



## L.G. BALAKRISHNAN & BROS LIMITED

LGB/SEC/STK-BM-2023

21.06.2023

<b>BSE Limited</b> <b>Phiroze Jeejeebhoy Towers,</b> <b>Dalal Street,</b> <b>Mumbai - 400 001</b>	<b>National Stock Exchange of India Limited</b> <b>"Exchange Plaza"</b> <b>Bandra Kurla Complex</b> <b>Bandra (E)</b> <b>Mumbai - 400 051</b>
Scrip Code: <b>500250</b>	Scrip Code: <b>LGBBROSLTD</b>

Dear Sirs,

**SUB: Disclosure under Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 - Outcome of Analyst / Institutional Investor(s) meet held on June 21, 2023.**

With reference to our letter dated June 19, 2023 and in terms of Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we wish to inform you that the management had a meeting with the Analyst / Institutional Investor(s), **today, June 21, 2023 (Wednesday)** and it may be noted that no Unpublished Price Sensitive Information (UPSI) was shared / discussed with the Analysts during the meeting.

A copy of presentation made today in the Analyst / Institutional Investor(s) meet is attached herewith.

The above information will also be available on the website of the Company: [www.lgb.co.in](http://www.lgb.co.in).

Kindly take the same on record

Thanking You,

Yours faithfully,

**FOR L.G.BALAKRISHNAN & BROS LIMITED**

**M.LAKSHMI KANTH JOSHI**

**SENIOR GENERAL MANAGER (LEGAL) & COMPANY SECRETARY**

Regd. Office : 6/16/13, Krishnarayapuram Road, Ganapathy, Coimbatore - 641 006, Tamil Nadu, India.  
CIN : L29191TZ1956PLC000257 Ph : (0422) 2532325 E-mail : info@lgb.co.in www.lgb.co.in

