

# 5-AXIS MACHINE SPECIFICATIONS

MODEL	UNIT	LV-255U(L)	LV-320U(L)	LV-410U(L)
<b>ROTARY TABLE</b>				
Size of rotary table	mm	Ø255	Ø320	Ø400
Max. swing diameter (horizontal)	mm	Ø510	Ø590	Ø690
T-slot size	mm	14	14	14
Max. rotating speed of rotating axis	min <sup>-1</sup>	22	25	16.6
Degree of tilting axis	deg.	-120 ~ +40	-120 ~ +30	-120 ~ +30
Max. rotating speed of tilting axis	min <sup>-1</sup>	16.6	16.6	11.1
Max. table load	Horz.	kg	100	200
	Tilt	kg	75	100
Rotating / Tilting axis clamping method / Pressure		Pneumatic / 0.55~0.7MPa	Pneumatic / 0.55~0.7MPa	Pneumatic / 0.55~0.7MPa
Indexing accuracy	sec.	20"	20"	15"
Repeatability	sec.	6"	6"	6"
<b>3 AXES TRAVEL</b>				
X-axis travel	mm	500	600	700
Y-axis travel	mm	600		600
Z-axis travel	mm	600		600
<b>SPINDLE</b>				
Dist. from spindle to table surface (horizontal)	mm	50~650	50~650	50~650
Spindle nose taper		BBT40(ST) 、 HSK-A63(OP)		
Pull stud of spindle		BT(ST) 、 DIN(OP) 、 HSK(OP) 、 MAS BT(OP)		
Max. spindle speed	RPM	12000(ST) 、 15000(OP)		
<b>SPINDLE / SERVOMOTORS</b>				
Spindle motor	KW	11/15KW(ST) 、 15/18.5KW(OP) / Built-in spindle		
3 axes (X/Y/Z) motors	KW	4 / 3 / 4		
3 axes (X/Y/Z) rapid traverse rates	M/min	30 / 30 / 24		
Max. feed rate of cutting	mm/min	12000		
<b>3 AXES SPECIFICATIONS</b>				
3 axes (X/Y/Z) linear ways	mm	45 / 45 / 45 (6/8 blocks on Z-axis)		
Block type of linear way		Roller type linear way HIWAN SP Class / Schneeberger P Class		
3-axis transmission		D40mm / P10 screw transmission C3+ class		
<b>ATC (AUTO TOOL CHANGER)</b>				
Tool loading capacity		40T(ST) / 60T(OP)		
Max. tool diameter	mm	#40-70 、 HSK-A63-70		
Max. tool weight	KG	#40-7 、 HSK-A63-7		
Max. tool length	mm	#40-300 、 HSK-A63-300		
<b>OTHERS (Below data are obtained when the machine is under well air conditioned and stable operating conditions)</b>				
Positioning accuracy	mm	0.008		
Repeatability	mm	0.006		
Power source required	KVA	35	35	40
Air source required	Mpa	0.65 ±10%		
Machine weight	Ton	9.8	10.5	11.2

\* The series of machines can be equipped with 5 axes or 4 axes simultaneous controller (Fanuc, Siemens, Heidenhain)

\* As the machine manufacturer continuously conducts research and innovation on the machine structure and specifications, the above specifications are subject to change without prior notice.