

An ISO 9001:2015 Certified

Through feed Superfinishing Machine ARIHANT 1200 TF NC



Shock absorber rods & rocker rod

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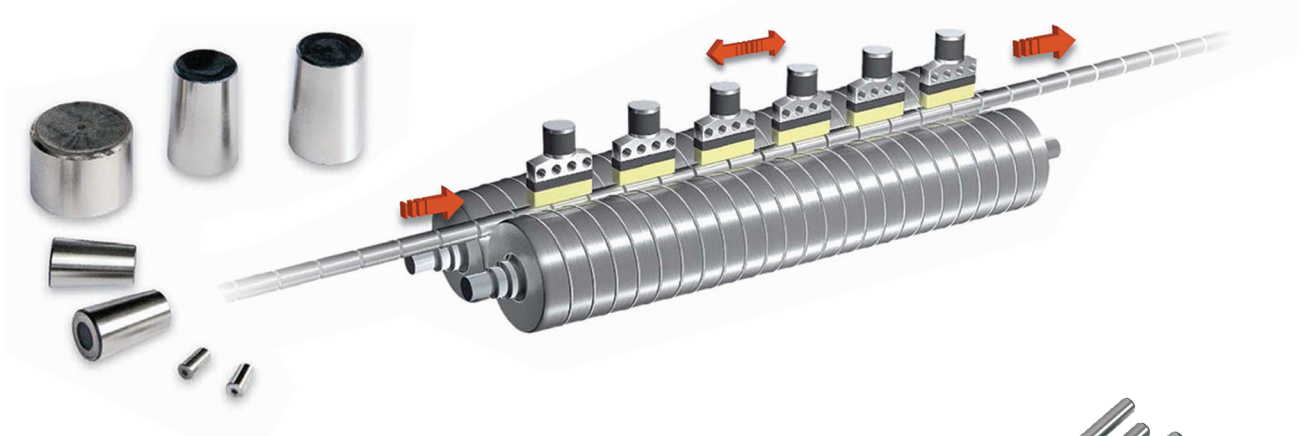
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**ARIHANT HONING & FINISHING
TECHNOLOGY (I) Pvt Ltd**

