

MACHINE SPECIFICATIONS *(Standard 50-Taper Machines)*

		VF3YT/50	VF-5/50 VF-5/50XT	VF-6/50	VF-7/50	VF-8/50	VF-9/50	VF-10/50	VF-11/50	VF-12/50	
Travels	X	40" 1016 mm	50" 60" 1270 mm 1524 mm	64" 1626 mm	84" 2134 mm	64" 1626 mm	84" 2134 mm	120" 3048 mm	120" 3048 mm	150" 3810 mm	
	Y	26" 660 mm	26" 660 mm	32" 813 mm	32" 813 mm	40" 1016 mm	40" 1016 mm	32" 813 mm	40" 1016 mm	32" 813 mm	
	Z	25" 635 mm	25" 635 mm	30" 762 mm	30" 762 mm	30" 762 mm	30" 762 mm	30" 762 mm	30" 762 mm	30" 762 mm	
	Spindle Nose to Table	7 - 32" 178 - 813 mm	7 - 32" 178 - 813 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm	5 - 35" 127 - 889 mm
	Length	52" 1321 mm	52" 62" 1321 mm 1575 mm	64" 1626 mm	84" 2134 mm	64" 1626 mm	84" 2134 mm	120" 3048 mm	120" 3048 mm	120" 3048 mm	150" 3810 mm
Table	Width	23" 584 mm	23" 584 mm	28" 711 mm	28" 711 mm	36" 914 mm	36" 914 mm	28" 711 mm	28" 711 mm	28" 711 mm	
	Max Weight on Table	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	4,000 lb 1814 kg	
	T-Slot Width	5/8" 16 mm	5/8" 16 mm	5/8" 16 mm	5/8" 16 mm	5/8" 16 mm	5/8" 16 mm	5/8" 16 mm	5/8" 16 mm	3/4" 22 mm	
	T-Slot Center Distance	3.15" 80 mm	3.15" 80 mm	4.92" 125 mm	4.92" 125 mm	4.92" 125 mm	4.92" 125 mm	4.92" 125 mm	4.92" 125 mm	4.92" 125 mm	
	Taper Size	#50 Taper	#50 Taper	#50 Taper	#50 Taper	#50 Taper	#50 Taper	#50 Taper	#50 Taper	#50 Taper	#50 Taper
Spindle	Speed	7,500 max rpm	7,500 max rpm	7,500 max rpm	7,500 max rpm	7,500 max rpm	7,500 max rpm	7,500 max rpm	7,500 max rpm	7,500 max rpm	
	Drive System	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head	2-Speed Geared Head
	Max Torque Standard	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500	450 ft-lb @ 500 610 Nm @ 500
	Bearing Lubrication	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection	Air/Oil Injection
	Cooling	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
	Spindle Motor Max Rating ¹	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW	30 hp 22.4 kW
	Max Thrust Rating	X 5,600 lb 24910 N	Y 5,600 lb 24910 N	Z 5,600 lb 24910 N	X 3,400 lb 15124 N	Y 5,600 lb 24910 N	Z 5,600 lb 24910 N	X 5,600 lb 24910 N	Y 5,600 lb 24910 N	Z 5,600 lb 24910 N	X 3,400 lb 15124 N
Axis Motors	Rapids	X 710 ipm 18.0 m/min	Y 710 ipm 18.0 m/min	Z 710 ipm 18.0 m/min	X 540 ipm 13.7 m/min	Y 600 ipm 15.2 m/min	Z 600 ipm 15.2 m/min	X 600 ipm 15.2 m/min	Y 600 ipm 15.2 m/min	Z 600 ipm 15.2 m/min	
		Max Cutting	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min	500 ipm 12.7 m/min
		Capacity Standard	30+1	30+1	30+1	30+1	30+1	30+1	30+1	30+1	30+1
	Tool Changer	Tool Type / Taper	CT or BT / 50	CT or BT / 50	CT or BT / 50	CT or BT / 50	CT or BT / 50	CT or BT / 50	CT or BT / 50	CT or BT / 50	CT or BT / 50
		Max Tool Diameter Standard (full / adjacent empty)	4" / 7" 102 mm / 178 mm	4" / 7" 102 mm / 178 mm	4" / 10" 102 mm / 254 mm	4" / 10" 102 mm / 254 mm	4" / 10" 102 mm / 254 mm	4" / 10" 102 mm / 254 mm	4" / 10" 102 mm / 254 mm	4" / 10" 102 mm / 254 mm	4" / 10" 102 mm / 254 mm
Max Tool Weight		30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg	30 lb 13.6 kg
Changer Type Standard		SMTC	SMTC	SMTC	SMTC	SMTC	SMTC	SMTC	SMTC	SMTC	SMTC
Tool to Tool (avg)		4.2 sec	4.2 sec	4.2 sec	4.2 sec	4.2 sec	4.2 sec	4.2 sec	4.2 sec	4.2 sec	4.2 sec
Chip to Chip (avg)		6.3 sec	6.3 sec	6.3 sec	6.3 sec	6.3 sec	6.3 sec	6.3 sec	6.3 sec	6.3 sec	6.3 sec
Accuracy	Positioning	±0.0002" ±0.005 mm	±0.0002" ±0.005 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm	±0.0003" ² ±0.008 mm
	Repeatability	±0.0001" ±0.003 mm	±0.0001" ±0.003 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm	±0.0002" ² ±0.005 mm
Miscellaneous	Machine Weight	15,900 lb 7212 kg	16,100 lb 16,650 lb 7303 kg 7552 kg	22,500 lb 10206 kg	24,500 lb 11113 kg	25,500 lb 11567 kg	26,500 lb 12020 kg	29,500 lb 13381 kg	30,900 lb 14016 kg	32,150 lb 14583 kg	
	Air Required	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	4 scfm, 100 psi 113 lpm, 6.9 bar	
	Power Required (min)	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC	200 - 250 VAC 380 - 480 VAC

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¹ 5-minute rating. ² Linear scales required to achieve accuracy listed.

NOTE: FLA/kVA requirements determined by motor horsepower. Check with your Haas distributor for various requirements. Differing VAC/kVA options available. Specifications subject to change without notice. Not responsible for misprints or typographical errors.