

Group of Company



BRAHMANI GRINDING & ENGINEERING
Roller and Rods Manufacturer Unit



BRAHMANI ELECTROPLATERS
Hard Chrome Plating Unit



VEER INDUSTRIES
Thermal Spray Unit

History of Brahmni Grinding & Engineering Company Founders

In year 1995, two young entrepreneurs came together and laid the foundations of a company which today is widely regarded as the leader in providing surface engineering solutions through use of modern technologies in field of surface engineering. For past 18 years our founders Vinod Patel and Bharat Patel have worked relentlessly to develop a wide range of applications for service life extension of critical components in Industry.

Strong Technical team

We are a team of qualified and trained technicians with an established track record are the backbone of our organisation.

Leadership position

Our comprehensive services combined with our dedication to minute details, concern for client satisfaction, aim for perfection and on time work completion record has given us the leadership position in the country's surface engineering industry.



SUDARSHAN GRAPHICS +91-79-25430560

BRAHMANI GRINDING & ENGINEERING

Office & Factory Address

Plot No. 23/A, Panchratna Estate,
B/s, Ramol Bridge, Nr. Ramol Police Chokey,
Ramol, Vatva, G.I.D.C., Ahmedabad - 382445.
Cell : 9879561275 / 98253 21275
Email : brahmni77@brahmni77@yahoo.com
response@mirror



www.mirrorroller.com / www.thermalspray-india.com

“SURFACE MODIFICATION **BETTER** WITH US”



BRAHMANI
GRINDING & ENGINEERING



INDUSTRIES ROLLER MANUFACTURER

OUR ROLL MANUFACTURING PROCESS HAS FOLLOWING FEATURES :

- **Uniform temperature gradient across the roll :**
For beting/Cooling Rolls our special internal construction ensuress very low temperature gradient across entire barrel length of the roll, resulting in uniform quality and thickness of sheet/film passing between the rolls,
- **Dynamic Balancing**
We use special manufacturing technique to ensure that the fabricated rolls are dynamically balanced to close tolerances, resulting in vibration free running.
- **Roll Surface Hardening :**
Using specialized techniques we produce a roll with a shell hardness of 60 HRC & Shell depth of 5 mm.
- **Grinding :**
We grind your rolls on precison german machines to produce geometric tolerance in the range of 3 to 5 microns.
- **Matt Finish :**
We can produce different surface roughness values (Ra Values ranging from 1-4 microns) in dull / bright finish, using different parameters
- **Embossing :**
We can produce different embossed finishes on the roll surface ranging from knurled/Diamnd as per party requirement design and etc.
- **Hard Chrome Plating :**
We have over 17 Years experience coupled with technology. to deliver you deliver you the best quality hard chrome plating of 62-65 HRC hardness & geed corrosion resistance.
- **Mirror Finish :**
Using specialized machine we can produce high gloss mirror finish of value 0.02 Ra

