B400) 200V Liquid cooling / ETEL TMB3060-070
Table diameter (mm/inch)	$\varnothing 500 / \varnothing 19.68$	$\varnothing 630 / \varnothing 24.8$
Center bore diameter (mm/inch)	$\varnothing 50 / \varnothing 1.96$	$\varnothing 60 / \varnothing 2.36$
Rotation speed (rpm)	22.2	40~50
Minimum index	0.001	0.001
Max table load (kg/lbs)	550 / 1225	900 / 2000
B axis rated torque (FANUC / SIEMENS / HEIDENHAIN)	$\alpha 12(12Nm)/1FK7063(11Nm)/QSY155B(13Nm)$	$\alpha 12(12Nm)/1FK7083(16Nm)/QSY155C(17.7Nm)$
C axis rated torque (Nm) (FANUC / ETEL)	225 / 195	520 / 554
Built-in spindle		
Spindle taper	BT40 / BBT40 / HSK-A63	BT40 / BBT40 / HSK-A63
Spindle center to column (mm/inch)	750 / 29.52	850 / 33.46
Spindle speed (rpm)	15000	15000
Motor type (FANUC / ATE)	FANUC Bi112S / ATE-170	FANUC Bi112L / ATE-180
Main motor (KW) (FANUC / ATE)	5.5-7.5 / 21-25	15-18.5 / 27-35
Motor torque (Nm) (FANUC / ATE)	44-60 / 69-83	95-167 / 93-113
SWING HEAD		
Drive type	WORM GEAR	WORM GEAR
Reduction ratio	1 : 90	1 : 90
Tilting range (degree)	± 120	± 120
Max speed (rpm)	16.7	16.7
Minimum unit	0.001	0.001
Working torque (Nm)	350	350
AXIS SERVO MOTORS		
Rapid feed rate (X/Y/Z) m/min (inch/min)	36/36/24 (1417/1417/945)	24/24/24 (945/945/945)
Feed rate (X/Y/Z) m/min (inch/min)	10 (394)	10 (394)
Rated torque for X,Y,Z axes (FANUC / SIEMENS / HEIDENHAIN)	$\alpha 22(22Nm)/1FK7083(16Nm)/QSY155C(17.7Nm)$	$\alpha 30(30Nm)/1FK7101(27Nm)/QSY190C(28Nm)$
ACCURACY		
Positioning for XYZ axes (mm/inch)	0.005 / 0.0002	0.005 / 0.0002
BC rotary (sec)-Undirectional	4"	4"
Repeatability for XYZ axes (mm/inch)	0.005 / 0.0002	0.005 / 0.0002
BC rotary (sec)-Bidirectional	8"	8"
OTHER		
Air requirement (kg/cm)	6	6
Voltage	380	380
Power requirement (KVA)	40	50
Coolant tank capacity (L)	280	480
Machine weight (kg/lbs)	7200 / 16000	11000 / 24450
Floor space (L*W) m/inch	4*2.5 / 157.5*98.5	5.2*3 / 205*118.1
Packing size (L*W*H) m/inch	3*2.5*3 / 118.1*98.5*118.1	6.5*3*3.5 / 256*118.1*137.8



