



GREAT

GSLV-1000H / 1500H 2000H / 3000H 3500H / 4000H

重切削 Heavy Duty Grinding

垂直軸平面磨床 VERTICAL SPINDLE SURFACE GRINDERS



冷卻系統

冷卻系統採用磁式濾清機(特別附件), 確保冷卻液之清潔及循環順暢。

COOLANT EQUIPMENT

The cooling system employs a magnetic dust separator(optional) to keep fluid clean and ensure smooth circulation.



全自動潤滑系統

自動循環強制潤滑系統, 無需任何人力潤滑, 以確保機械壽命及精度。

AUTOMATIC LUBRICATION SYSTEM

The automatic forced lubrication system eliminates any manual lubrication while ensuring the machine service life and accuracy.



超大精密主軸

特殊設計 $\phi 80$ mm 超大主軸, 擁有獨特的重研磨能力, 不震動。主軸採用德國FAG軸承, 永保最佳研磨品質。

HEAVY DUTY PRECISION SPINDLE

The specially designed $\phi 80$ mm. massive spindle permits heavy grinding operation without vibration. The spindle is mounted on German FAG bearings to assure high quality grinding.

規格表 SPECIFICATIONS: H: Heavy Duty Grinding

Unit:mm

型式	MODEL	GSLV-1000H	GSLV-1500H	GSLV-2000H	GSLV-3000H	GSLV-3500H	GSLV-4000H	
最大工作面積	Max. grinding area	250x1000	350x1500	350x2000	350x3000	350x3500	350x4000	
最大研磨高度	Max. grinding height	300						
砂輪尺寸	Grinding wheel size	305x25.4x50.8		355x25.4x50.8				
主軸馬達	Spindle motor	20HPx4Pole						
主軸馬達轉速	Spindle motor speed	1720rpm/60HZ						
上下每格進給量	Downfeed per division	0.005						
冷卻水幫浦	Coolant pump	1/8HP		1/4HP				
油壓馬達	Hydraulic motor	3HP						
上下快速馬達	Rapid elevating motor	1/2HP						
機械尺寸	Machine size	Meter	3.8x1.5x2.2	4.9x1.5x2.2	5.9x1.5x2.2	7.9x1.5x2.2	8.9x1.5x2.2	9.9x1.5x2.2
裝箱尺寸	Measurement	Meter	4x1.7x2.4	5.2x1.7x2.4	6.2x1.7x2.4	8.2x1.7x2.4	9.2x1.7x2.4	10.2x1.7x2.4
淨重/毛重	N.W/G.W.	Kgs	3800/4100	4500/4850	5500/6000	7500/8100	8500/9200	9800/10800

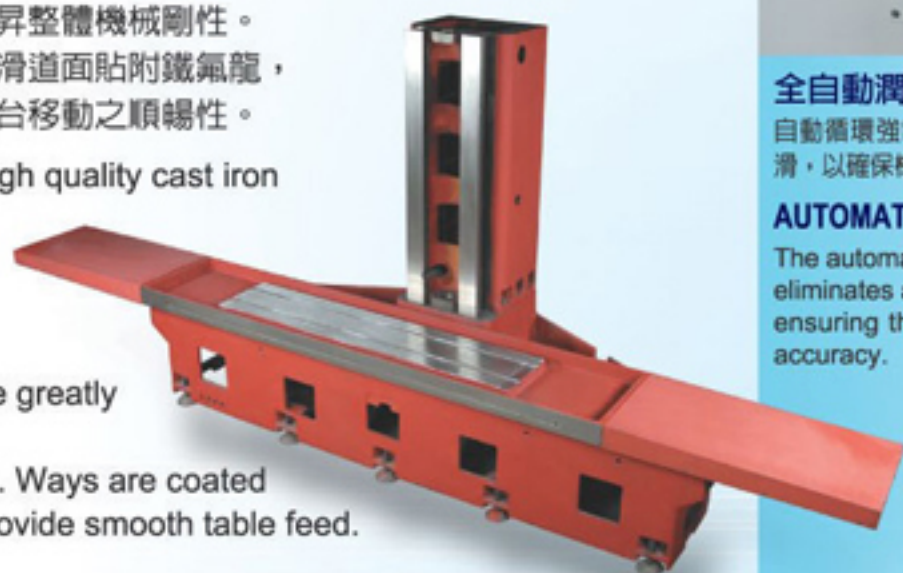
特點 FEATURES:

