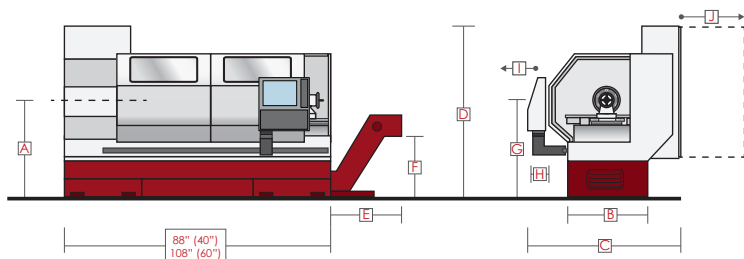


ET-TR SERIES SPECIFICATIONS		ET-16	ET-18	ET-21	ET-25
MACHINE CAPACITY	Swing Over Bed	16"	18"	21"	25"
	Swing Over Cross Slide	8.125"	9.125"	12"	16"
	Center Height	8.125"	9.125"	10.5"	12.6"
	Swing in Gap	N/A		N/A	
	Distance Between Centers	40" (60")		60" (80", 120")	
	Width of Bed	14"		14"	
	Width of Cross Slide	8.5"		8.5"	
	Cross Slide Travel (X)	10"		12"	12.5"
	Longitudinal Travel (Z)	37"		57"	
	Optional Travel (Z)	57"		80"	
	Ball Screw Size	1.625" Z - 1.00" X		1.625" Z - 1.00" X	
	Max Part Weight - Unsupported	500 lbs		800 lbs	
	Max Part Weight - Supported w/ S/R	1,500 lbs	2,500 lbs	3,000 lbs	
SPINDLE	Spindle Nose	Camlock D1-6	Camlock D1-6 (D1-8)	Camlock D1-8 (A2-11)	
	Spindle Bore	2.05"	2.05" (3.4")	3.40" (4.01")	
	Spindle Nose Taper	MT - 6		Straight	
	Spindle Motor HP (Peak)	10 HP		15 HP	
	Spindle Speed (RPM)	100 - 3,000	50 - 2,500	50 - 2,000	50 - 2,000
	Speed Ranges	Low 50 - 350		Low 50 - 300	
		High 100 - 3,000	High 350 - 2,500	High 300 - 2,000	
	Speed Selection	Single Gear Range	Auto Shift	Auto Shift	
TAILSTOCK	Quill Travel	5.0"	5.0"	5.5"	5.5"
	Quill Diameter	2.5"			
	Quill Taper Hole	MT-5			
PERFORMANCE	Positioning Accuracy	+/- 0.0002"			
	Positioning Repeatability	+/- 0.0001"			
	Rapid Traverse (X,Z)	400 IPM			
	Servo Type	AC Digital Brushless			
	Axis Thrust (Peak)	3,058 lbs. X 3,504 lbs. Z			
GENERAL INFO	Air Requirements	90 PSI - 5 CFM			
	Coolant Capacity	10 Gallons			
	Coolant Flow	2 GPM			
	Power Requirements	40 AMP			
	Voltage Requirements	208-240 VAC 3 PHASE (380-500 VAC Optional)			
	Shipping Dimensions* (WxDxH)	86"x72"x68"	86"x72"x68"	106"x76"x68"	106"x76"x68"
	Operating Dimensions (WxDxH)	86"x74"x68"	86"x74"x68"	106"x78"x68"	106"x78"x68"
	Machine Weight	5,000 lbs.	6,500 lbs.	7,500 lbs.	8,500 lbs.
	60" 6,000 lbs.	60" 7,000 lbs.	40" 7,000 lbs.	40" 8,000 lbs.	



	ET-16	ET-18	ET-21	ET-25
Floor to Spindle Center (A)	44"	44"	45.5"	47.5"
Floor Depth (B)	27"	27"	27"	27"
Overall Depth (C)	74"	74"	78"	78"
Maximum Height (D)	68"	68"	68"	68"
Conveyor Protusion (E)	30"	30"	30"	30"
Conveyor Height (F)	28"	28"	28"	28"
Floor to Console Height (G)	42.5"	42.5"	42.5"	42.5"
Console Depth (H)	9.5"	9.5"	9.5"	9.5"
Console Swing Radius (I)	16"	16"	16"	16"
Electrical Cabinet Swing Radius (J)	27"	27"	27"	27"

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 Specifications subject to change without prior notice.