5 Axis Simultaneous Machining Center

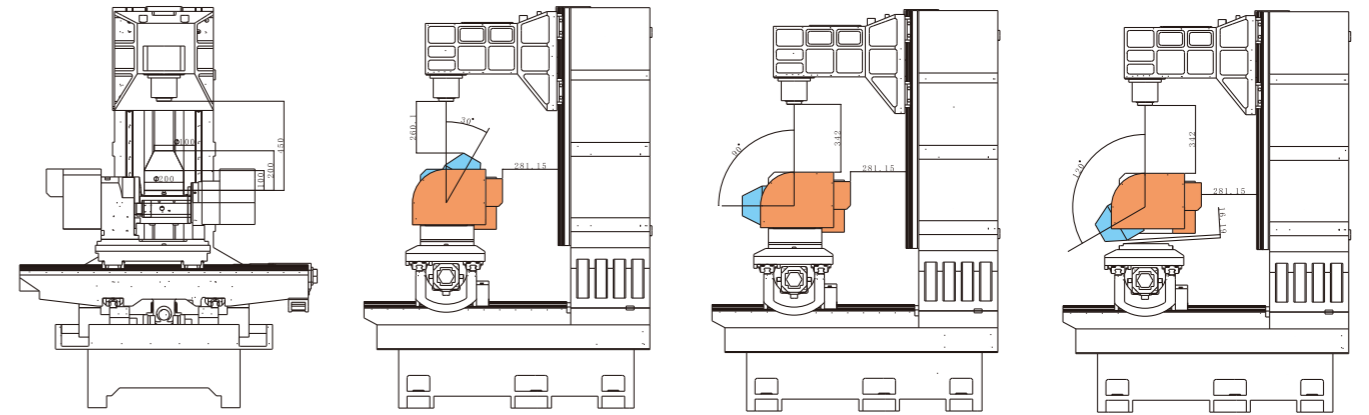
GLG series



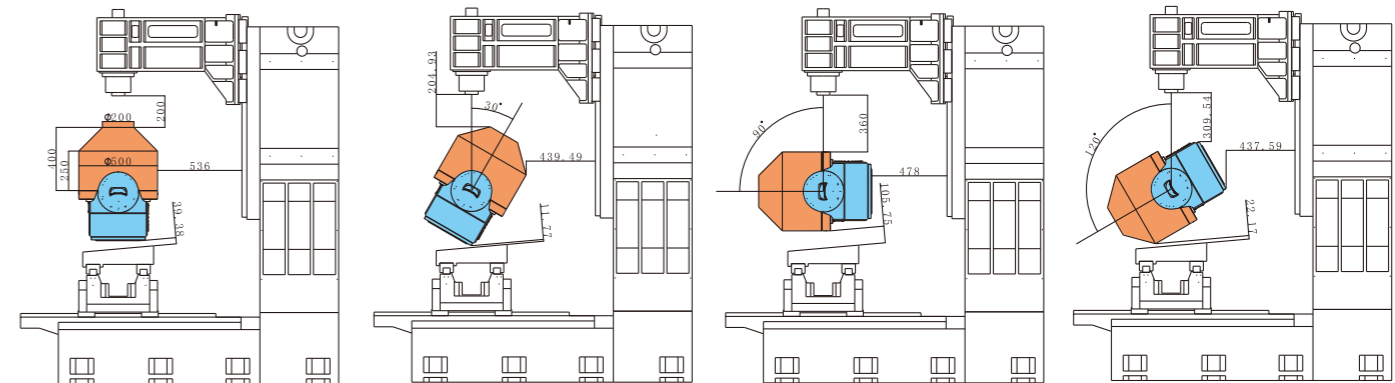
SPECIFICATION

Description	GLG-50-5XT	GLG-70-5XT	GLG-80 5XT	
TRAVEL				
X axis (mm/inch)	600mm(23.6")	800mm(31.5")	900mm(35.4")	
Y axis (mm/inch)	500mm(19.7")	700mm(27.6")	800mm(31.5")	
Z axis (mm/inch)	450mm(17.7")	600mm(23.6")	600mm(23.6")	
TILTING TABLE Fix on X axis block		LCM from Italy	LCM from Italy	
Size: DIA (mm)	Ø200	Ø500	Ø600 / Square 500	
Width of T-slot	12H7	14H7	14H7	
Rotary-axis(degree)	360 degrees	360 degrees	360 degrees	
Tilting-axis(degree)	+30~-120 degrees	+30~-120 degrees	+30~-120 degrees	
Max table load (Kgs).....Horizontal position	120Kgs	500Kgs	500Kgs	
Max table load (Kgs).....Vertical position	60Kgs	500Kgs	500Kgs	
AXES DRIVE MOTOR (FANUC/SIEMENS/HEIDENHAIN)				
X axis Servo Motor	α8/1FK7063/QSY155B	α22/1FK7083/QSY155C	α30/1FK7101/QSY190C	
Y axis Servo Motor	α8/1FK7063/QSY155B	α22/1FK7083/QSY155C	α30/1FK7101/QSY190C	
Z axis Servo Motor	α22/1FK7083/QSY155C	α22/1FK7083/QSY155C	α30/1FK7101/QSY190C	
Rotary Axis Servo Motor	α4/1FK7060/QSY116C	α8/1FK7063/QSY155B	α8/1FK7063/QSY155B	
Tilting Axis Servo Motor	α8/1FK7063/QSY116J	α22/1FK7083/QSY155B	α22/1FK7083/QSY155B	
SPINDLE				
Spindle motor	SIEMENS	1PH8105-7.5kw/45Nm	1PH8107-10.5kw/50Nm	1PH8133-15kw/96Nm
	HEIDENHAIN	QAN200L 7.5kw/47.8NM	QAN200U 10kw/63.7NM	QAN260M 15kw/96NM
	FANUC	αi18 (7.5KW/47.7Nm)	αi12 (11KW/70.0Nm)	αi15 (15KW/95.4Nm)
Taper size – standard	BT-40 (o.p. HSK-A63)	BT-40 (o.p. HSK-A63)	BT-40 (o.p. HSK-A63)	
Spindle Speed - Direct Drive	12000/15000/18000 rpm	12000/15000/18000 rpm	12000/15000/18000 rpm	
Spindle Speed - Built-in (Opt.)	HSKA63 / 20000/24000rpm	HSKA63 / 20000/24000rpm	HSKA63 / 20000/24000rpm	
Spindle Speed - Built-in (Opt.)	BT-30 / 30000rpm	BT-30 / 30000rpm	BT-30 / 30000rpm	
Spindle nose to table surface (mm/in)	100~450mm(3.9"~17.7")	100~600mm(3.9"~23.6")	100~600mm (3.9"~23.6")	
Spindle center to column surface (mm/in)	560mm(22")	785mm(30.9")	935mm(36.8")	
FEEDRATE				
Cutting feedrate(mm/min) for X,Y,Z	1~12,000 (Depending on controller)			
Min. input increment	0.001mm			
Rapid traverse rates (mm/min) X, Y, Z	30/30/20 M/min , Option 48/48/30 M/min			
C3 class Ballscrews (X/Y/Z) (Dia. x pitch)	40mmx12/40mmx12/40mmx10	40mmx12/40mmx12/40mmx12	50x12mm/50x12mm50x12mm	
Linear roller guide X/Y/Z axes (mm)	35x2set/35x2set/35x2set	45x2set/30x4set/45x2set	45x2set/30x6set/45x2set	
Machine Dimensions				
Size: Width x Length x Hight (cm/in)	260x250x200cm (102.4"x98.4"x78.7")	260x250x200cm (102.4"x98.4"x78.7")	320x280x350cm (126"x110"x137.8")	