EMBOSING



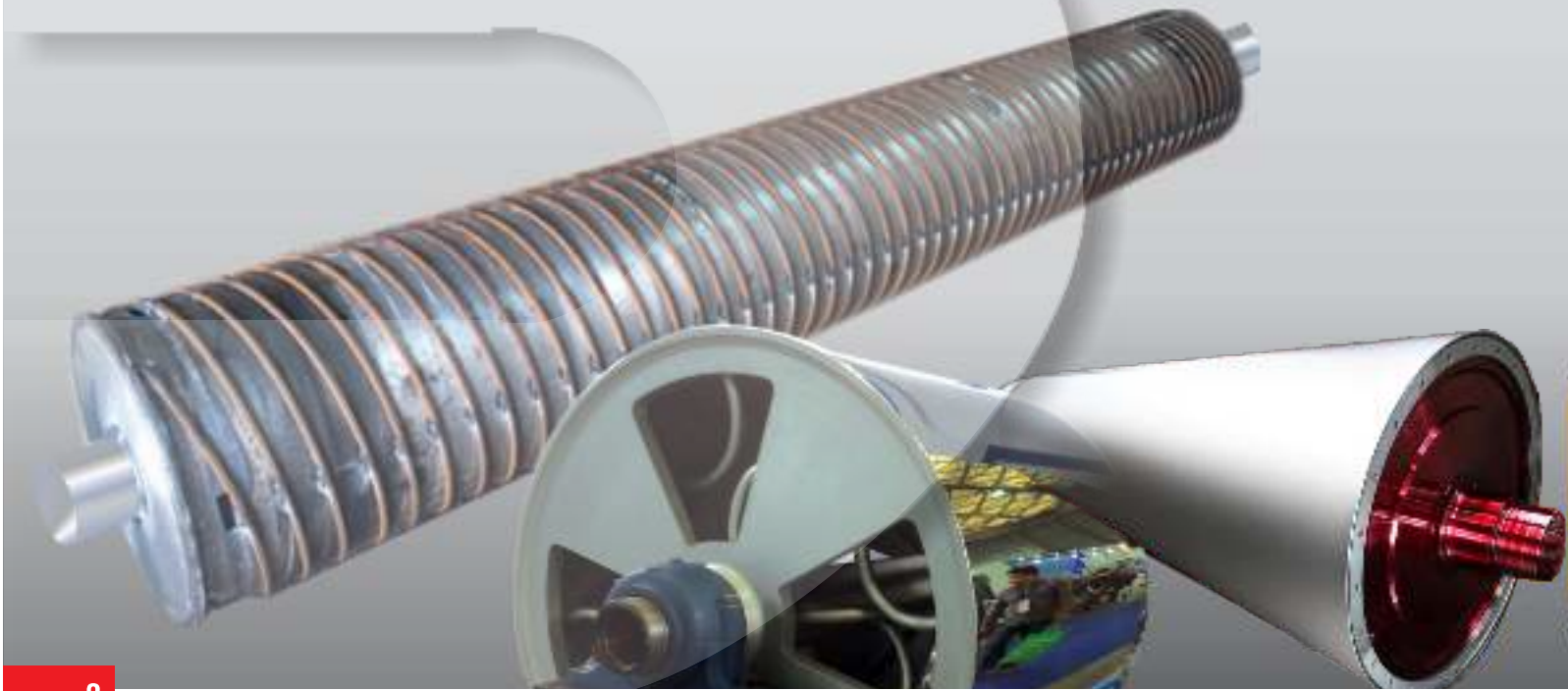
ROLL MANUFACTURING EXPERTS.

USING THE ABOVE SPECIALIZED MANUFACTURING TECHNIQUES,
WE CAN MANUFACTURE/REPAIR VARIOUS ROLLS FOR THE FOLLOWING INDUSTRIES:

- BOPP:- Chill Roll, Stretcher Roll, MDO Roll, Winding core
- Polyester:- Chill Roll Winding Core, Idler Roll/Guide Roll
- Laminate / Mica Sheet:- Doctor Roll
- Sanding Machine:- Mat finish Steel Roller
- Flooring:- Calendar Roll, Take Off Roll, Idler Roll/Guide Roll, Single/Double Jacket-Heating / Cooling Roll
- Sheet Line:- Polishing Roll Screw Barrel, Idler Roll / Guide Roll
- Coating Line:- Single/Double Jacketed Heating / Cooling Roll, Winding Core, Idler Roller / Guide Roll
- Lamination Line:- Single/Double Jacketed Heating / Cooling Roll, Idler Roller / Guide Roll
- Injection Moulding Machine:- Tie Bar, Ram Dies
- Tape / Yard Line:- Godet Roll, Idler Roll, Guide Roll
- Hydraulic :- Ram, Piston Rod, Ready Rod, Hone Tube
- Press Manufacturer:- Hydraulic Ram
- Steel Industries:- Bridle Roll, Deflector Roll, Pinch Roll(T.C.Coted)
- Paper Industries:- Dryer cylinder, Calender Roll, Rewinder Roll & M.G Cylinder
- Printing Industries:- Printing Cylinder, Copper Roll, Super Finish Roll
- Glass Industries:- Ceramic Coted Guide Roll, Embossing Roll and other components.

- GRINDING
- SUPERFINISHING
- HARDCHROME PLATING
- THERMAL SPRAY COATING

- Fabrication of new rolls.
- Heating / Cooling Rollers.
- Repairing of all types of rollers.
- Recoating of all types of rollers.
- Repair journal & Replacement Journal (Thermal spray coating)
- Dynamic balancing of all types rollers and on site balancing





TIE BARS AND PISTON RODS MANUFACTURER

All Types of Moulding Machine's Tie Bars/Tie Rods/Stand Rods/Guide Rods & Hydraulic Cylinder's Piston Rods

Material: EN-8 / C-45 / EN-19 / EN-24 or as per requirement.

