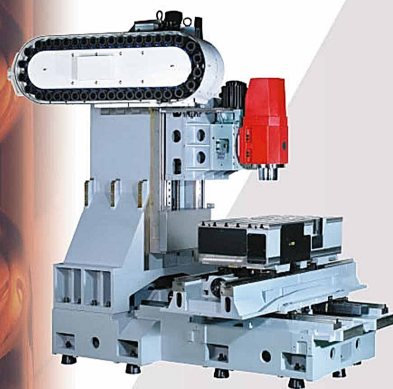


LILIAN 五軸銑車複合機

Five Axis Multi Milling & Turning Machining Center

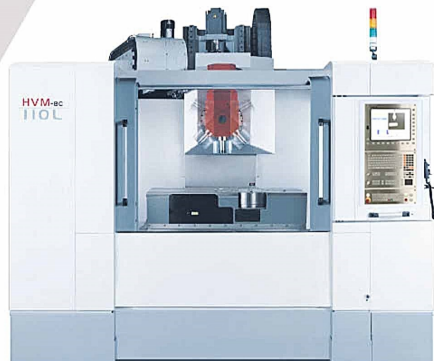
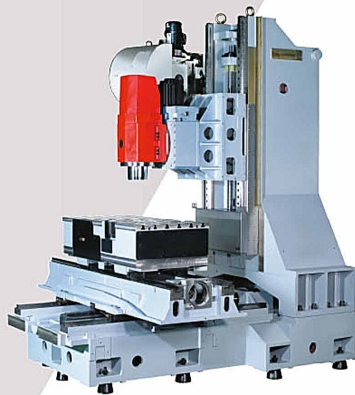


FRAME AVAILABLE 光機可售



FIVE AXIS VMC 五軸機

HVM-110L-BC / AC

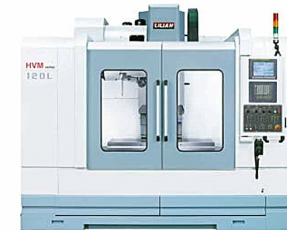


- MAX Z TRAVEL: 1000MM (BC axis: 1200 x 650 x 750~930mm)
- MAX TILTING RANGE $\pm 120^\circ$ (240°) ON B AXIS ROLLER GEAR CAM DRIVE
- MAX X+Y+Z CUTTING FEED RATE 20000MM/MIN
- AC AXIS DIA. 400MM ROUND SIZE ROTARY TABLE ON 560x400MM FLAT TILTING TABLE.
- DOUBLE FULLY ENCLOSED CASTING DESIGN ON HEAD, COLUMN, TABLE, SADDLE AND BASE.



STANDARD VMC TWO LINEAR
GUIDE WAY X+Y+Z 標準機

SVM-55 / 85 / 165



HIGH SPEED VMC 高速機
(TWO LINEAR GUIDE WAY)

HVM-120L



STANDARD VMC FOUR
HARDEN BOX WAY 四硬軌

VMC-1100 / 1400 / 1500 / 2000



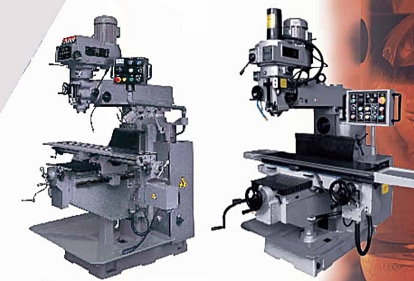
HEAVY-DUTY VMC FOUR-SIX 重切削齒輪
HARDEN BOX WAY(GEAR HEAD)

