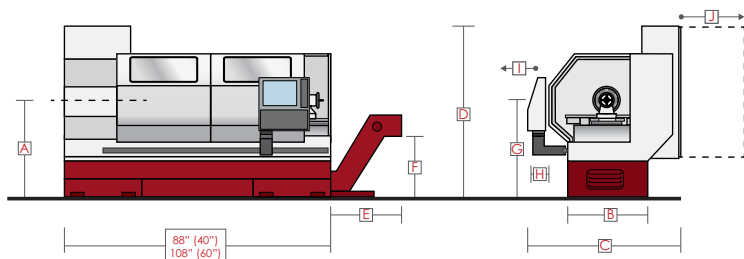


ET-TR SERIES SPECIFICATIONS		ET-16		ET-18		ET-21		ET-25	
MACHINE CAPACITY	Swing Over Bed	16"		18"		21"		25"	
	Swing Over Cross Slide	8.125"		9.125"		12"		16"	
	Center Height	8.125"		9.125"		10.5"		12.6"	
	Swing in Gap	N/A				N/A			
	Distance Between Centers	40" (60")				60" (40", 80", 120")			
	Width of Bed	14"				14"			
	Width of Cross Slide	8.5"				8.5"			
	Cross Slide Travel (X)	10"		10"		12"		12.5"	
	Longitudinal Travel (Z)	37"				57"			
	Optional Travel (Z)	57"				37", 77", 117"			
	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		MT - 6		Straight			
Spindle Motor HP (Peak)		10 HP		10 HP		15 HP			
Spindle Speed (RPM)		100 - 3,000		50 - 2,500		50 - 2,000 (1,500)			
Speed Ranges				Low 50 - 350		Low 50 - 300			
		High	100 - 3,000	High	350 - 2,500	High	300 - 2,000 (1,500)		
Speed Selection		Single Gear Range		Auto Shift		Auto Shift			
TAILSTOCK	Quill Travel	5.0"				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	35 AMP							
	Voltage Requirements	208-250 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.	



	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 Protrusion (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"