

Specifications

Item		VL-12	VL-12M	VL-25	VL-25M	
Processing Capability	Maximum swing diameter	mm	1600	1600	3000	3000
	Maximum turning height	mm	1060	1290	1660	1800
	Maximum torque	Nm	20299	22411	31582	42031
Ball Screw	X-axis	mm	∅ 63* P12	∅ 63* P12	∅ 63* P12	∅ 63* P12
	Z-axis	mm	∅ 63* P12	∅63*P10	∅ 63* P12	∅ 63* P10
Worktable	Diameter	mm	∅1250	∅1250	∅2700	∅2700
	Maximum load	kg	5000	8000	20000	20000
	Rotating speed	rpm	2.8-280	1-350	1.6-160	1.6-160
	Inner diameter/outer diameter of bearing	mm	∅ 580 / ∅ 760	∅ 580 / ∅ 760	∅ 1028.7 / ∅ 1327.15	∅ 1028.7 / ∅ 1327.15
	Motor		α40 / 7000i	α40 / 7000i	α40 / 7000i	α40 / 7000i
	Motor output	kW	37/45	37/45	37/45	37/45
RAM	X-axis stroke	mm	1300	1300	2100	2100
	Z-axis vertical stroke	mm	1060	1000	1060	1200
	X-axis feeding speed	mm/min	0-10000	0-10000	0-8000	0-8000
	Z-axis feeding speed	mm/min	0-10000	0-10000	0-8000	0-20000
	Live tool speed	mm	—	40-3000	—	40-3000
	Cross-section	mm	220 x 220	230 x 230	220 x 220	230 x 230
Crossrail	Vertical stroke	mm	1000	1000	1500	1500
	Vertical speed	mm/min	400	400	400	400
Automatic Tool Change	Number of tools		8, BT50	6 holders+6 tools,ISO50	8, BT50	6 holders+6 tools,ISO50
	Tool holder size	mm	□32(□25), ∅32/∅40/∅50	□32mm,∅32/∅40/∅50	□32(□25), ∅32/∅40/∅50	□32, ∅32/∅40/∅50
Servo Motor	Worktable	kW	AC 37/45	AC 37/45	AC 37/45	AC 37/45
	Crossrail elevation	kW	AC 3.7	AC 3.7	AC 5.5	AC 5.5
	Hydraulic power	kW	AC 5.5	AC 5.5	AC 5.5	AC 5.5
	Table surface lubrication	kW	AC 0.37	AC 0.37	AC 0.37	AC 0.37
	Sliding rail lubrication	kW	AC 0.025 (2台)	AC 0.025 (2台)	AC 0.025 (2台)	AC 0.025 (2台)
	X-axis motor type	kW	α30i	α30i	α30i	α30i
	Z-axis motor type	kW	α40iB	α40iB	α40iB	α40iB
	Live tool motor	kW	—	15/18.5	—	15/18.5
Machine Dimensions	Width	mm	5280	5300	6250	6250
	Depth	mm	3730	3800	4590	4696
	Height	mm	5220	5300	6300	6410
	Weight	mm	18000	18000		30000
Electric Capacity	KVA	80	95	80	95	
Control System		FANUC 0iTf(PLUS)	FANUC 0iTf(PLUS)	FANUC 0iTf(PLUS)	FANUC 0iTf(PLUS)	
Positioning Accuracy	Positioning accuracy X/Z (C)mm/m		0.03	0.03(±7.5"/360°)	0.03	0.03 (±7.5"/360°)
	Repeating bi-directional accuracy (C)mm/m		0.015	0.015(±5")	0.015	0.015 (±5")