

Item \ model		Unit	Vturn-V560	Vturn-V560CV	Vturn-V760	Vturn-V760CV	Vturn-V1000	Vturn-V1000CM
Capacity	Swing over bed	inch	23.6"	23.6"	35.4"	35.4"	43.3"	43.3"
	Max. turning dia.	inch	22"	27.4"	29.9"	29.9"	43.3"	43.3"
	Max. turning length	inch	20.5"	20.5"	29.9"	29.9"	34.84"	34.84"
	Std. turning dia.	inch	18.5"	22"	25.8"	21.6"	32.67"	32.67"
Travel	X axis stroke	inch	11" + 5.1"	11" + 5.1"	15" + 1.6" (15" +1.1")	15" + 1.6" (15" +1.1")	19.6" + 1.6"	19.6" + 1.6"
	Z axis stroke	inch	21.3"	21.3"	31.5"	31.5"	33.46"	33.46"
Spindle	Max. spindle speed	rpm	2500	2500	2000	2000	1500	1500
	Spindle base speed	rpm	216	216	119	119	90	90
	Spindle nose	inch	A2-8	A2-8	A2-11	A2-11	A2-15	A2-15
	Spindle bore	inch	3.4"	3.4"	4.1"	4.1"	4.1"	4.1"
	Inner bearing (front)	inch	5.1"	5.1"	6.2"	6.2"	7.8"	7.8"
	Chuck diameter	inch	12" (Opt. 10"/15"/18")	12" (Opt. 10"/15"/18")	18" (opt. 15"/21"/24"/32")	18" (opt. 15"/21"/24"/32")	24" (opt. 28"/32"/36"/40")	24" (opt. 28"/32"/36"/40")
	Max. part weight	lbs	1263 lbs	1263 lbs	2567 lbs	2567 lbs	2755 lbs	2755 lbs
Turret	No. of tools	no.	8	8	12	12	12	12
	No. of live tools (opt.)	no.	8 (VDI-40)	8 (VDI-40)	12 (VDI-50)	12 (VDI-50)	12 (BMT-85)	12 (BMT-85)
	Tool shank size	inch	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"
	Max. boring bar dia.	inch	2"	2"	2-1/4" (2-1/2")	2-1/4" (2-1/2")	2-1/4" (2-1/2")	2-1/4" (2-1/2")
	Exchange time	sec.	1 hydraulic	0.2 servo	1 hydraulic	0.2 servo	1 hydraulic	0.2 servo
Feedrate	Rapid federate	ipm	591"/945"	591"/945"	787"	787"	787"	787"
	X axis ballscrew	inch	2" x 0.39"	2" x 0.39"	1.57" x P9	1.57" x P10	1.96" x P8	1.96" x P8
	Z axis ballscrew	inch	1.57" x 0.8"	1.57" x 0.8"	1.96" x P9	1.96" x P10	1.96" x P8	1.96" x P8
	Cutting federate	ipm	0 ~ 50 ipm	1 ~ 50 ipm	1 ~ 50 ipm	1 ~ 50 ipm	1 ~ 50 ipm	1 ~ 50 ipm
Motor	Spindle motor	Hp	20/25 (aP30i opt. 25/30 (aP40i)	20/25 (aP30i opt. 25/30 (aP40i)	25/30 (P40i) opt. 30/40 (α30i)	25/30 (P40i) opt. 30/40 (α30i)	30/40 (αP50i) Opt. 50/60 (α40i)	30/40 (αP50i) Opt. 50/60 (α40i)
	Gearbox		Optional	Optional	ZF gearbox (STD)	ZF gearbox (STD)	ZF gearbox (STD)	ZF gearbox (STD)
	X/Z axis servo motor	Hp	X:5.3, Z:5.3	X:5.3, Z:5.3	X:5.3, Z:9.3	X:5.3, Z:9.3	X:5.3, Z:9.3	X:5.3, Z:9.3
	Milling motor	Hp	5.3	5.3	9.3 (30i)	9.3 (30i)	9.3 (30i)	9.3 (30i)
Machine	Fanuc controller		Oi-TD	Oi-TD	Oi-TD	Oi-TD	Oi-TD	Oi-TD
	Coolant tank	Liter	185	185	300	300	400	400
	WxLxH (including chip conveyor)	Inch	60" x 128" x 115"	60" x 128" x 115"	80" x 155" x 134"	80" x 155" x 134"	99" x 164" x 140"	99" x 164" x 140"
	Power requirement	kVA	40	45	71	88	100	115
	Net weight	Lbs	13296	13296	26,015 lbs	26,015 lbs	35,274 lbs	35,274 lbs