

SPECIFICATIONS	規格	Unit	單位	VTL-10/14(M)	VTL-12/16 (M)	VTL-16/20(M)	VTL-20/25(M)	VTL-27/34 (M)	VTL-30/40 (M)
Table Diameter	工作檯直徑	mm / inch	mm / inch	1000 / 39.4	1250 / 49.2	1600 / 63	2000 / 78.75	2700 / 106.3	3000 / 118.1
Max. Turning Diameter	最大加工徑	mm / inch	mm / inch	1400 / 55.1	1600 / 63	2000 / 78.75	2440 / 96	3400 / 133.8	4000 / 157.48
Max. Swing	最大旋徑	mm / inch	mm / inch	1400 / 55.1	1600 / 63	2000 / 78.75	2500 / 98.4	3400 / 133.8	4000 / 157.48
Max. Turning Height	最大加工高度	mm / inch	mm / inch	900 / 34.5	1250 / 49	1500 / 59.06	1500 / 59.06	2000 / 78.74	2200 / 86.61
Max. Mass of Workpiece	工件最大承載量	Kg / Lbs	Kg / Lbs	4500 / 9900	5900 / 13000	15000 / 33000	20000/ 44000	25000 / 55000	30000 / 66000
Max. Torque of Table	工作檯最大扭力	NM / lbs-ft	NM / lbs-ft	10,370/ 7,637	12007/ 8,843	20000 / 14750	24600 / 18142	58491 / 43049	
Max. Cutting Force	最大切削力	N / Lb	N / Lb	20,740/ 4,656	19,211/ 4,312	25000 / 5620	24600 / 5522	43326 / 9726	
X axis Stroke	X 軸行程	mm / inch	mm / inch	1200 / 47.2	1405(-200+1205) / 55.3	1635 / 64.37	1785 / 70.27	2667 / 105	4100 / 161.4
X axis ballscrew diameter	X 軸滾珠螺桿直徑	mm / inch	mm / inch	50XP12 / 2XP0.5	63XP12 / 2.5XP0.5	63XP12 / 2.5XP0.5	63XP12 / 2.5XP0.5	63XP12 / 2.5XP0.5	80XP12 / 3.15XP0.5
X axis Torque	X 軸扭力	NM / lbs-ft	NM / lbs-ft	114 / 83.9	114 / 83.9	114 / 83.9	114 / 83.9	114 / 83.9	114 / 83.9
Z axis Stroke	Z 軸行程	mm / inch	mm / inch	800 / 31.5	1000 / 39.4	1000 / 39.4	1000 / 39.4	1500 / 59	1500 / 59
Z axis ballscrew diameter	Z 軸滾珠螺桿直徑	mm / inch	mm / inch	50XP10 / 2XP0.39	50XP10 / 2XP0.39	50XP10 / 2XP0.39	50XP10 / 2XP0.39	50XP10 / 2XP0.39	63XP12 / 2.5XP0.5
Z axis Torque	Z 軸扭力	NM / lbs-ft	NM / lbs-ft	72 / 53	72 / 53	114 / 83.9	114 / 83.9	114 / 83.9	114 / 83.9
Ram Size	方形刀柄尺寸	mm / inch	mm / inch	180x180 / 7.08x7.08	230x230 / 9.06x9.06	230x230 / 9.06x9.06	230x230 / 9.06x9.06	230x230 / 9.06x9.06	290x290 / 7.36x7.36
Min. I.D. for Ram Pass	容許最小切削內徑	mm / inch	mm / inch	250 / 9.8	330 / 13	330 / 13	330 / 13	330 / 13	410 / 16.14
Table Speed(2 steps)	工作檯速度	rpm	rpm	1-120 , 120-600	1-120 , 100-350	1-91 , 85-250	1-73 , 65-200	1-37 , 38-100	1-80
Rapid traverse (X axis)	移動速度(X 軸)	mm / min	mm / min	12000	12000	12000	12000	10000	10000
		inch / min	inch / min	472	472	472	472	394	394
Rapid traverse (Z axis)	移動速度(Z 軸)	mm / min	mm / min	10000	10000	10000	10000	8000	8000
		inch / min	inch / min	393	393	393	393	315	315
Crossrail Stroke	橫樑行程	mm / inch	mm / inch	600 / 23.6	800 / 31.5	800 / 31.5	800 / 31.5	1000 / 39.4	1500 / 59
Crossrail Step	橫樑升降高度	mm / inch x step	mm / inch x step	200x4 / 7.87x4	200x5 / 7.87x5	200x5 / 7.87x5	200x5 / 7.87x5	200x6 / 7.87x6	250x7 / 9.84x7
Table Main Motor	工作檯主馬達	kw	kw	37/30 (a30) / [45/37 (a40)]	37/30 (a30) / [45/37 (a40)]	45/37 (a40)	45/37 (a40)	75/60 (a60 HVI)	75/60 (a60 HVI)
		HP	HP	50/40 [60/50]	50/40 [60/50]	60/50	60/50	100 / 80	100 / 80
