

GEM-450G



- Available for drilling, milling & tapping etc. use
- Steel plate machine stand & chip tray
- Z-axis manual memory feed
- Geared head can be tilted 90° R & L each

GEM-500G II



- Available for drilling, milling & tapping etc. use
- Steel plate machine stand & chip tray
- Z-axis manual memory feed
- Geared head can be tilted 90° R & L each

規格 SPECIFICATIONS:

單位 Unit : mm

型式 Model	GEM-450G	GEM-500G II
一、工作台 Working Table		
工作台尺寸 Table surface	210×730	240×820
作業面積 Movement & range(X×Y×Z)	430×285×450	530×350×460
二、立主軸 Vertical Spindle		
立主軸端 Spindle taper	MT#3 or R-8	MT#3 or R-8
主軸直徑 Quill dia	ø75	ø75
主軸轉速 Spindle speed	50~1250rpm(50HZ) 60~1500rpm(60HZ)	50~2500rpm(50HZ) 60~3000rpm(60HZ)
主軸行程 Quill travel	120	120
主軸端至台面距離 Spindle nose to table	450	460
主軸傾斜角度 (左右) Spindle swivelling angle (L & R)	±90°	±90°
三、電動機 Motors		
主軸動力 Spindle power	1HP	1-1/2HP
Z 軸快送 Rapid feed of Z axis	1/4HP Gear motor (選購 Opt.)	
冷卻泵馬達 Coolant pump motor	1/8HP (選購 Opt.)	
裝箱尺寸 (含腳座) Measurement (w. stand)	870×890×1920	1050×980×1875
淨重 / 毛重 N.W./G.W.	400kgs/435kgs	650kgs/690kgs

※上列規格僅供參考，如有變更，恕不另行通知。

The above mentioned specifications & dimensions which just for refer,
If those are subjected to change, without prior notice.

STANDARD ACCESSORIES:

1. Drawbar
2. Chuck Arbor
3. Tool Box & Tools
4. Levelling Base
5. Forward/Reverse Switches(For GEM-450G 6steps)
6. Hi/Low Switches (Two speed motors) (For GEM-500G II 12steps)

OPTIONAL ACCESSORIES:

1. Table Power Feed
2. 4" Machine Vise
3. 6" Machine Vise
4. 52pcs Clamping Kits
5. 5pcs Collet Chucks
6. 7pcs Collet Chucks
7. Drill Chucks(13mm)
8. NT#30 Spindle Taper
9. Rapid Feed of Z Axis
10. CE Standard
11. Tapping Function
12. Cooling System
13. Hand Lubricator
14. (GEM-450G)Two Speed Motors(for GEM-450G)
15. 1-1/2HP(GEM-450G) on Request
2HP(GEM-500G II) on Request
16. 16.Halogen Working Lamp

GEM-500G III



規格 SPECIFICATIONS:

單位 Unit:mm

型式 Model	GEM-500G III	GEM-600P
一. 工作台 TABLE		
工作台尺寸 Table surface	240 × 820	240 × 990
行程 Travel range (X × Y × Z)	500 × 350 × 460	600 × 350 × 460
二. 主軸 MAIN SPINDLE		
主軸孔 Spindle nose	MT#3 or R-8	R-8 or NST-30
主軸直徑 Quill dia.	φ75	φ86
主軸轉速 Spindle speeds	50 ~ 2500rpm(50HZ) 60 ~ 3000rpm(60HZ)	68 ~ 2280rpm(50HZ) 80 ~ 2760rpm(60HZ)
主軸進給速度 Quill auto feed speed		0.04/0.08/ 0.15mm/rev
主軸行程 Quill travel	120	126
主軸端至台面距離 Spindle nose to table	100 ~ 460	60 ~ 490
主軸中心至機柱距離 Spindle center to column surface	275	360
立銑頭傾斜角度 Vert. head swivelling angle(R&L)	± 90 °	
三. 電動機 MOTORS		
主軸動力 Spindle power	1.5HP	2HP
Z 軸快速 Z axis rapid feed	1/4HP gear motor (opt.) 選購配備	
冷卻泵馬達 Coolant pump motor	1/8HP(opt.) 選購配備	
裝箱尺寸 Measurement	1050 × 980 × 1875	1080 × 1265 × 1875
淨重 / 毛重 N.W / G.W.	700Kgs/760Kgs	820Kgs/900Kgs