DMC-1600 / 1900 / 2200

BED MILL OX-1 CNC / CNC-400
CNC-1600 / CNC-2000



KNEE MILL 6H / 6VH / 7H / 7VI



LILIAN

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SPECIFICATIONS

Model	Five Axis VMC 五軸機			High speed VMC (Two Linear Way) 高速機(二線軸)		
	HVM-110L-AC	HVM-110L-BC	SVM-85	SVM-165	HVM-120L	
	(Fixed Head + 400mm round tilting Rotary Table)	(Roller Cam Driver B-axis + 550mm built-in work table C-axis)	(X+Y+Z linear guide way)	(X+Y+Z linear guide way)	(X+Y+Z linear guide way)	
Table Size (mm) 工作台尺寸	560x400 (dia. 400mm)	1260x620 (dia. 550mm)	1050x600	1250x600	1260x610	
Travel (XxYxZmm) 行程	850x850x860-717	1200x650x750-930(depends head tilting degree)	850x600x560(Opt. 600)	1050x600x560(Opt.600)	1200x650x830(Opt. 1000)	
Rapid Feed Rate (X/Y/Z mm/min) 快速位移	36x36x30	36x36x30	36x36x30	36x36x30	36x36x30	
Cutting Feed Rate (X/Y/Z mm/min) 切削速率	1-20000	1-20000	1-20000	1-20000	1-20000	
Max. Table Load (Kg) 最大荷重	Rotating:200, Tilting:100	770	600	800	800	
Spindle Taper 主軸錐度	BBT40/HSK63A	BBT40/HSK63A	BT40	BT40	BT40	
Main Spindle Motor 主軸馬力	Fanuc: S1/70 or Heidenhain:S1/96	Fanuc: S1/95 or Heidenhain S1/75	11/15 kw	11/15 kw	11/15kw	
Spindle Type 主軸型式	Direct / Built-IN	Built-IN	Belt / Direct	Belt / Direct	Direct	
Spindle Speed (RPM) 主軸轉速	12000 (Opt.15000 / 20000 / 24000)	15000 (Opt. 16000 / 20000 / 24000)	8000 (Opt. 10000 / 12000)	8000 (Opt. 10000 / 12000)	12000 (Opt. 15000)	
Tool Storage Capacity 刀倉容量	30 ARM (Opt. 40 Chain)	40 Chain	24 ARM	24 ARM	30 ARM	
Machine Weight (KGs) 機械淨重	7600	7800	5510	5870	7500	
Floor Space (mm) LxWxH 佔地面積	3480 x 3305 x 3236	3480x3357x3025	3050x2710x2840	3335x2710x2840	3480x3305x2820	

Model		Standard Linear Way	Standard VMC Four Harden Box Way 硬軌標準機(四硬軌)			
		SVM-55	VMC-1100	VMC-1400	VMC-1500	VMC-2000
Table Size (mm)	工作台尺寸	600 x 320	1150 x 610	1550 x 700	1550x 700	2100 x 800
Travel (XxYxZmm)	行程	550x410x460	1100x610x610	1400x720x610	1500x720x680	2000x825(Opt.850)x750
Rapid Feed Rate (X/Y/Z m/min)	快速位移	36x36x36	15x15x15	15x15x15	15x15x15	12x12x10
Cuting Feed Rate (X/Y/Z mm/min)	切削速率	1-10000	1-10000	1-10000	1-10000	1-10000
Max. Table Load (Kg)	最大荷重	300	1000	1200	1500	2200
Spindle Taper	主軸銑度	BT40	BT40	BT40	BT50	BT50
Main Spindle Motor	主軸馬力	5.5 (Opt. 7.5/11)	11/15	11/15	15/18.5	15/18.5
Spindle Type	主軸型式	Belt / Direct	Belt / Direct	Belt / Direct	Belt / Gear Head	Belt / Gear Head
Spindle Speed (RPM)	主軸轉速	8000 (Opt. 10000)	8000 (Opt. 10000)	8000 (Opt. 10000)	6000	6000
Tool Storage Capacity	刀倉容量	12 Genova (Opt. 16 ARM)	24 ARM	24 ARM (Opt. 30 ARM)	24 ARM (Opt. 30 ARM / 40 CHAIN)	24 ARM (Opt. 30 ARM / 40 CHAIN)
Machine Weight (KGs)	機械淨重	3000	7500	11500	12000	14500
Floor Space (mm) LxWxH	佔地面積	1900x2240x2520	3000x3150x3050	3950x3300x3050	4420x3300x3100	4900x3780x3270

