

ML-02 NC Milling Head NC 搪銑頭

Since 1988
美立固®
AAB
PARA MILL

High Precision Gear Transmission

High Rigidity
Heavy Duty Cutting

精密齒輪傳動 高剛性
耐重切削



Features 產品特點

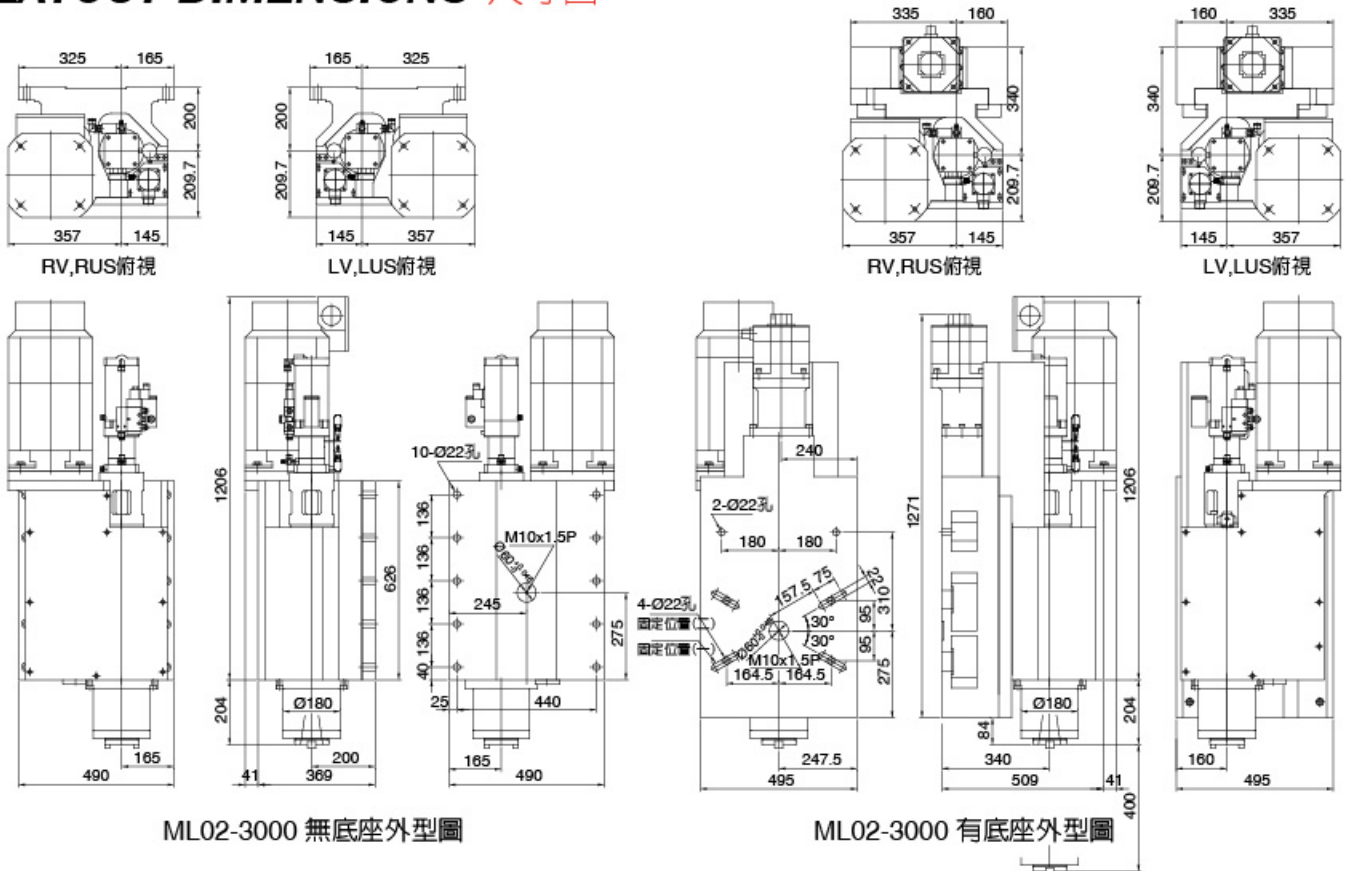
- The NC milling head provide right hand side milling and left hand side milling for select, it allows for vertical、horizontal and reversed horizontal milling. Also it available to mount with the angular head.
- Easy to operate and high rigidity. The NC milling head is applicable for plano miller or special purpose machine and it is suitable for heavy duty cutting、boring、drilling and tapping operations.
- The lubrication system are forcedly lubricated by using automatic pump or automatic lubricator.
- Gears and shafts are manufactured from Chrome-molybdenum alloy steel (SCM415), quenched and precision ground to JIS Class 1. Rugged material is not easy to crack even by impact.
- The casting parts are manufactured from Meehanite cast iron and stress relieved to ensure the accuracy and stability of the milling head.
- The slideway surfaces are hardened and precision ground, allowing accurate movement and maximum wear-resistance.
- Air curtain device may prevent chips and dusts from entering. Circulated oil cooling system reduces the temperature of the milling head.
- Two-step hydraulic control system.
- The gearbox structure is fitted with high speed bearing and fixed well at both sides to avoid vibration during heavy duty cutting.
- The transmission shaft is designed with straight type gear and separated design for easy maintenance.
- Multiple seal design optimized bearing construction and use the needle bearing to provide better cutting capacity.
- Precision assembly skill with guaranteed accuracy.
- NC搪銑頭有左銑型及右銑型兩種，分別可作立銑、橫銑、水平銑、逆橫銑，並可加裝90度銑頭。
- 操作簡便，結構剛性極佳，適合安裝於龍門刨床、銑床或各種專用機上可作重切削、搪孔、鑽孔及攻牙…等。
- 各部位潤滑系統均以自動幫浦或電動注油機進行強制潤滑。
- 齒輪及軸均採用鉻鉬合金鋼(SCM415)，經淬火後精密研磨至JIS1級，材質剛性強，受到撞擊不易崩裂。
- 鑄件均採用米漢納鑄鐵，經應力消除，常保銑頭精度穩定。
- 軌道滑動面經硬化熱處理，精密研磨，確保滑動面精準耐磨。
- 氣幕式保護裝置，可防止鐵屑與灰塵侵入。
- 循環式油泵冷卻系統，以降低銑頭溫度。
- 二段式油壓控制入檔。
- 內部結構採用高速軸承，由雙方向固定，不易晃動，可承受重切削，傳動軸直型齒輪，採用分離式維修更容易。
- 多種密封設計，更優化的軸承結構，採用滾針軸承，角度頭具有更好的承載力。
- 工精良，裝配精密，保證精度。

