

# ETM-949, ELITE 9X49 VARIABLE SPEED MILL

894010

Elite offers World Class Mills fully loaded with features. When working on the design of the mills we focused our efforts on the most accurate spindle assembly to meet strict tolerance requirements. To improve the reliability and durability we went back and did things the old fashioned way, we hand scraped the ways to a minimum of 16-point per inch. For operator safety all Elite Mills have CSA/CUS approved electrics and all come with a spindle safety guard.



## FEATURES

- Industry leading spindle taper runout 0.00012" ensures strict tolerances
- Following strict guidelines and electrical requirements all ELITE Mills are CSA/CUS certified
- Hand scraped ways for greater oil retention and smooth movements
- Mill head rotates 90° left and right for added versatility
- Mill head articulates 45° up and down permitting precision angle milling
- The mounted control box houses major mill functions as well as an emergency stop button
- Stainless steel Y-axis way cover prevents damage to the hand scraped ways
- The electronic spindle brake, when activated, interrupts power to the spindle to prevent accidental start ups
- Patented copper alloy vari-disc key out performs standard disc keys providing up to ten times the wear resistance
- Class 7 spindle bearings have a lower operating temperature and increase accuracy
- Pre-loaded thrust bearings support the lead screws reducing backlash and axis movement providing higher tolerances and increasing accuracy
- Hardened and ground lead screws for added durability and increased precision
- Double nut adjustment mechanism virtually eliminates backlash
- Certified Meehanite® castings retain their tolerances and remain rigid through many years of machining
- Automatic lubrication every 30 minutes with a flow of 3-6 cc/cy reduces maintenance
- Standard Equipment
- Spindle Safety Guard

## RESOURCES

- [Brochure](#)
- [Manual](#)
- [View More Details](#)

## SPECIFICATIONS

Digital Readout	
Powerfeed	
Power Draw Bar	
Table Size (L x W) (In.)	9 x 49
Spindle Taper (In. x TPI)	R-8
Quill Diameter (In.)	3-3/8
Number of Spindle Speeds	Variable
Range of Spindle Speeds (RPM)	60 – 4,500
Quill Down Feed Rates (IPR)	0.0015 - 0.003 - 0.006
Spindle Travel (In.)	5
Head Movement (Deg.)	90° R & L 45° F & B
Max Distance Spindle to Table (In.)	18-3/4
Distance Spindle to Column (Max.) (In.)	21-2/5
Distance Spindle to Column (Min.) (In.)	6-1/2
Collet Capacity	1/8 - 7/8
Table Longitudinal Travel (In.)	35
Table Cross Travel (In.)	12

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