立柱 COLUMN

- ▶ 超大支柱結構設計。上下行程為方形滑軌, 經熱處理硬化, 精密研磨。
- ▶ 頭部上下行程採用伺服馬達驅動(選購配備)配合精密滾珠螺桿傳動(選購配備), 並裝置平衡配重塊, 確保頭部上下行程之精密與穩定性。
- ▶ 頭部上下行程可作快速及手動控制。
- ▶ Oversized column structure. Square slideways on column surface are hardened and precision ground.
- ▶ The grinding wheel head vertical travel is driven by servo motor (optional) and transmitted by a precision ball screw (optional). Counter-balance weight is provided to assure head positioning accuracy and maximum traverse stability.
- ▶ Rapid traverse and manual control for the grinding wheel head vertical travel.

特殊設計底座 SPECIALLY DESIGNED BASE

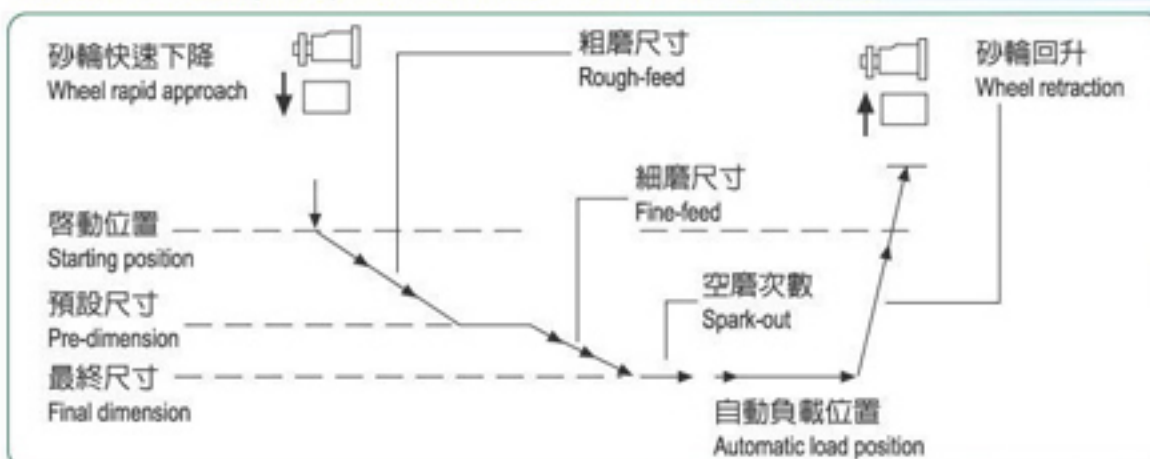
- ▶ 底座採用高級鑄鐵(FC-30)製成, 並經回火處理。
- ▶ 底座結構以筋骨強化, 對重負載支撐剛性佳。
- ▶ 特殊設計的底座結構強化, 大幅提昇整體機械剛性。
- ▶ 底座滑道為“V”型和平面構造, 滑道面貼附鐵氟龍, 避免滑道面直接磨耗, 並確保工作台移動之順暢性。
- ▶ The base is manufactured from high quality cast iron (FC-30) and annealing heat
- ▶ The massive, scientifically ribbed base provides extra rigid loads.
- ▶ Specially reinforced base structure greatly upgrades the machine's rigidity.
- ▶ "V" and flat slideways on the base. Ways are coated Turcite-B to eliminate wear and provide smooth table feed.



工作台 TABLE

- ▶ 工作台左右移動採油壓系統驅動, 配合流量控制, 提供工作台的無段變數。
- ▶ The table longitudinal travel is driven by a hydraulic system combined with flow control providing variable speed change for the table.

