

# MOVE AHEAD

by reducing cost of maintenance

Completed  
**32 Years**  
of Engine Repair

**ONSITE**  
**ANYWHERE**



Repair & Maintenance of D.G. Sets  
In-situ Machining | Refurbishment | Spares | Overhauling

**RA**

**POWER SOLUTIONS**

RA POWER SOLUTIONS PVT. LTD.

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## 24x7 Services Across the Globe

Get the services from RA Power Solutions Pvt. Ltd. 24 hours a day. Engineers with portable tool and equipment will travel at short notice to any location in the world and fix problems at both marine or land based sites.

## On-site Crankshaft Grinding

After an experience of more than two decades in this field, we have introduced a new range of Crankshaft repair on-site machine, which is capable of reducing the Crankshaft repair time by almost 40%. For any industry, the repair time is a major factor. By introducing this new generation equipment, the down time of the engine is reduced considerably.

## Line Boring and Repair of Engine Block on-site

In-situ line boring of large Engine Blocks, Compressors, Gear Boxes etc. is undertaken by us. We have specially designed and developed the in-situ line boring equipment supported with skilled personnel for executing the line boring repairs.

## Rehabilitation of Connecting Rod

We undertake repair of Connecting Rods on DRDO supported boring machine and ensure straightness of the connecting rods.

## Diesel Engine Repair

We specialize in providing on & off-site repair and troubleshooting services for Industrial and Marine Diesel Engines. Our services include major repairs, overhauling, rebuilds and other tasks, which are essential for the maintenance of Engines and Generators.

All repairs follow a standard procedure of dismantling, chemical cleaning, inspection, reconditioning & assembly of the engine as per respective manufacturer's recommendations.

## Metal Stitching

Metal stitching is a cold process; no distortion or thermal stress is induced. Metal Stitching 'locks', 'master-locks' and 'plugs' are imported from U.K.

## Rebabbitting

Rebabbitting of large and small size bearings is undertaken on centrifugal babbitting machine, which is specially designed to ensure uniform layer of white metal and high quality of babbitting.

## Spare Parts

Our principals in U.K. and Singapore are connected online with us which guarantees the efficient handling of all orders. Expertise in arranging air and sea freight along with customer oriented services ensure that your requirement is met in shortest possible time and at competitive prices too.

We have ready stock of standard and undersize bearings with guaranteed minimum life of 7500 hours.

## Quality System

Recognizing the importance of Quality, RA Power Solutions Pvt. Ltd. follows the service procedures, which are accredited by the manufacturers, as well as those accepted by various international classification associates.

## Our in-situ Facilities

- Straightening, grinding and complete repair of Crankshafts.
- Metal stitching of damaged Castings.
- On site line boring of Engine Block and Gear Box.
- Supply of Standard and Special Size Bearings and Spares etc.
- Repair of Connecting Rods, Cylinder Liners Heads etc.
- Overhauling and repair of Engine.
- All non-destructive tests at site.



# Leading Manufacture of Babbitt & Rebabbing Bearing



RA Power Solutions has got vast experience of over three decades in Rebabbing of Bearings and manufacturing of new Babbitt Bearing, White Metal, Tri Metal, Bearings with Guarantee and have provided services to Companies based in India, Qatar, Dubai Maldives, Srilanka etc.

We have been approved and recommended by major Engine, Turbine Motor, Pump manufacturers across the world and we are the market traders in manufacturing of White Metal, Tri Metal Bearing and Rebabbing of old Bearing.

Our Company's slogan is SINCERIETY

**Quality With  
Utmost Precision**

**POWER SOLUTIONS**

**RA**

[www.rapowersolutions.com](http://www.rapowersolutions.com)  
[www.rebabbingbearing.com](http://www.rebabbingbearing.com)

**RA Power Solutions Pvt. Ltd.**

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## • We offer following services for Babbitt Bearing :•

- ★ Rebabbiting of old, worn out Bearing.
- ★ Manufacturing of new Babbitt Bearings.
- ★ Manufacturing of Tri-metal Bearings of thin shell type.
- ★ Manufacturing and supply of new white metal Babbitt Bearings as per sample or drawing.

## • Rebabbiting Facilities :•

- ★ Centrifugal casting of white metal up to 1500 mm. Inner Diameter.
- ★ Certified ASTM grades of Babbitt material is used.
- ★ In-house ultrasonic Testing done by qualified level three technicians.
- ★ Magnetic particle test and hardness test of shell are done before and after rebabbiting.
- ★ Final Inspection reports prepared. All procedures meet or exceed OEM specifications manufacturing of Babbitt Bearing & Rebabbiting of old Bearings.

## • Following is our range of Babbitt Bearings :•

Motor Bearings | Fan Bearings | Pump Bearings | Turbine Bearings | Generator Bearings | Thrust Bearing  
Thrust shoes compressor Bearings | Slide shoes | Trunnion Bearings | Crossed Bearings | Engine Bearings  
Compound tapered land thrust plates

## • Quality of Rebabbit Bearing :•

Quality assurance and control is our first priority

Babbitt Bearings of all types are centrifugally cast and machine to meet or exceed the original manufacturer's specifications.

Bearing shells are carefully examined for mechanical flaws, cracks and hard spots. Our experience technicians use ultrasonic testing, MPT inspection to guarantee babbitt-to-shell bonding Babbitt Bearing

We believe in use of genuine white metal sourced from reputed manufactures based in India and abroad.

## • In-situ Repair Services-We also offer following services :•

- ★ On Site Crankshaft Grinding
- ★ In Situ Line Boaring of Engine blocks.
- ★ On Site Metal Stitching and Metal Locking.
- ★ Thermal Spray and rebuilding of Crankshaft, Rotar, Alternator, Pump Shaft.
- ★ On Site repair of Turbine, Rotor Shaft, Alternator, Journal.
- ★ Connecting Rod Repair.
- ★ On Site Inspection of Engine and Spares.
- ★ Diesel Engine Overhauling & Repair.



Motor Bearing



Motor Bearing  
Assembly



Half Ring  
Assembly



Alternator Bearing  
Diesel Generator