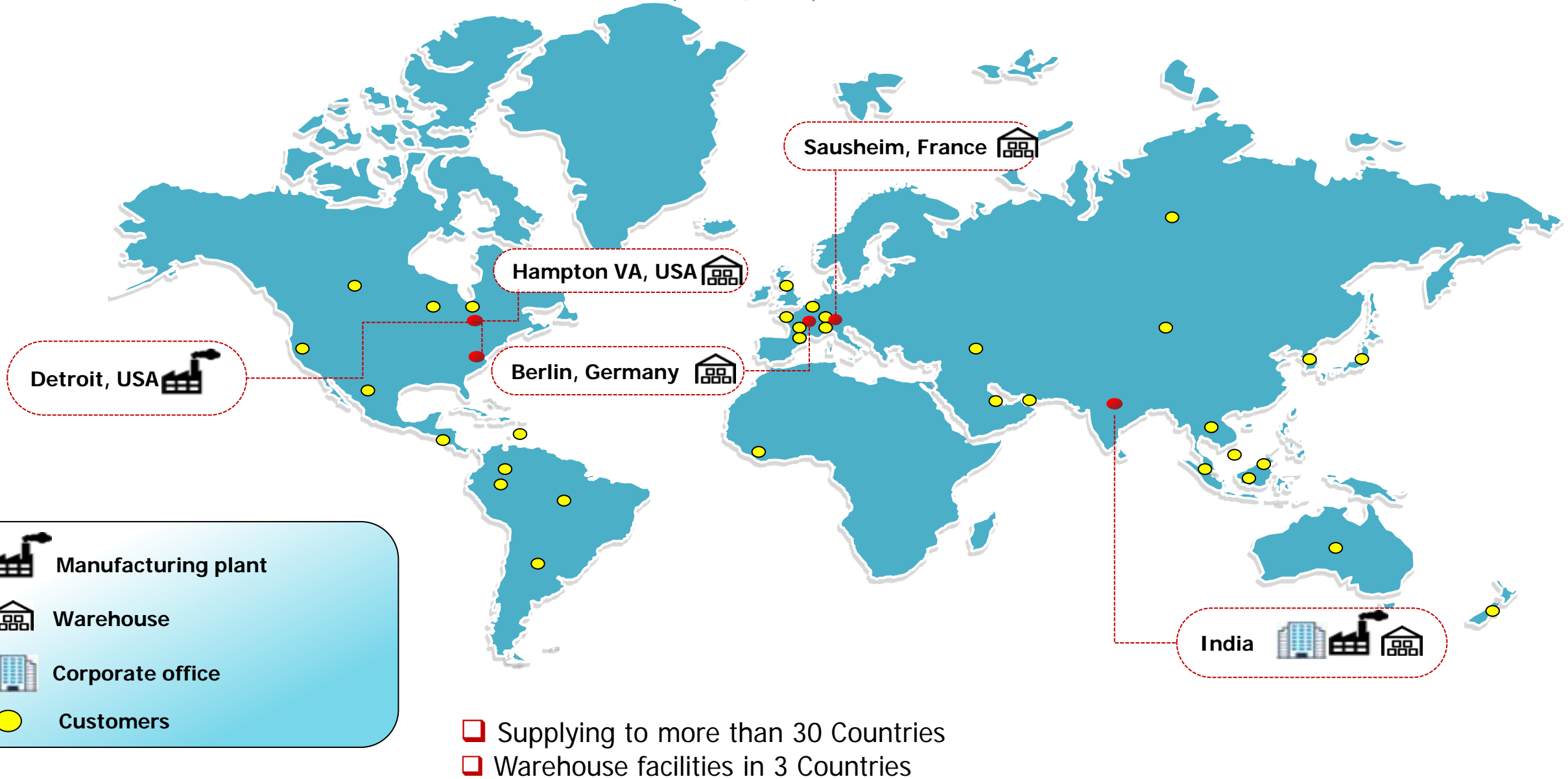
# ABOUT LG BALAKRISHNAN & BROS LTD



- **Established in 1937**
- **Current Turnover : 275 USD Mill**
- **Manufacturing Plants: 27 Manufacturing Plant in India and 1 Plant in Michigan-USA.**
- **Products: Automotive & Industrial Chains, Sprockets, Tensioners, Fine Blanking, Forging, Precision Machined Parts, Rubber Parts, Engine assembly and Sub-Assemblies.**



# MANUFACTURING PLANTS, WAREHOUSES & CUSTOMERS ALL OVER THE WORLD



# MANUFACTURING PLANT, BRANCHES & WAREHOUSES



Manufacturing plant  
 Warehouse  
 Regional sales office  
 Corporate office

# LGB – FINE BLANKING DIVISION

## CORE COMPETENCIES



Fine blanking parts thickness	<b>1.20mm to 12mm</b>
Fine blanking press available range	<b>100 ton to 1000 ton</b>

### FINE BLANKING PRESSES

Tonnage	No. of Presses
100	1
160	1
200	1
250	9
320	2
400	10
650	3
710	1
1000	1
<b>Total</b>	<b>29</b>

### SPECIAL PROCESSES

#### WELDING

- Plasma Arc Welding
- MIG Welding
- TIG Welding
- Spot Welding
- Rotary Welding

#### SURFACE COATING & PLATING

- Zinc Nickel Plating
- Zinc Plating
- Manganese Phosphating
- Zinc Phosphating
- Nickel Plating
- PTFE Coating
- Blackening
- MoS<sub>2</sub> Coating

#### HEAT TREATMENT

- Carbo Nitriding
- Case Carburizing
- Through Hardening
- Nitro Carburizing
- Induction Hardening
- Induction Softening
- Liquid Nitriding

#### MOULDING

- Plastic Over Moulding
- Rubber Over Moulding



## Fine Blanking Capabilities

Multiple small slot piercing with Forming apart from Blanking and Piercing of multiple holes