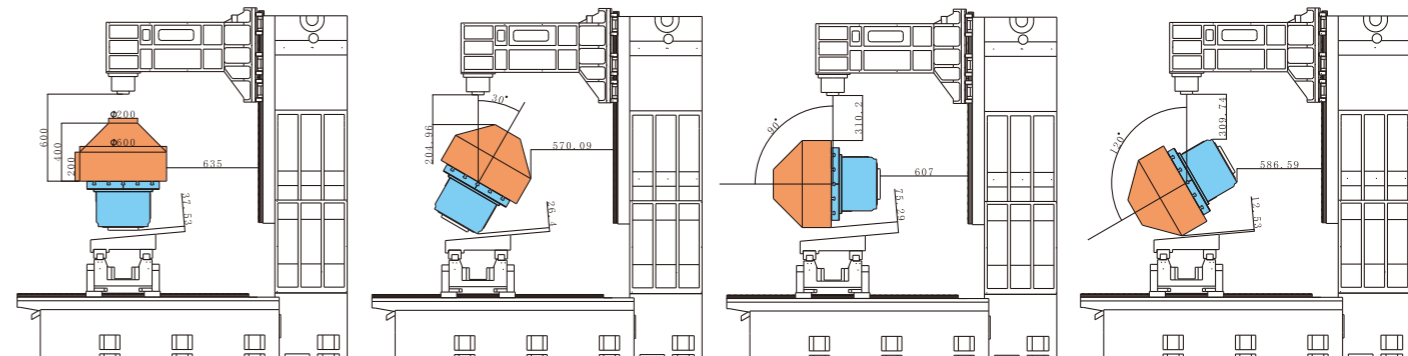
GLG-50-5XT



GLG-70-5XT



GLG-80 5XT



High-Performance design vertical machining center linear series

GLG series



GLG-610 760

TRAVEL

X:610 m/m(24")
Y:460 m/m(18.1")
Z:480 m/m(18.8")

TRAVEL

X:760 m/m(29.9")
Y:460 m/m(18.1")
Z:480 m/m(18.8")

860

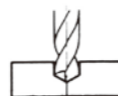
TRAVEL

X:860 m/m(33.8")
Y:480 m/m(18.8")
Z:500 m/m(19.6")



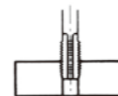
MILLING

Tool diameter 80 mm
6 tooth
Material S45
Spindle speed 1550 rpm
Feed rate 500 mm/min
Metal removal rate 150 cm³/min
Cutting depth 4 mm
Cutting wide 75 mm



DRILLING

Tool diameter 38 mm
Material S45
Spindle speed 1500 rpm
Feed rate 150 mm/min
Metal removal rate 170 cm³/min



TAPPING

Tool diameter M30x3.5
Material S45
Spindle speed 300 rpm

FANUC CONTROLLER

Convenient control Panel

- Swing control panel 0-90° rotation.
- Easy to edit program.
- Portable MPG for convenient operation.

Speedy and Reliable A.T.C

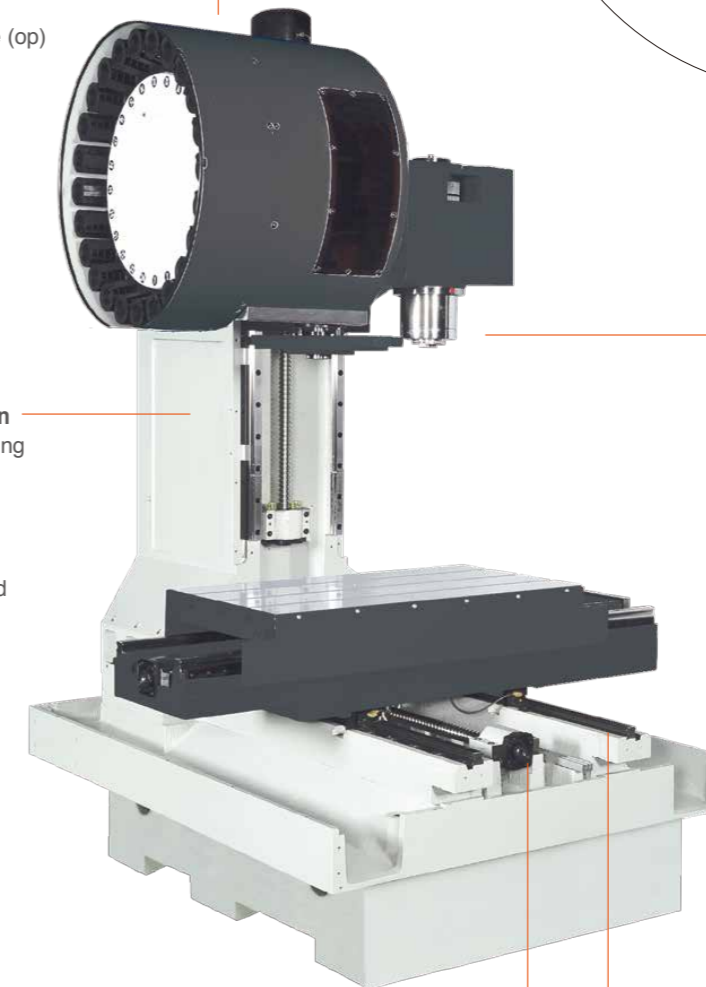
- 16 Tools Armless Type (st)
Tool to Tool 7 Sec.
BT40 / HSK 63A
- 24 / 30 Tools Arm Type (op)
Tool to Tool 2.5 Sec.
BT40
- 32 / 40 Tools Chain Type (op)
Tool to Tool 1.8 Sec.