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STANDARD ACCESSORIES:

1. Draw Bar
2. Z Axis Manual Memory Feed
3. 1.5HP Two Speeds Motor (12 steps) For GEM-500G III
2HP Motor (8 steps) For GEM-600P
4. Levelling Base
5. Tool Box & Tools

OPTIONAL ACCESSORIES:

1. Table Power Feed
2. 6" Swivel Milling Vise
3. 52pcs Clamping kits
4. Collet Chuck (5 Pcs)
5. Collet Chuck (7 Pcs)
6. 13mm 41M Drill Chuck Chuck (13mm)
7. NST-30 Spindle Nose (GEM-G III)
8. Z Axis Up & Down Gear Motor (1/4HP)
9. CE Standard (Control Box & Control Panel)
10. Tapping Function (GEM-500G III)
11. Coolant System
12. Hand Oiler Equipped for X.Y Z Slideways
13. Hardened & Ground Ways for Y.z Axis
14. Hardened & Ground Table Surface
15. Saddle Coated With Trucite-B on X.Y.Z)
16. Two Speed Motor For GEM-600P
17. Single Phase Motor

GEM-450GV



Table surface	210×730mm	Movement & range	430×285×450mm
Spindle taper	MT3 or R8	Quill dia	ψ75
Spindle speed	L:50 ~ 300 H:330 ~2000 (VARIABLE SPEEDS)	Quill travel	120
Spindle nose to table	450	Spindle swivelling angle(L & R)	±90°
Spindle power	AC 1HP	Rapid feed of Z axis	1/4HP Gear motor (Opt.)
Coolant pump motor	1/8HP(Opt.)	Measurement(w.stand)	985×880×1950mm
N.W./G.W.	440/475kgs		

GEM-500GV

SPECIFICATIONS: Unit:mm

Model	500GV
Drilling cap.	40
Face milling	76
End milling	32
Spindle taper	MT- $\frac{3}{8}$ -R-8
Quill dia.	75 \varnothing
Quill travel	120
Spindle nose to table	450
Spindle speeds	L:50~350rpm H:370~2500rpm
Spindle center to column surface	275
Main motor	2HP
Table surface	240x820
X,Y,Z travel	500x350x450
Quill auto feed	-
Z axis rapid feed	1/4HP Gear motor(Opt.)
Coolant pump motor	1/8 HP(Opt.)
Machine weight	690kgs
Measurement	1050x980x1875



NOTE: The specifications & dimension are subjected to change without notice.

- Available for milling, drilling, & tapping etc,
- 2HP inverter motor
- Spindle speed range
Low:50~350 rpm
High:370~2500 rpm
- Geared head can be tilted 90° R&L each
- CE standard(Opt.)
- All gear driven & transmitted

STANDARD ACCESSORIES:

- Drawbar
- Chuck Arbor
- Tool Box & Tools
- Levelling Base

OPTIONAL ACCESSORIES:

- Table Power Feed
- 4" Machine Vise
- 6" Machine Vise
- 52 pcs Collet Chucks
- 5 pcs Collet Chucks
- 7 pcs Collet Chucks
- Drill Chucks(13mm)
- NT#30 Spindle Taper for 400GV/500GV
- Rapid Feed of Z Axis for 500GV/600PV
- CE Standard
- Tapping Function for 400GV/500GV
- Cooling System
- Hand Lubricator for 500GV
- Halogen Working Lamp
- Auto Lubrication Device for 500GV/600PV
- Table Splash Guard for: 600PV
- Cabinet Stand & Chip Tray for 400GV