

Sharp Edge CNC Machine

When accuracy, finishing and time matters for CTC roller sharpening, 'Sharp Edge' is the answer.

Exclusive Features:

- Heavy, graded cast iron robust bed and guide ways with build in stiffness of the feed mechanism and excellent vibration damping characteristics.
- Widely spaced hardened and ground box guide ways on longitudinal and cross slides add to the structural rigidity.
- Anti-friction lining made of Turcite is pasted under all slide and guide ways for minimum friction and long machine life.
- Precision machining of all machine elements ensure perfect fits and clearance.
- Cartridge type A 2-8 Spindle and heavy duty chuck for CTC roller machining.
- Heavy duty spindle for milling cutter.
- Replaceable Carbide inserts for both Chasing and Milling operation, for minimise down time.
- Totally Enclosed machine area.
- Stainless Steel Telescopic guards for axis slides.
- Both axis fitted with frictionless Ball screw with double nut for slide movements and operated by Servo motors with rotary encoder.
- Automatic coolant system to provide coolant of tools when in operation.
- Automatic lubrication system to lubricate all slides and ball screws in regular interval.
- Fully programmable computerised numerical control system and servo drives designed with state of technology and build in reliability to ensure smooth, reliable operation with least chance of failure.
- World's renowned and most reliable CNC system.

Technical Details:

- Holding Capacity 7" to 13" Dia. and length up to 54" CTC Segment roller.
- Spindle A 2-8 with bore 75 mm and rpm maximum 2000.
- **Guide ways:**
 - Z-axis- 80x40 mm.
 - X- axis- 55x32 mm.
- Tail support with heavy duty roller bearing.
- Separate tool holder for Turning, Milling and Chasing operation.
- Milling cutter rpm 120 and turning or chasing rpm maximum 150.
- **Travel:**
 - Z-Axis (Longitudinal) travel -1370 mm and
 - X-axis (Cross) travel – 250 mm.

- Total power – 15 Kw max. Supply- 415 V AC, 3Ph, 50 Hz.
- Machine Foot Print:
 - Length- 3020 mm.
 - Width- 1660 mm.
 - Height- 1700 mm.

(Due to continuous process of product development, the design is subject to change without prior notice.)