Model	Heavy-Duty VMC Four-Six Harden Box Way 超重加工(四-六硬軌)			CNC Milling Machines CNC銑床		
	DMC-1600	DMC-1900 / DMC-2200	CNC-400	CNC-1600	CNC-2000	
Table Size (mm) 工作台面尺寸	1700x815	2100x1000 / 2400x1000	1372x406	1900x500	2185x813	
Travel (XxYxZmm) 行程	1600x800x700	1900x1000x800 / 2200x1000x800	1000x500x600	1600x620x630	2000x850x710	
Rapid Feed Rate (X/Y/Z m/min) 快速位移	15x15x15	12x12x10	10x10x10	10x10x10	10x10x10	
Cuting Feed Rate (X/Y/Z mm/min) 切削速率	1-10000	1-10000	1-5000	1-8000	1-5000	
Max. Table Load (Kg) 最大荷重	2100	3000 / 4000	600	800	1800	
Spindle Taper 主軸锥度	BT50	BT-50	BT40	BT40 (Opt. BT50)	BT40 (Opt. BT50)	
Main Spindle Motor 主軸馬力	15/18.5	15/(18.5) / 18.5/(22)	7.5/11	11/15	11/15	
Spindle Type 主軸型式	Belt (Opt. Gear Head)	Belt (Opt. Gear Head)	Belt	Belt (Opt. Gear Head)	Belt (Opt. Gear Head)	
Spindle Speed (RPM) 主軸轉速	6000	6000	8000	8000 (Opt.Gear Head #40-8000/#50-6000)	8000 (Opt. Gear Head #40-8000/#50-6000)	
Tool Storage Capacity 刀倉容量	24 ARM	24 ARM	Opt. 12 Genova	Opt. 24 ARM	Opt. 24 ARM	
Machine Weight (KGs) 機機淨重	15000	18000 / 20000	2900	6500	6800	
Floor Space (mm) LxWxH 佔地面積	4540x3800x3320	5100x3900x3600 / 5700x3900x3600	3353x2208x1990	4639x2223x2350	5730x2987x2307	

Model		Manual Milling Machine 傳統銑床		CNC Milling Machines CNC銑床	
2S,2VS/3H,3VH/4H,4VH/5H,5VH		6H,6VH	7H/7VI	5VH CNC	OX-1 CNC
Table Size (mm)	工作台面尺寸 1067x229 / 1270x254 / 1270x254 / 1270x254	1372x254	1350x305	1270x254	1515x470
Travel-X (mm)	行程-左右 762 / 914 / 914 / 914	875	970	762	1300
Travel-Y (mm)	行程-前後 337 / 406 / 445 / 445	400	400	380	600
Travel-Z (mm)	行程-上下 406 / 406 / 445 / 445	445	400	445	600
Travel-Quill (mm)	行程-總管 127 / 127 / 127 / 127	127	140	127	--
Vertical Quill Diameter (mm)	立銑總管直徑 85.725 / 85.725 / 85.725 / 105	105	110	105	--
Vertical Spindle Motor	立銑主軸馬力 3HP / 3HP / 3HP / 5HP	5HP	5HP	5HP	5HP
Vertical Spindle Taper	立銑主軸難度 R8(NT30) / R8(NT30) / R8(NT30) / NT40	NT40	NT40	NT40	NT40
Vertical Spindle Speed-Step Pulley	有段 60-2700 / 60-2700 / 60-2700 / 60-3450	60-3450 (10 steps)	75-3600 (16 steps)	--	75-3600 (16 steps)
Vertical Spindle Speed-Variable	無段 60-4200 / 60-4200 / 60-4200 / 60-4200	60-4200	60-3600	60-4200	--
Horizontal Spindle Speed	橫銑主軸轉速 --	--	70-1050 (9 steps)	--	--
Machine Weight (KGs)	機械淨重 1100 / 1250 / 1500 / 1650	1700	2400 / 2430	1650	3500
Floor Space (mm) LxWxH	佔地面積 2VS:1540x1435x2060 / 3VH:1720x1640x2150 4VH:1720x1640x2290 / 5VH:1720x1510x2240	1720x1650x2240	2050x1840x2380	2450x2080x2300	2450x2180x2300
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[illegible]