

Model		Unit	AV-510L	AV-610L	AV-850L	AV-1000L	AV-1200L	AV-1300L	AV-1600L	
Travels	X-Axis	mm	510	610	850	1020	1200	1300	1600	
	Y-Axis	mm	410	460	510		610	700		
	Z-Axis	mm	460	510	560		610	700		
	X/Y/Z Ballscrews	mm	C3 32		C3 40			C3 45		
	Spindle Nose to Table Surface	mm	130-590	120-630	150-710		150-760	BT 40: 130-830 BT 50: 100-800		
	Spindle Center to Column Surface	mm	430	553	608		717	750		
Table	Table Size	mm	600x320	800x450	1000x500	1200x500	1300x600	1450x700	1750x700	
	T-Slot (Size/Qty./Dist.)	mm	14x3x100	18x3x100	18x5x100			18x5x125		
	Max. Load on Table	kg	300	400	500		1000	1200		
Spindle	Spindle Speed	RPM	8000 (opt. 10K-24K)		8000 (opt 10K-15K)			8000		
	Taper		BT 40 / DIN 40 / CAT 40						BT40/DIN40/CAT40 (OPT. BT50/DIN50/CAT 50)	
	Spindle Drive		Belt Driven							
Feed Rates	Rapid Feed Rate, X/Y/Z	M/min	36/36/36						30/30/24	
	Cutting Feed Rate	mm/min	1-10,000							
ATC	Tool Capacity	pcs	Genoa 12 (Armless 20, w/ Arm 20)	Genoa 16 (Armless 20, w/ Arm 24)			Genoa 20 (Armless 24, w/ Arm 32)			
	Max. Tool Diameter	mm	Full=100, Next Empty=150							
	Max. Tool Length	mm	300							
	Max. Tool Weighth	kg	6							
Power	Spindle Motor	kw (HP)	3.5/5.5 (7.5HP)	5.5/7.5 (10HP)			7.5/11 (15HP)			
	Axis Motors	kw	1.5	2			3			
Coolant	Coolant Pressure	kg/cm <sup>2</sup>	10							
	Coolant Pump	HP	0.75							
	Coolant Tank Capacity	L	3							
Air & Power Supply	Air Source	kg/cm <sup>2</sup>	6							
	Power Supply	KVA	15				20			
Machine	Machine Dimensions (LxWxH)	mm	2000x2305x2460	2160x2435x2550	2900x2420x2850	2900x2420x2840	3448x2805x3044	3650x2915x3026	4050x2915x3026	
	Machine Net Weight (approx.)	kg	2800	4860	6880	6400	7610	8350	10,000	
	Machine Gross Weight (approx.)	kg	3000	5060	7080	6600	7810	8550	10,300	
Standard Features	Fanuc Controls		Included With all Models							
	Rigid Tapping									
	RS-232 Interface									
	Auto Power Off									
	Auto Lubrication									
	Halogen Work Light									
	End of Program Light									
	Heat Exchanger for Elec. Cabinet									
	Full Guarding Chip Enclosure									
	Remote Handwheel									
Spindle Oil Cooler										
Optional Accessories	High Pressure Coolant		Available With all Models							
	A/C for Elec. Cabinet									
	Coolant Through Spindle (CTTS)									
	Screw Type Chip Conveyor									
	Chain Type Chip Conveyor									
	Scraper Type Chip Conveyor									
	Oil Skimmer									
	Oil Through Tool Holder									
	Oil Mist Lubrication Pump									
4th Axis										