Rigid Configuration Design

- Mighty MEEHANITE casting of all major components.
- Structure is analyzed by CATIA CAM and FEA (Finite Element Analysis)
- Strong Structure to extend rigidity, machining performance and long machine life

Precision Ball Screws

- X, Y, Z-axis with preload large Dia.
32mm pitch 12mm (st) 16mm(op)
- Direct drive
- Design provides to reduce friction heat and thermal growth to maintain rigidity, stability.

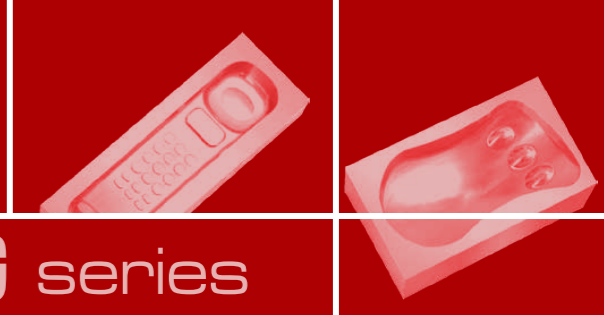


High-efficiency Spindle

- Belt drive spindle speed
8,000rpm (standard)
10,000rpm (option)
- Direct drive spindle speed
10,000rpm & 12,000 / 15,000 rpm
- Built-in spindle speed
18,000 / 24,000 / 30,000rpm

Heavy-duty Linear guideways

- X, Y, Z-axes Ball Linear Guideway
- Guide rail with surface ground
- Ball track zones hardened
- Four guide blocks on each axis



High-Performance design vertical machining center linear series



MITSUBISHI CONTROLLER
Convenient control Panel

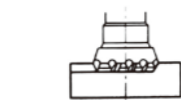
- Swing control panel 0-90° rotation.
- Easy to edit program.
- Portable MPG for convenient operation.

GLG-1020

TRAVEL
X:1020m/m(40.1")
Y:530m/m(20.8")
Z:610 m/m(24")

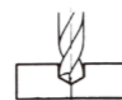
GLG-1070

TRAVEL
X:1070 m/m (42.1")
Y:530 m/m(20.8")
Z:610 m/m(24")



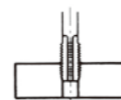
MILLING

Tool diameter 80 mm
6 tooth
Material S45
Spindle speed 1550 rpm
Feed rate 500 mm/min
Metal removal rate 150 cm³/min
Cutting depth 4 mm
Cutting wide 75 mm



DRILLING

Tool diameter 38 mm
Material S45
Spindle speed 1500 rpm
Feed rate 150 mm/min
Metal removal rate 170 cm³/min



TAPPING

Tool diameter M30x3.5
Material S45
Spindle speed 300 rpm

Speedy and Reliable A.T.C

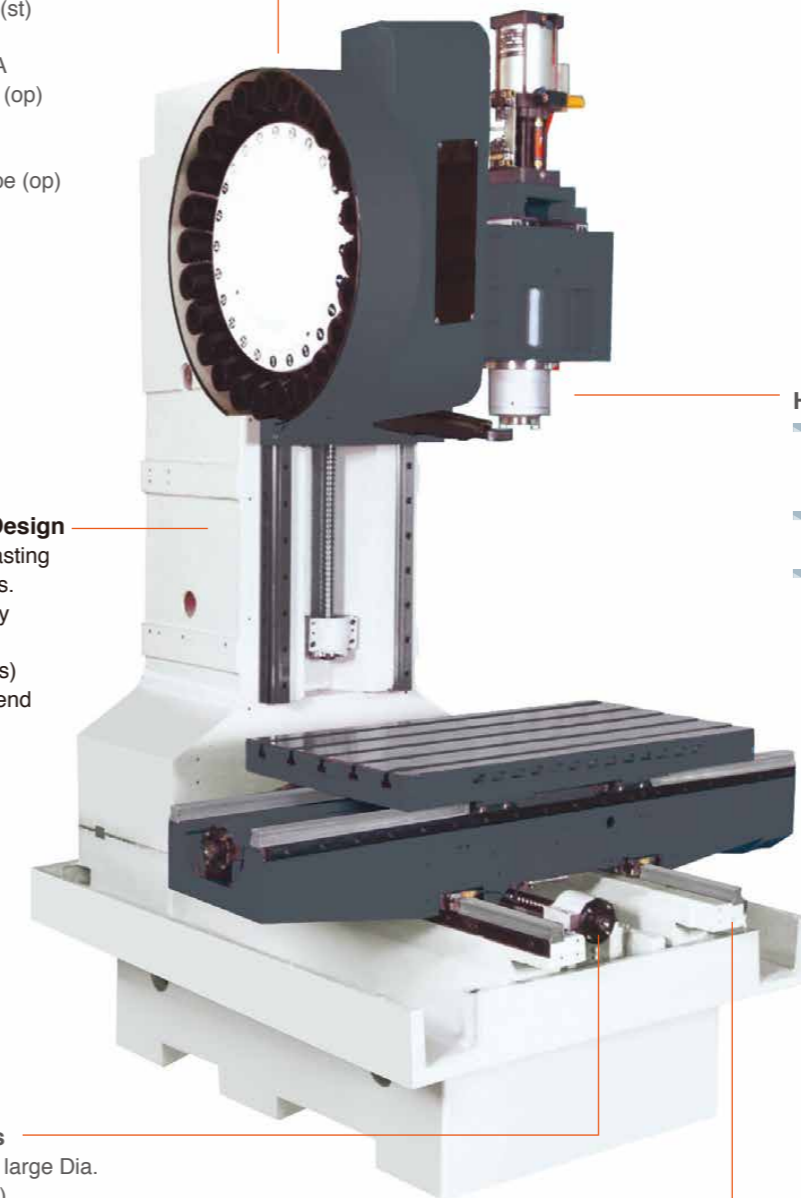
- 16 Tools Armless Type (st)
Tool to Tool 7 Sec.
BT40 / BT50 / HSK 63A
- 24 / 30 Tools Arm Type (op)
Tool to Tool 2.5 Sec.
BT40 / BT50
- 32 / 40 Tools Chain Type (op)
Tool to Tool 1.8 Sec.
BT40/BT50