自動研磨流程(ASD) AUTOMATIC GRINDING CYCLE



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GREAT

垂直軸平面磨床 VERTICAL SPINDLE SURFACE GRINDERS GSLV-1000 / 1500

特點 FEATURES:

立柱 COLUMN

- ▶ 超大支柱結構設計。上下行程為方形滑軌，經熱處理硬化，精密研磨。
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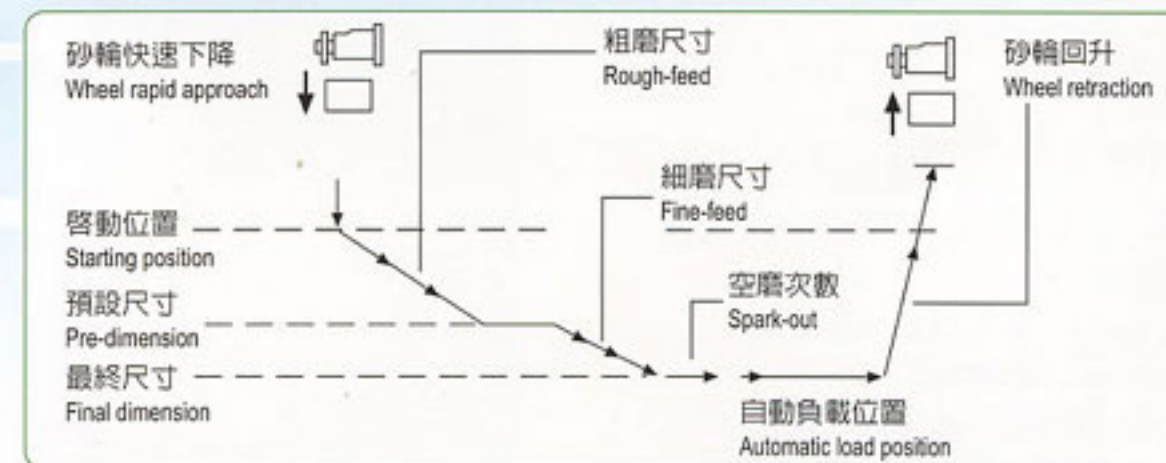
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規格表 SPECIFICATIONS:

型式	MODEL	GSLV-1000 / GSLV-1500	標準附件	STANDARD ACCESSORIES
最大工作範圍	Max. working range	250 x 1000 mm / 300 x 1500mm	環形砂輪	Round cycle grinding wheel.
最大研磨高度	Max. grinding thickness	200 mm	砂輪修整器	Wheel dresser.
砂輪尺寸	Grinding wheel size	305 x 25.4 x 50.8 mm / 305 x 25.4 x 50.8mm	工具箱及工具	Tool box & tools.
主軸動力	Spindle motor	10 HP x 4poles	油壓動力系統	Hydraulic system.
主軸轉速	Grinding wheel speed	1740 rpm / 60Hz	冷卻水箱	Coolant equipment
手輪上下每格進給量	Downfeed per division	0.005 mm	特別附件	OPTIONAL ACCESSORIES
冷卻泵馬達	Coolant pump motor	1/8 HP / 1/4 HP	電磁鐵	Electro-magnetic chuck.
油壓泵馬達	Hydraulic pump motor	3 HP	整流及自動脫磁	Rectifier with automatic demagnetizing
快速升降馬達	Rapid elevating motor	1/2 HP	磁式濾清機	Magnetic dust separator
機械尺寸	Machine size	3800 x 1200 x 2200 mm / 4800 x 1200 x 2200 mm	上下自動進刀	ASD (Auto downfeed)
裝箱尺寸	Measurement	4000 x 1700 x 2450 mm / 5200 x 1700 x 2450 mm		
淨重/毛重	N.W. / G.W.	2800 kgs / 3100 kgs / 3600 kgs / 4000 kgs		

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冷卻系統

冷卻系統採用磁式濾清機(特別附件)，確保冷卻液之清潔及循環順暢。

COOLANT EQUIPMENT

The cooling system employs a magnetic dust separator(optional) to keep fluid clean and ensure smooth circulation.



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The automatic forced lubrication system eliminates any manual lubrication while ensuring the machine service life and accuracy.



超大精密主軸

特殊設計ø80mm超大主軸，擁有獨特的重研磨能力，不震動。主軸採用德國FAG軸承，永保最佳研磨品質。

HEAVY DUTY PRECISION SPINDLE

The specially designed ø80 mm. massive spindle permits heavy grinding operation without vibration. The spindle is mounted on German FAG bearings to assure high quality grinding.