



SHOT BLASTING

- ❖ Diameter -1200mm
- ❖ Length - 3000mm

HONING

- ❖ Diameter - 50 - 600mm
- ❖ Length-up to 3000mm

NICKEL PLATING / COPPER PLATING

- ❖ Length 1500mm
- ❖ Diameter 600 mm
- ❖ Larger dimensions on request



DEHYDROGENATE

- ❖ Length up to 6000 mm
- ❖ Diameter up to 800 mm
- ❖ Weight up to 15 tons

MEASURING INSTRUMENTS

1)	Chrome Plating Thickness Tester	Electro Physik	Germany
2)	Micrometer (0-1900)	Mitutoyo	Japan
3)	Roughness Tester	Mitutoyo	Japan
4)	Base Metal Hardness Tester	Time	China
5)	Roll Calliper	KM udyog	India
6)	UT Machine MODSONIC/EECI	MOD/EECI	India
7)	Salt spray Machine	ENVISYS	India
8)	Bore gauge	Mitutoyo	Japan



SONAK
Surface Technologies Pvt. Ltd.



EXPERT IN HARD CHROME PLATING, GRINDING,
SUPER FINISHING SHOT BLASTING AND HONING



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Since **1969**, Sonak Surface Technologies Pvt. Ltd. has specialized in **Hard Chrome Plating, Grinding, Super Finishing, Shot Blasting and Honing**. We have become a world wide supplier of high-precision plated components. The specialist knowledge that we have available today is the result of our years of experience in the field. Our continual effort to optimize the company's infrastructure ensures the best possible results for our clients .

- ❖ Hardness 62 - 70 HRC (750 - 1150 HV)
- ❖ Melting point 1850°C - 1900°C
- ❖ Plating thickness possible (up to 1mm)
- ❖ High wear resistance
- ❖ Good co-efficient of friction
- ❖ Good corrosion resistance
- ❖ Definable surfaces (from very fine to rough, from matt to high-gloss)
- ❖ Can be re-machined mechanically (Grinding and Polishing etc .)
- ❖ Work pieces can be re-conditioned several times
- ❖ Low processing temperature (geometrically precise parts are not warped)
- ❖ Very small to very large workpieces can be plated

Resistance:

- ❖ Hard Chrome Plating is resistant to virtually all chemicals with a few exceptions .

Base materials we can Hard Chrome Plate :

- ❖ All types of steel (including hardened , nitrated and stainless steel)
- ❖ Chill cast iron (all other types of casting)
- ❖ Copper



HONING MACHINE



BELT POLISHING MACHINE

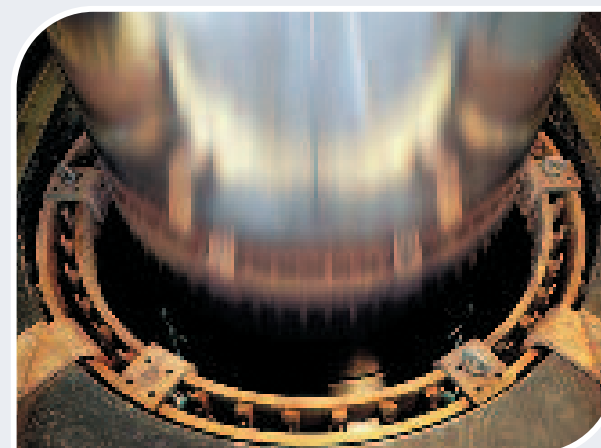


SALT SPRAY TEST MACHINE



Mechanical properties, from tolerances and also surface quality of rollers are crucial to the quality of an end product. You can gain a crucial edge over your competitors by choosing the right surface-treatment partner. We have made a name for ourselves worldwide as specialists in Hard Chrome Plating thanks to our state-of-the-art infrastructure and our specialist knowledge, gained over many years.

We can handle any challenge from matt to mirror-finish high gloss (Ra 10 micron to 0.05 micron). Size is no object for us either. We can treat work pieces with diameters up to 2,000 mm and overall lengths of up to 14000 mm



HARD CHROME PLATING

- ❖ Length up to 14000 mm
- ❖ Diameter up to 2000 mm
- ❖ Weight up to 20 tons
- ❖ Larger dimensions on request

GRINDING : WE ACHIEVE VERY CLOSE GEOMETRIC TOLERANCE

- ❖ Concentricity : 3 Micron
- ❖ Cylindricity : 3 Micron
- ❖ Taper : 2-3 Micron per meter
- ❖ Camber Profile : 2-3 Micron Station to Station Variation
- ❖ Length up to 10000 mm
- ❖ Diameter up to 1850 mm
- ❖ Weight up to 25 tons