ML-02 NC Milling Head

SPECIFICATIONS NC 磨銑頭規格表

MODEL 機型	ML02-3000	
Spindle taper 主軸錐度	BT-50	
Spindle speed 主軸變速段速	Two-step 2段	
Spindle speed (R.P.M.) 主軸轉速(R.P.M.)	High gear 高速檔	Gear ratio 齒數比 = 0.85
	Low gear 低速檔	Gear ratio 齒數比 = 0.27
Circulated oil 循環油	Circulated oil 循環機油 #32	
Hydraulic pressure for change gear system 檔位切換油壓	8~10	
Max. cutter Dia. 最大刀盤直徑	Ø200	
Max. torque transmission 大扭矩輸出	500 N-m	
Hydraulic oil for change gear system 檔位切換油	Hydraulic oil 液壓油 #32	
Air pressure for pneumatic tool cylinder 鎖刀缸風壓	5~7 kg/cm ²	
Spindle speed 主軸轉速	3000 RPM	
Spindle motor (optional) 馬達(選配)	18.5 kW / 22 kW (Ø55)	
Rigid tapping (optional) 剛性攻牙(選配)	N/A	
Servo motor (optional) 伺服馬達(選配)	N/A	
Work travel 工作行程	400 mm (With the slideway base 有底座)	
Weight 重量	560 kg (Without the slideway base 無底座)	890 kg (With the slideway base 有底座)

LAYOUT DIMENSIONS 尺寸圖



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