— AN ISO 9000-2015 COMPANY —



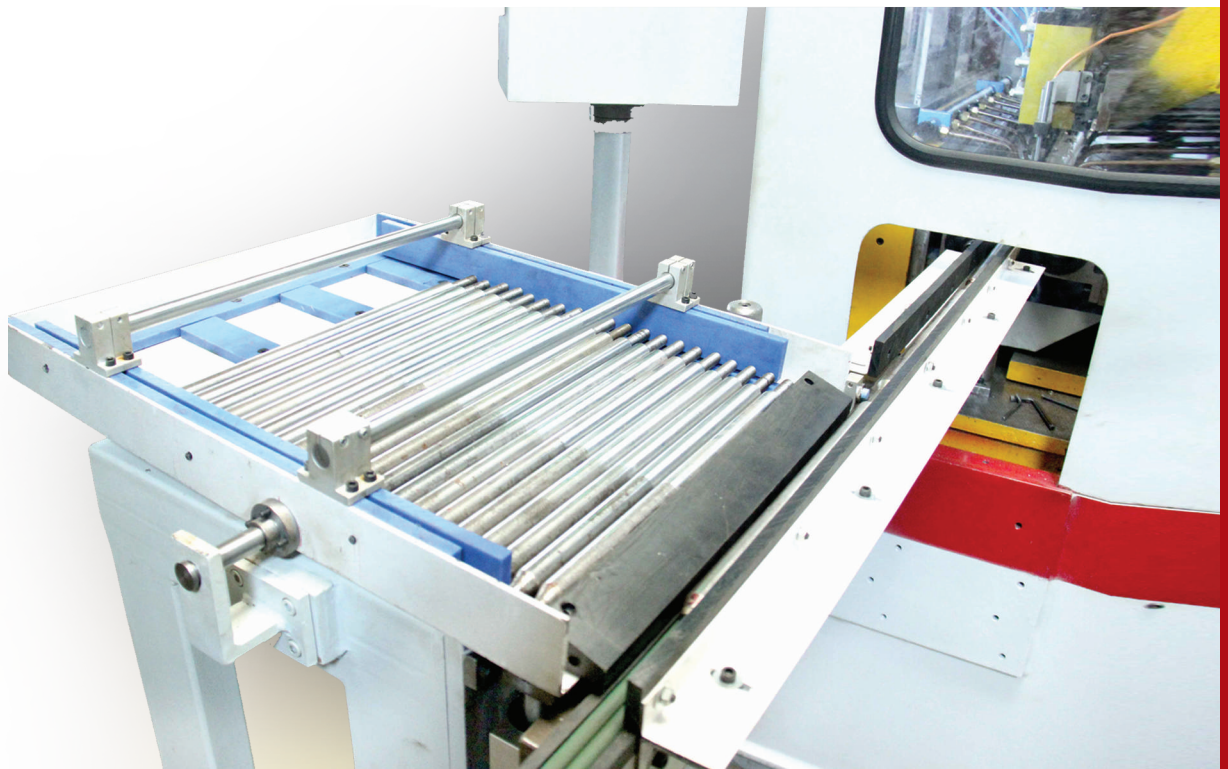
Superfinish

Machining of cylindrical rollers and tapered rollers

- Continuous Superfinishing process for high volume production of rollers
- Dynamically balanced mechanical oscillator
- Vertical Superfinishing unit adjustment for stone and roller change
- Optional superimposed stroke
- Connection of up to 12 stone guides with fast change system
- Infinitely adjustable and individually controllable stone pressure
- Stone wear indication supporting fully automatic operation
- Infinitely adjustable transport roller gap, optionally automatic
- Transport rollers with an effective length of 900 and 1200mm
- Profiled transport rollers available to generate specific workpiece geometries
- Automatic workpiece feed



	Arihant 500TF	Arihant 1200TF
Workpiece diameter	5-30mm	8-60mm
Workpiece length	upto 100mm	upto 400mm





Our system features - your benefit

Powerful mechanical oscillator carrying up to 12 stone guides

- High production output through large stock removal
- Long service life and low wear
- No undesired vibrations
- Short set-up time due to quick change systems and automatic vertical adjustment

Flexible transport roller adjustment

- Large working area
- The setting time can be further reduced by utilizing the optional NC adjustment

Transport rollers with an effective length of up to 1200 mm with optimized profiles

- Increased productivity with production speeds to 3 m/min and beyond
- Generation of fully crowned, cylindrical / convex and logarithmic workpieces

Safety and monitoring devices

- In case of stone wear, the machine stops automatically to avoid damage
- Parts with incorrect orientation or dimension can not enter the machine
- Operator supervision is reduced to a minimum

The Hone-Tech 900 TF & 1200 TF are the sprinters among the Super-finishing machines. Depending on the workpiece dimensions, multiple components per minute can be machined in the center-less through-feed process. At the same time, the highest demands regarding geometrical and surface quality are met.

Modular options available are designed for different levels

of automation. Through the intelligent use of NC controlled adjusting axes, very short set-up times are achievable. Transport rollers with an effective length of up to 1200 mm and specific profile designs open up new potentials.

