



AN ISO 9001 COMPANY

delight

CENTRIFUGAL CYLINDER LINERS, SLEEVES & BLOCKS

OFFICE :
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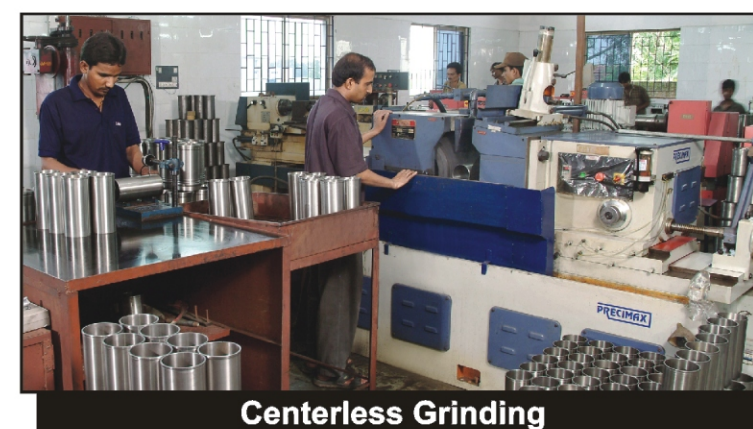


Anand Enterprise Inc.
100% EXPORT ORIENTED UNIT



We Promise 100% Quality Commitment

Manufacturing Facility





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Quality Control



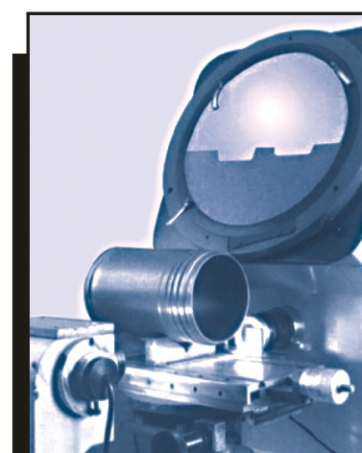
Spectrometer



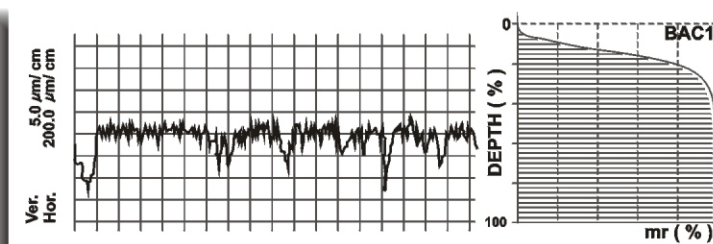
Inspection & Packing div.



Compound Optical Microscope



Profile Projector

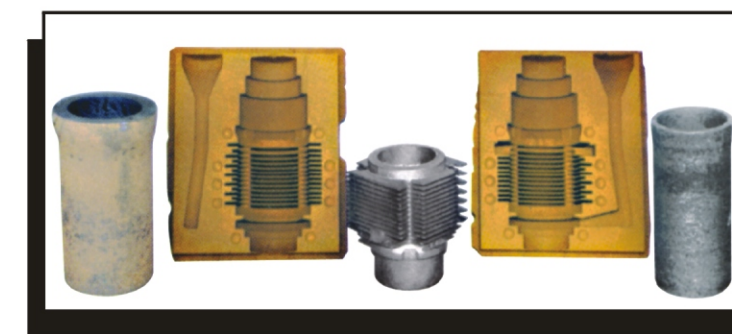


Special Purpose Microscope Type VW SPM 4
(Cylinder Liner Surface Honing
Texture Viewing & Photographing)



Surface Roughness Tester

Products





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Company Highlights

1. Company Name : Anand Enterprise Inc.

2. Establishment : 1980

3. Activity : Centrifugally Cast Cylinder Liners, Sleeves, Air Cooled Blocks, Valve Guides & Seats.

4. Employees : 260 (Group)

5. Quality System : ISO 9001 : 2000

6. Facility : All in house facilities
• Foundry shop
• Machine shop
• Inspection &
• Packing div.

7. Group of Companies : Anand Enterprise
J.J. Metal Craft Pvt. Ltd.
J.J. Auto Components (I) Pvt. Ltd.
Akbari International.

In House Facilities

Foundry Shop

- Induction Furnaces
- Centrifugal Casting Machines
- Core Shutter & Shell Moulding

Machine Shop

- Vertical Machining Centre
- Vertical Boring Machine
- CNC Turning Centres
- SPM Turning Machines
- Centreless & Cylindrical Grinding Machine

Quality Assurance Facilities

- Spectrometer
- Material Analysis Lab installed with Spectrometer
- Compound Optical Microscope
- C M M
- Profile Projector
- Surface Roughness Tester
- Air Guage
- Measuring Instruments

Our Capabilities

We offer more than 1500 types of the entire Range of Cylinder Liners, Sleeves, Air Cooled Blocks, Valve Guides & Seats for range/variants of :

AUSTIN, BMC, CHEVROLET, CITROEN, CUMMINS, DEUTZ, FORD, FIAT, HINO, HONDA, ISUZU, LAND ROVER, LEYLAND, MASSEY, MAZDA, MERCEDES BENZ, MITSUBISHI, NISSAN, OPEL, PERKINS, PEUGEOT, RENAULT, TOYOTA, VAUXHALL, VOLKSWAGEN, VOLVO, YANMAR ETC...

WE CATER TO PRODUCT CATEGORIES OF :

- CARS : COMPACT, MIDSIZE, LUXURY, SALOON & MPV
- TRUCKS : LIGHT, MEDIUM & HEVY COMMERCIAL TRUCKS
PICKUP VAN & UTILITY VEHICLES.
- TRACTORS : HEAVY LOAD, LIGHT LOAD.
- ENGINES : COMPRESSOR, MARINE & DIESEL

PRODUCTION CAPACITY :

- FOUNDRY : CENTRIFUGAL CASTING : 500 TON. / MONTH
- MACHINING : LINERS & SLEEVES : 1,00,000 Pcs. / MONTH

PARAMETER :

INTERNAL DIAMETER : 40 mm - 350 mm
OUTER DIAMETER : 45 mm - 375 mm
LENGTH : 65 mm - 600 mm

CHEMICAL COMPOSITION :

CHEMICAL	MINIMUM	MAXIMUM
Carbon	3.00	3.50
Silicon	1.90	2.50
Phosphorus	---	0.35
Sulphur	---	0.15
Manganese	0.60	1.00
Chromium	0.20	0.50
Moly	---	0.50
Copper	---	0.50
Nickel	---	0.50

HARDNESS (BHN)	MINIMUM 210	MAXIMUM 280
TENSILE STRENGTH	25 kgf / Sq. mm.	---
MICRO STRUCTURE	GRAPHITE TYPE	"A" & "B" ("D" & "E" RANDOM)
	FLAKE SIZE	4-6
	FREE FERRITE	LESS THEN 3%
	MATRIX	FINE LAMELLAR & SORBITIC PEARLITE

SURFACE ROUGHNESS (R. PROFILE For Honing)

Ra = 0.4 To 0.8 micron	Rpk	=	0.4 micron max
Rz = 4 To 7 micron (DIN)	Rvk	=	2 To 4 micron
Vo = A2 = 0.16 To 0.45	Rk	=	1 To 2 micron
	Rt	=	6 To 12 micron
	Mr 1	=	Less than 10 %
	Mr 2	=	70 % To 85 %

Anand Enterprise Inc.