X axis Servo Motor	X 軸伺服馬達	Kw / HP	Kw / HP	6.0/8.0 (a40)	6.0/8.0 (a40)	6.0/8 (a40)	6.0/8 (a40)	6.0/8.0 (a40 HVI)	6.0/8.0 (a40 HVI)
Z axis Servo Motor	Z 軸伺服馬達	Kw / HP	Kw / HP	6.0/8.0 (a40)	6.0/8.0 (a40)	6.0/8.0 (a40)	6.0/8.0 (a40)	6.0/8.0 (a40 HVI)	6.0/8.0 (a40 HVI)
ATC Servo Motor	刀庫伺服馬達	Kw / HP	Kw / HP	0.75/1.0 (a4)	0.75/1.0 (a4)	0.75/1.0 (a4)	0.75/1.0 (a4)	0.75/1.0 (a4 HVI)	0.75/1.0 (a4 HVI)
Hydraulic Motor	油壓馬達	kw	kw	3.75	3.75	1.5	1.5	3.75	3.75
		HP	HP	5	5	2	2	5	5
Crossrail Motor	橫樑馬達	kw	kw	5.5	5.5	5.5	5.5	15	15
		HP	HP	7.5	7.5	7.5	7.5	20	20
Lube. Motor	潤滑馬達	kw	kw	0.75	0.75	0.75	0.75	3.75	3.75
		HP	HP	1	1	1	1	5	5
ATC Magazine Capacity	標準刀庫容量	Tool	Tool	12 (Turing:6 , Milling:6)	18 (Turing:9 , Milling:9)	18 (Turing:9 , Milling:9)	18 (Turing:9 , Milling:9)	18 (Turing:9 , Milling:9)	18 (Turing:9 , Milling:9)
Max. Tool Length	最大刀具長度	mm / inch	mm / inch	350 / 13.78	350 / 13.78	450 / 17.72	450 / 17.72	450 / 17.72	450 / 17.72
Max. Drill Diameter	最大鑽孔尺寸	mm / inch	mm / inch	40/1.6 (Carbon Steel Workpiece)	40/1.6 (Carbon Steel Workpiece)	50.8/2 (Carbon Steel Workpiece)	50.8/2 (Carbon Steel Workpiece)	65/2.5 (Carbon Steel Workpiece)	65/2.5 (Carbon Steel Workpiece)
Max. Taping Diameter	最大攻牙尺寸	mm / inch	mm / inch	M25/1.0 (Carbon Steel Workpiece)	M25/1.0 (Carbon Steel Workpiece)	M30/1.2 (Carbon Steel Workpiece)	M30/1.2 (Carbon Steel Workpiece)	M50/2 (Carbon Steel Workpiece)	M50/2 (Carbon Steel Workpiece)
Max. Torque for Drilling	鑽孔最大扭力	NM / lbs-ft	NM / lbs-ft	196 / 145	196 / 145	196 / 145	196 / 145	235 / 173	345 / 255
Live Spindle Speed	動力軸轉速	rpm	rpm	2500	2500	30-2000	30-2000	30-2000	30-2000
Table Index Speed (C)	工作檯速度 ©	Min	Min	3	3	3	3	3	3
Live Spindle Motor	主軸動力馬達	HP	HP	10/15 (30min)	10/15 (30min)	15/20 (30min)	15/20 (30min)	20/25 (30min)	20/25 (30min)
		kw	kw	AC 7.5/11 (a8)	AC 7.5/11 (a8)	AC 11/15 (a12)	AC 11/15 (a12)	15/18.5 (a15 HVI)	15/18.5 (a15 HVI)
Tool Shank Size	方形刀柄尺寸	mm / inch	mm / inch	32x32 / 1.26x1.26	32x32 / 1.26x1.26	32x32 / 1.26x1.26	32x32 / 1.26x1.26	32x32 / 1.26x1.26	32x32 / 1.26x1.26
Max. Tool Projection	最大內徑刀凸出距離	mm / inch	mm / inch	ID 175 / 6.89	ID 175 / 6.89	ID 175 / 6.89	ID 175 / 6.89	ID 175 / 6.89	ID 175 / 6.89
Tool Taper	攻牙刀具			No. 50 (BIG-PLUS)	No. 50 (BIG-PLUS)	No. 50 (BIG-PLUS)	No. 50 (BIG-PLUS)	No. 50 (BIG-PLUS)	No. 50 (BIG-PLUS)
Pull Stud	拉釘螺絲			P50T-1 (MAS403)	P50T-1 (MAS403)	P50T-1 (MAS403)	P50T-1 (MAS403)	P50T-1 (MAS403)	P50T-2 (MAS403)
C-Axis Feed Rate	C 軸進給速度	Deg/min	Deg/min						
Total Power Capacity	總電力	KVA	KVA	50(3-.208V)	60 (3-.208V)	60 (3-.208V)	100 (3-.208V)	150 (3-.208V)	180 (3-.208V)
Floor Space (LxWxH)	佔地面積	mm	mm	5075x3402x4650	5424x3727x5205	6182x4167x5700	6370x4300x5700	7120x6190x6239	
		inch	inch	199.8x133.9x138	213.5x146.7x204.9	243.4x164x224.4	250.8x169.3x224.4	280.3x243.7x245.6	
Machine Weight	機台重量	Kg / Lbs.	Kg / Lbs.	21000 / 46200	24000 / 52800	29000 / 63800	32500 / 71500	75000 / 165000	90000 / 198000