



# SMART **AXIS**

*Auto CTC Roller Chasing Machine from TIG*

*High Quality Roller Sharpening  
Improves CTC Quality*

*Automatic, Simple and Economical  
Error free chasing*

*No Skilled Labour*



**T & I Global Ltd.**

At The Heart Of The Tea Industry Worldwide

# SMART AXIS

## A SMART CHOICE FOR THE PROGRESSIVE INDUSTRY

T & I GLOBAL presents SMART AXIS Fully Automatic Chasing machine – Unique concept developed through continuous efforts of our R & D Team.

SMART AXIS is a fully automatic chasing machine suitable for all sizes of CTC Rollers – 8.25" to 13' Dia and 30" to 52" Length. Both 8 TPI and 10 TPI chasing can be done using the normal 1" or 2" wide Chasers.

### Advanced and Salient Features

**FULLY AUTOMATIC :** Just set the CTC roller on the machine and start! SMART AXIS can be operated with semi-skilled operators with basic training. All functions such as Tool feeding, Retreating and Resetting are performed automatically. No need for highly skilled operator to achieve good quality chasing – job done automatically.

**PRECISION SHARPENING :** Quality of Chasing is much superior due to minimum dependence on operator skill. Accurate Chasing results in better cuts from CTC machine; also the heat generation is reduced.

**MAINTENANCE :** SMART Axis is simple and easy to maintain. Gears, Pinions & Bed are high precision and made from special steels to ensure long trouble free performance.



**DRIVES :** One Single motor operates both forward and reverse travel.

#### OPERATIONAL ECONOMY & SAVINGS

- Only ONE operator can handle both Chasing and milling operations.
- Semi skilled operator can operate the machine, in lieu of skilled operator
- Reduction in wastage of roller material since it eliminates need for repeated chasing and meshing for the correction of errors
- Faster chasing 15-20% time saving
- Minimum downtime



**ELECTRICAL:** A composite and compact control panel is provided for easy operation of the machine. AC variator drive provided to select roller RPM to get desired cutting speed.



**BED DESIGN :** High accuracy, hard chrome plated, longer life Liner Slides are used on the bed, saddle & cross slide assembly. No wear & tear as in cast iron bed.



Linear Slides

**VERSATILE :** SMART Axis can do chasing of CTC Rollers of all normal diameters upto 13" and upto 52" width CTC Machines.

#### OTHER FEATURES:

- Spindle RPM/Roller RPM indicator provided to know the cutting speed.
- Motor ampere indicator shows the cutting load and the condition of the tool (sharp or blunt)

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