Chrome plating thickness: As per requirement

Run out: 0.01 / 0.02mm

Straightness: 0.1 per meter max.

Surface finish : better then RA 0.2

Chrome Surface Hardness : 65 - 68 Hrc

We developed thread using CNC machines

We manufacture tie bars as per customer's drawing and specifications.



We provide Hard Chrome Plated Rods which are produced using advanced techniques, for induction hardening, Grinding, surface polishing, and then hard chrome plating. The finished product is a superior impact resistant bar ideal for high quality rods.

Hardness Of Chrome Plating Hrc 65 - 68

Minimum Hardness Depth at 0.025mm

Stocked in lengths as per requirement.

Cut to length sizes available

Custom sizes and chrome thickness available.

TECHNICAL CAPACITIES

Cranes Capacities 10 Tonnes

Grinding & Superfinishing Capacities

Min. :20 mm to 1200 mm /

Max. :1200 mm to 6500 mm

CNC Turning Capacities

Max. : 600 mm x 6000 mm





HARD CHROME PLATING TECHNOLOGY

THE PROCESS

Hard Chrome plating is an electrolytic method of depositing Chrome for engineering applications, from a Chromic acid solution. Deposits can be applied from 25 – 1,000 microns thickness for a wide range of applications. The thinner deposits being used to substantially increase the life of components in wear applications or corrosive environments, and the thicker deposits being used for salvage and repair of worn, damaged or mis-machined components. Hard Chrome is classed as a "COLD" process; the operating temperature of 50 – 60°C ensures no detrimental effects to the physical or mechanical properties of the base materials.

Hard Chrome can be deposited successfully and advantageously onto most metallic substrate materials.

THERMAL SPRAY COATING TECHNOLOGY

Thermal spray coating refers to a number of processes in which a substrate is coated to improve functional performance. Many types of coating materials can be applied by thermal spray processes. Coatings can range in thickness from a thousandth of an inch up to an eighth of an inch. Thermal spray coatings have been used to protect parts from wear, abrasion, corrosion, high temperatures, etc. and to build dimensions on undersized parts.

We are in the field of Surface Engineering with the use of thermal spray coating on paper Ind, Steel Ind, Power Plant, Camicals & Fertilizers, Oil & Gas, Refineries, Printing press, Textile, Plastic, Auto mobiles Ind.

We offer solution to overcome problems of Wear, Corrosion, Erosion, Abrasion and Thermal Conductive / Insulation. We also carry out Reclamation / Reconditioning of worn out parts / jobs by cold metalizing with complete Machining, Grinding & Super Finishing as per required size. By the use of Metalizing Process no mechanical and metallurgical deformation will overcome on the job.

Thermal spray Coating can be applied either on total surface or on selected area. To achieve the required surface property of Metals, Carbide, Ceramics, Stallite, Alloys, Copper, Bronze, Brass, Babbitt etc. are available.

We also carry out precise Machining and Grinding work at site on Heavy jobs, which cannot remove from the machine.

We have well trained and qualified team of Technician for doing the job at work side. They already had done the challenging and critical job at work site and our client's are satisfy with our quality and best services for work given to us.



BRAHMANI GRINDING TOTAL QUALITY COMMITMENT

We, at Brahmani Grinding, are comitted to maintaining the highest standards of quality, Our rigorous quality control system ensures that each and every process of our manufacturing cycle conforms to our stringent quality parameters.

In the quest for total quality, Brahmani Grinding has set up a unique facility for servicing of suction Roll shells and internals, under expert guidance of highly experienced professionals.

For quality we are going as per international standard and quality management. We never compromise with quality and that's our key way to get success in this industry. Very soon we will get ISO Certification for our company and will become the first ISO company in India who provides surface preparation Services.

The process on any job is done under the control of our Quality Control Department, which gives the perfect output of our worker's effort and put a happy smile on customer's face of satisfaction.



INDUSTRIES SERVED

- PAPER
- STEEL
- PLASTIC
- POLY FILM
- LAMINATING
- VINYL
- LEATHER
- PRINTING
- TEXTILE
- PLY WOOD
- GLASS
- FOOD
- ENGINEERING OTHER
- ALL INDUSTRIES.