Rigid Configuration Design

- Mighty MEEHANITE casting of all major components.
- Structure is analyzed by CATIA CAM and FEA (Finite Element Analysis)
- Strong Structure to extend rigidity, machining performance and long machine life

Precision Ball Screws

- X,Y,Z-axis with preload large Dia.
 - 32mm pitch 12mm (st)
GLG 850A
 - 40mm pitch 12mm (st) 16m/m (op)
GLG 1000A
- Direct drive
- Design provides to reduce friction heat and thermal growth to maintain rigidity, stability.



High-efficiency Spindle

- Belt drive spindle speed
8,000rpm (standard)
10,000rpm (option)
- Direct drive spindle speed
10,000rpm & 12,000 / 15,000rpm
- Built-in spindle speed
18,000rpm / 24,000rpm(op)

Heavy-duty Linear guideways

- X,Y, Z-axes Ball Linear Guideway
- Guide rail with surface ground
- Ball track zones hardened
- Four guide blocks on each axis

High-Performace design vertical machining center linear series

GLG series



GLG-

1100

TRAVEL

X:1100 m/m (43.3")
Y:650 m/m(25.5")
Z:650 m/m(25.5")

Convenient control Panel

- Swing control panel 0-90° rotation.
- Easy to edit program.
- Portable MPG for convenient operation.



GLG-

1270

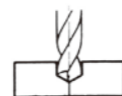
TRAVEL

X:1200 m/m (47.2")
Y:700 m/m(27.5")
Z:650 m/m(25.5")



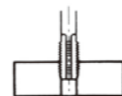
MILLING

Tool diameter 100 mm
8 tooth
Material S45
Spindle speed 850 rpm
Feed rate 790 mm/min
Metal removal rate 405 cm³/min
Cutting depth 5.7 mm
Cutting wide 90 mm



DRILLING

Tool diameter 38 mm
Material S45
Spindle speed 1400 rpm
Feed rate 200 mm/min
Metal removal rate 227 cm³/min



TAPPING

Tool diameter M30x3.5
Material S45
Spindle speed 300 rpm

GLG-

1570

TRAVEL

X:1500 m/m(59.1")
Y:700 m/m(27.5")
Z:700 m/m(27.5")

Speedy and Reliable A.T.C

- 16 Tools Armless Type (st)
Tool to Tool 7 Sec.
BT40 / BT50 / HSK 63A
- 24 / 30 Tools Arm Type (op)
Tool to Tool 2.5 Sec.
BT40 / BT50
- 32 / 40 Tools Chain Type (op)
Tool to Tool 1.8 Sec.
BT40/BT50

High-efficiency Spindle

- Belt drive spindle speed
8,000rpm (standard)
10,000rpm (option)
- Direct drive spindle speed (option)
10,000rpm & 12,000 /
15,000rpm
- Built-in spindle speed (option)
18,000rpm/
24,000rpm/
30,000rpm

Rigid Configuration Design

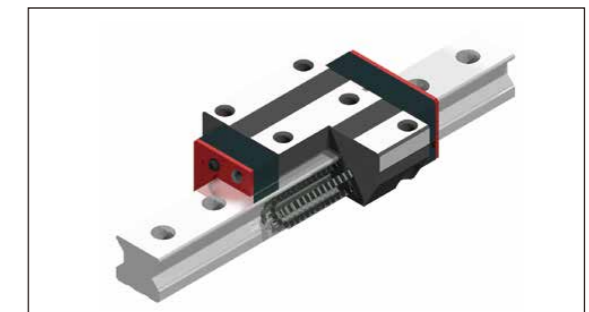
- Mighty MEEHANITE casting of all major components.
- Structure is analyzed by CATIA CAM and FEA (Finite Element Analysis)
- Strong Structure to extend rigidity, machining performance and long machine life

Heavy-duty Four Linear guideways

- Averaged distributing heavy loading
- X,Y, Z-axes Roll Linear Guideway
- Guide rail with surface ground
- Ball track zones hardened
- X axis : 6 guide blocks
- Y axis : 8 guide blocks
- Z axis : 6 guide blocks

Precision Ball Screws

- X,Y,Z-axis with preload large Dia.
40mm pitch 12mm (st) 16m/m (op)
- Direct drive and Double nuts
- Design provides to reduce friction heat and thermal growth to maintain rigidity, stability.