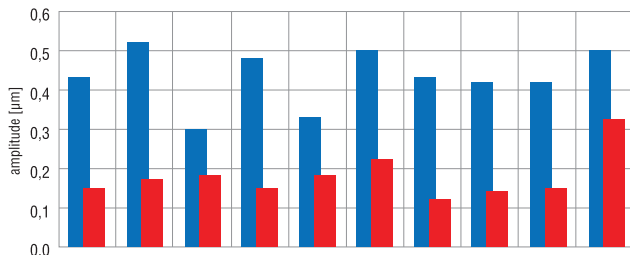


Cylinder rolls

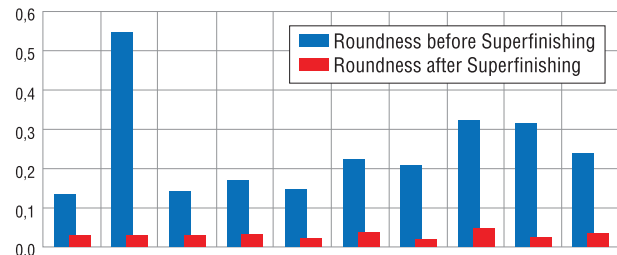


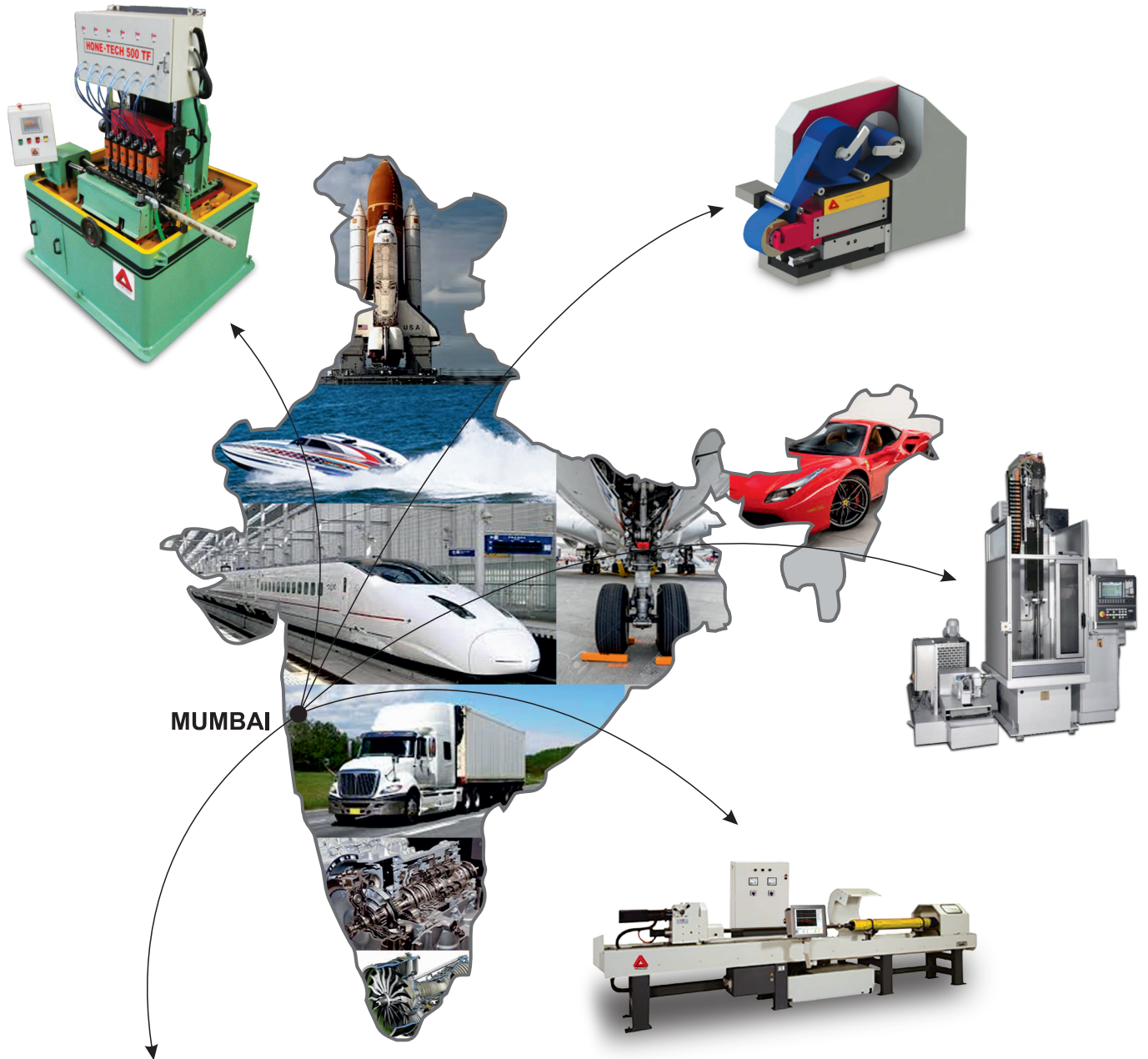
Roller \varnothing approx : 13 mm Roughness Ra : 0.04 μ m
 Length approx : 18m Production rate : 400 parts per min.

Roundness before/after Superfinishing (filter 1-15)



Roundness before/after Superfinishing (filter 15-500)





OUR OTHER PRODUCT

- ▶ VERTICAL HONING MACHINES
- ▶ HORIZONTAL HONING MACHINES
- ▶ HORIZONTAL TUBE HONING MACHINES
- ▶ SUPERFINISHING ATTACHMENTS WITH STONES
- ▶ SUPERFINISHING ATTACHMENT WITH FILMS
- ▶ SUPER FINISHING STONES & WHEEL
- ▶ SUPER FINISHING FILMS