



TIME
FUTURETECH

SINTERED METAL COMPONENTS

TIME FUTURETECH, Est. 2015 is a new technological diversification by foundry veterans **LALKRUPA GROUP** and **JADESHWAR FOUNDRY, RAJKOT**, having a combined experience of more than 60 years in the iron casting and machining industry for the diesel engine sector.

The new sintering facility is based on National Highway 8-B, 150 ft Ring Road, RAJKOT. A total working area of approx. 17000 square feet, it is a modern industrial setup.

The beginning of this new venture took place with

“BEST QUALITY AT BETTER EFFICIENCY” as its core value.

The upcoming time is an era of sustainable industrial techniques.

Powder metallurgy is one of the leading manufacturing options in the metal components sector that involves **ZERO ENVIRONMENTAL POLLUTION**. It is also given a world renowned logo:



Our vast experience in foundry and machining industry has helped us cultivate very essential skills necessary to deliver the satisfaction our clients deserve.

AREAS OF EXPERTISE:

- **CAD Solutions** – Technical Drawing and Interpretation
- **Metallurgy** – Thorough knowledge of Metals and their Properties
- **DIE Design** – Capability to produce Precise Dies & Tooling without delays
- **Process Efficiency** – The Key to Successful Manufacturing Line-ups
- **Precision** – Understanding Importance of Maintaining Tolerances
- **Accuracy** – Quality check at every stage of manufacturing
- **Supply chain management** – The client can depend on us
- **Customer Satisfaction** – It is our driving force

FACILITIES:

POWDER STORAGE – We understand the importance of Raw Material Integrity. We have special dry zone for storage of metal powders.

MIXER – Double-cone powder mixer designed according to international standards.

POWDER COMPACTING PRESS – At present, we have 20Ton & 40Ton Mechanical powder compacting press. High production rates can be achieved. We also have 250Ton Hydraulic powder compacting press for high strength complex parts.

SINTERING FURNACE – State of the art furnace, from the same manufacturer that supplies furnace to GKN SINTER METAL / MAHINDRA SINTER PVT LTD(MSP). The sintering quality is one of the best in the world.

NITROGEN PLANT + AMMONIA CRACKER – We have in-house nitrogen generation facility to produce best quality sinter parts.

OIL IMPREGNATION –Oil impregnation facility for producing high quality self-lubricating bearings/bushes.

BUSINESS INTERESTS:

Our prime focus is to convert metal components from conventional inefficient manufacturing processes to the high efficiency PM process.

Along with seeking established PM parts to manufacture, we are always keen on developing parts that do not exist in the PM process yet.

Example of such parts:

- | | |
|----------------------------------|--------------------|
| 1. Stove burner cap | :SUCCESSFULLY MADE |
| 2. Yarn spinning spindle bolster | :SUCCESSFULLY MADE |
| 3. Self-priming pump impeller | :UNDER DEVELOPMENT |
| 4. Scroll compressor scroll | :UNDER DEVELOPMENT |



PRODUCTS:

AUTO PARTS



SELF LUBRICATING BUSHES



GEARS



OIL PUMP ROTORS



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