GLG-1680

TRAVEL

X:1600 mm (62.9")
Y:800 mm(31.4")
Z:730 mm(28.7")

GLG-1890

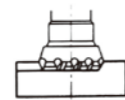
TRAVEL

X:1800 mm (70.8")
Y:900 mm(35.4")
Z:730 mm(28.7")

GLG-2090

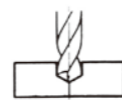
TRAVEL

X:2000 mm(78.7")
Y:900 mm(35.4")
Z:730 mm(28.7")



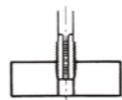
MILLING

Tool diameter 125 mm
8 tooth
Material S45
Spindle speed 850 rpm
Feed rate 800 mm/min
Metal removal rate 450 cm³/min
Cutting depth 5.7 mm
Cutting wide 100 mm



DRILLING

Tool diameter 38 mm
Material S45
Spindle speed 1400 rpm
Feed rate 200 mm/min
Metal removal rate 227 cm³/min



TAPPING

Tool diameter M36x4
Material S45
Spindle speed 300 rpm

PRODUCT INSPECTION

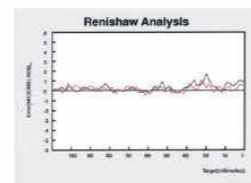


All machines are measured by laser equipment to attain high positioning and repeated accuracy with pitch and backlash compensation.
Reference Standards: VDI 3441

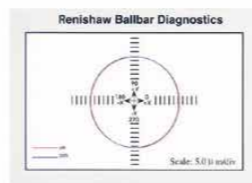


Testing the roundness by the ball bar tester.

100% pitch error inspected by Laser unit.

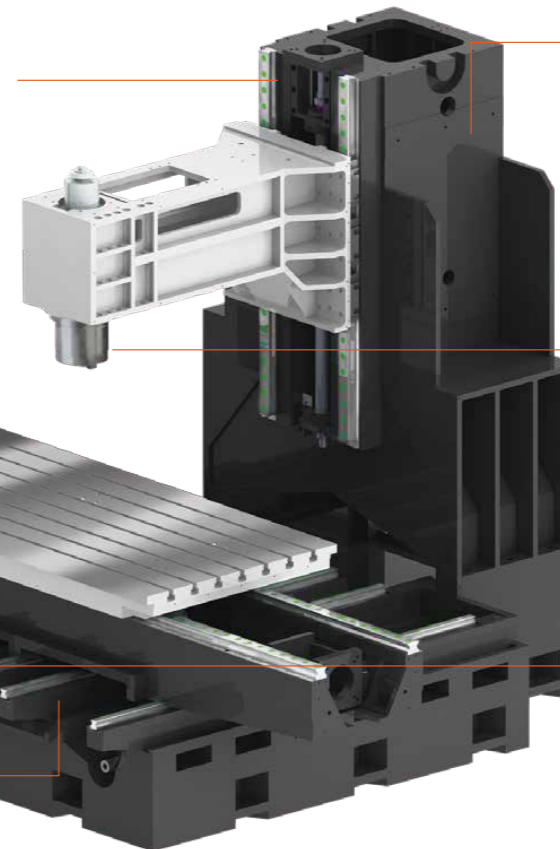


100% dynamic traverse inspected.



Speedy and Reliable A.T.C

- BT50 / HSK-A100
- 24 Tools Arm Type (op)
Tool to Tool 2.5 Sec.
BT50
- 32 / 40 Tools Chain Type (op)
Tool to Tool 2.5 Sec.
BT50



Rigid Configuration Design

- Mighty MEEHANITE casting of all major components.
- Structure is analyzed by CATIA CAM and FEA (Finite Element Analysis)
- Strong Structure to extend rigidity, machining performance and long machine life

High-efficiency Spindle

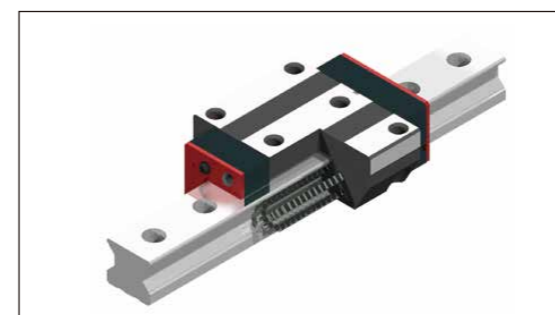
- Belt drive spindle speed 8,000rpm (standard) 10,000rpm (option)
- Direct drive spindle speed (option) 10,000rpm & 12,000rpm
- Built-in spindle speed (option) 18,000rpm/ 24,000rpm/ 30,000rpm

Precision Ball Screws

- X,Y,Z-axis with preload large Dia. 50mm pitch 12mm (st) 16m/m (op)
- Direct drive and Double nuts
- Design provides to reduce friction heat and thermal growth to maintain rigidity, stability.

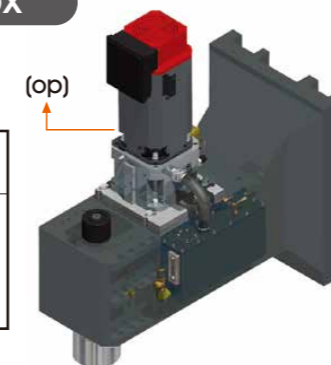
Heavy-duty Six Linear guideways

- Averaged distributing heavy loading
- X, Y, Z-axes Roll Linear Guideway
- Guide rail with surface ground
- Ball track zones hardened
- X axis : 6 guide blocks
- Y axis : 12 guide blocks
- Z axis : 6 guide blocks

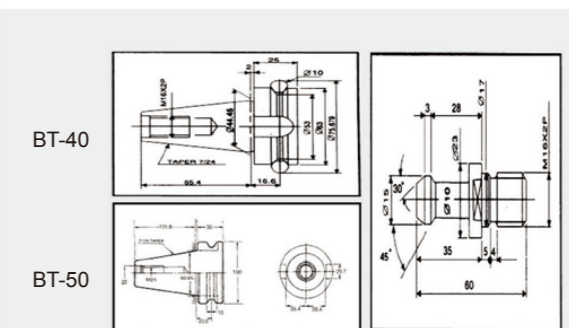


2 SPEED GEAR BOX

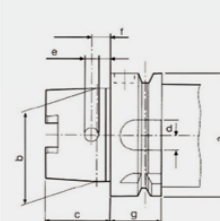
Spindle drive motor (α 22i+2 speed gear box)-1:4
560 NM
→In low spindle speed 1500rpm
140 NM
→In high spindle speed 8,000~10,000rpm



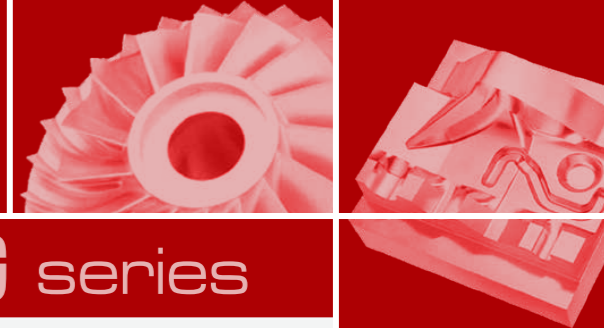
TOOL HOLDER & PULL STUD



HSK



size	model	63A	100A
a		63	100
b		48	75
c		32	50
d		12.54	20.02
e		7.5	12
f		9	15
g		26	29

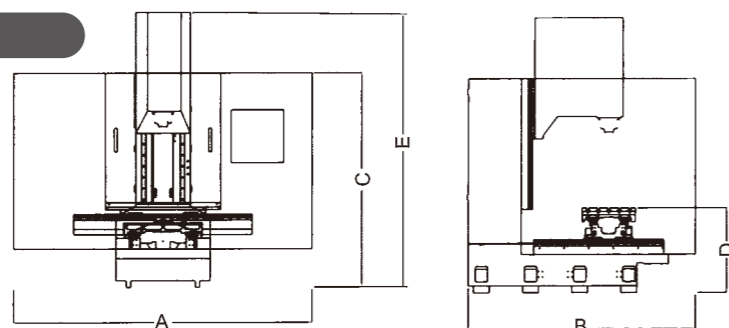


SPECIFICATION

ITEM	UNIT	GLG-610	GLG-860	GLG-1020	GLG-1070	GLG-1100	GLG-1270	GLG-1570	GLG-1680	GLG-1890	GLG-2090
TABLE											
Table Size	MM(inch)	700x 460 (27.5" x 18.1")	960 x 460 (37.7"x18.1")	1100 x 510 (43.3"x20")	1160 x 510 (45.6"x20")	1200 x 650 (47.2"x25.5")	1300 x 650 (51.1"x25.5")	1600 x 650 (62.9"x25.5")	1700 x 800 (66.9"x31.4")	1900 x 800 (74.8"x31.4")	2100 x 800 (82.6"x31.4")
Working Area	MM(inch)	610x 460 (24" x 18.1")	860 x 480 (33.8"x18.8")	1020x530 (40.1"x20.8")	1070x530 (42.1"x20.8")	1100 x 650 (43.3"x25.5")	1200 x 700 (47.2"x27.5")	1500 x 700 (59.1"x27.6")	1600 x 800 (62.9"x31.4")	1800 x 900 (70.8"x35.4")	2000 x 900 (78.7"x35.4")
Tee slots (CD x W x NO)	MM	CD100 x 18 x 3	CD 100x18x3	CD 100x18x4	CD 100x18x4	CD 100x18x5	CD 100x18x5	CD 100x18x5	CD 100x18x8	CD 100x18x8	CD 100x18x8
Table load (maximun)	KG(lbs)	300(660)	600(1320)	800(1760)	900(1980)	1100(2420)	1300(2860)	1500(3300)	2000(4400)	2500(5500)	3000(6600)
TRAVEL											
X-axis	MM(inch)	610(24")	860(33.8")	1020(40.1")	1070(42.1")	1100(43.3")	1200(47.2")	1500(59.1")	1600(62.9")	1800(70.8")	2000(78.7")
Y-axis	MM(inch)	460(18.1")	480(18.8")	530(20.8")	530(20.8")	650(25.5")	700(27.5")	700(27.5")	800(31.4")	900(35.4")	900(35.4")
Z-axis	MM(inch)	480(18.8")	500(19.6")	610(24")	610(24")	650(25.5")	650(25.5")	700(27.5")	730(28.7")	730(28.7")	730(28.7")
Spindle nose to table surface	MM(inch)	100-580 (3.9"-22.8")	100-600 (3.9"-23.6")	100-710 (3.9"-27.9")	100-710 (3.9"-27.9")	100-750 (3.9"-29.5")	100-750 (3.9"-29.5")	100-750 (3.9"-29.5")	130-910 (5.1"-35.8")	130-910 (5.1"-35.8")	130-910 (5.1"-35.8")
Spindle center to column surface	MM(inch)	500(19.6")	520(20.4")	550(21.6")	550(21.6")	700(27.5")	700(27.5")	700(27.5")	965(37.9")	965(37.9")	965(37.9")
X.Y.Z. Axis Ball screws dia	MM	32/12 Pitch-16mm(opt)	32xpitch12	40xpitch12	40xpitch12	40xpitch12	40xpitch12	40xpitch12	50xpitch12	50xpitch12	50xpitch12
SPINDLE											
Spindle taper		BT30 / BT40	BT 40 / CAT 40				BT 40 / CAT 40 (opt: BT 50)			BT 50 / CAT 50	
Spindle speed - standard access	RPM	BT30 / 12,000 / opt 15,000 (Belt drive) Direct drive 15,000/20,000 rpm									
Compatible with various types of spindles	RPM	BT40 8,000 / 10,000 / 12,000					BT50 8,000 / 10,000			8,000(std)/ 10,000(opt) -Belt drive	
		opt BT40 10,000/12,000/15,000-Direct drive					BT50 10,000/12,000-Direct drive			opt 8,000 / 10,000 / 12,000 rpm-Direct drive	
		opt BT40 16,000/20,000/24,000/30,000-Built in					BT 50 12,000/15,000/20,000 - Built in			opt 12,000/ 15,000 rpm -Built-in	
FEEDRATE											
Cutting Feedrate (X, Y, Z axis)	MM/MIN	1-10000(Depending Controller)					1-10000(Depending Controller)			1-10000(Depending Controller)	
3Axes Slideways		LINEAR BALL SLIDE					LINEAR BALL SLIDE, opt: LINEAR ROLL SLIDE				
Rapid Traverse Rates (X/Y/Z axis)	MM/MIN	30/30/24 / opt 48/48/24					30/30/24			24/24/24	
ATC											
Capacity-standard access.	PCS	16(Armless)					24 (Arm)			24(Arm)	
Capacity-optional access.(ARM)	PCS	24/30(Arm), 32/40(Chain Type)					32/40(Chain Type), 30(Arm)			32/40(Chain Type)	
Tool Selection		Bi-directional & min. path					Bi-directional & min.path				
Maximum tool diameter x length	MM(inch)	Armless: 80 x 250 (3.1"x9.8")					Armless Type: 80 x 250(3.1"x9.8"), Arm Type: 80 x 250(3.1"x9.8")				
Maximum tool weight	KG(lbs)	Armless6(13.2) / Arm 8(17.6)					Armless 6(13.2) / Arm 8(17.6)				
Air Power required		6kg / cm ²					6KG/cm ²				
Tool Shank		BT30/ISO30/BT40/ISO40/CAT40					BT40, ISO40 or CAT40 (Option)			BT50, ISO50 or CAT50	
MOTOR											
Spindle drive Motor	KW(HP)	Std: 5.5/7.58KW 7.5HP	Std: 7.5KW(10HP), opt:11KW(15HP)			Std: 7.5KW(10HP), opt: 11KW(15HP)			Std: 15KW(20HP), opt: 2 speed gear box 11KW(15HP)		
LINEAR BALL SLIDE											
X/Y/Z axis		25x2sets / 30x2sets/30x2sets	30x2sets/30x2sets/30x2sets	35x2sets/35x2sets/35x2sets		45x2sets/30x4sets/45x2sets			45x2sets/30x6sets/45x2sets		
Carriage guide block-per axis		4 / 4 / 4 blocks					6 / 8 / 6 blocks			6 / 12 / 6 blocks	
Coolant Pump	HP						1/2				
Power Supply		15KVA	15KVA	20KVA	20KVA	STD: 20KVA			STD: 30KVA		
NET WEIGHT	KG(lbs)	3500(7700)	4500(9900)	5300(11660)	5300(11660)	6600(14520)	7100(15620)	7500(16500)	12500(27500)	13500(29700)	17200(37840)
DIMENSION											
A	cm	260	270	272	280	295	295	380	540	590	630
B	cm	190	212	218	218	225	233	233	250	250	250
C	cm	180	180	180	180	190	200	200	210	210	210
D	cm	80	80	84	84	84	84	84	86	86	86
E (Belt/Direct Spindle)	cm	272/282	272/282	272/282	272/282	310/320	310/320	310/320	330/340	330/340	330/340

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

DIMENSION



STANDARD ACCESSORIES

- Tool Box
- Call Light
- Work Lamp
- Belt Drive 8000rpm
- Chip Enclosure
- Coolant System
- Guideway Cover
- Draw-type Chip tank/water tank
- Screw type chip conveyer-
GLG-1020/1070/1100/1270/1570/1680/1890/2090
- Cutting Air Blast
- Auto Lube System
- Leveling Blocks And Bolt
- Armless ATC 16T for all
- Mechanical, Electrical & Operating Manual
- Spindle Cooling System for
GLG-1020/1070/1100/1270/1570/1680/1890/2090

OPTIONAL ACCESSORIES

- a. CE
- b. Transformer
- c. Flood Coolant
- d. Belt drive 10000/(GLG-610,760,860,1020)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/HSK100A: 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
- l. 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(GLG-610,760,860)