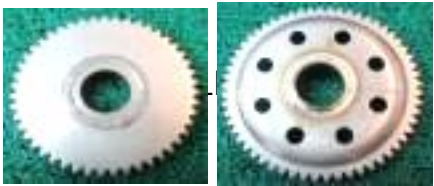


## Sub-Assembly Capabilities



## Welding Capabilities

PLASMA WELDING



MIG WELDING



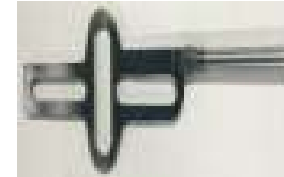
TIG WELDING



SPOT WELDING



ROBO WELDING



## Plastic Over-Moulding Capabilities



## Plating Capabilities



Zinc Plating

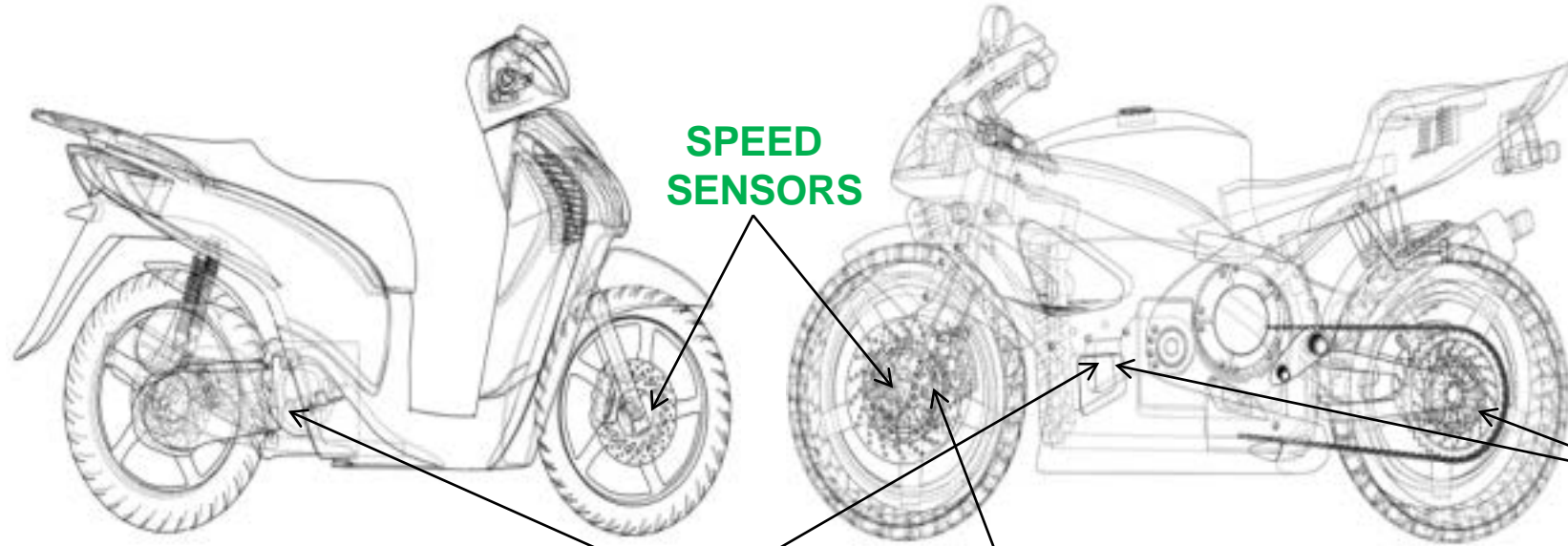
Nickel Plating

Molybdenum  
Coating

MoS2 Coating

Manganese  
Phosphating

# TWO - WHEELER PARTS SEGMENT



FACE COM DRIVE GEAR



ENGINE SPROCKET



BRACKET



RING PULSAR SPEED SENSOR



STARTER GEAR



GEAR KS DRIVE



INDEX GEAR ASSLY



PLATE CLUTCH HOLDER



REAR SPROCKETS





# PASSENGER VEHICLE PART



GEAR HEIGHT ADJUSTER & LATCHES



SEGMENTS



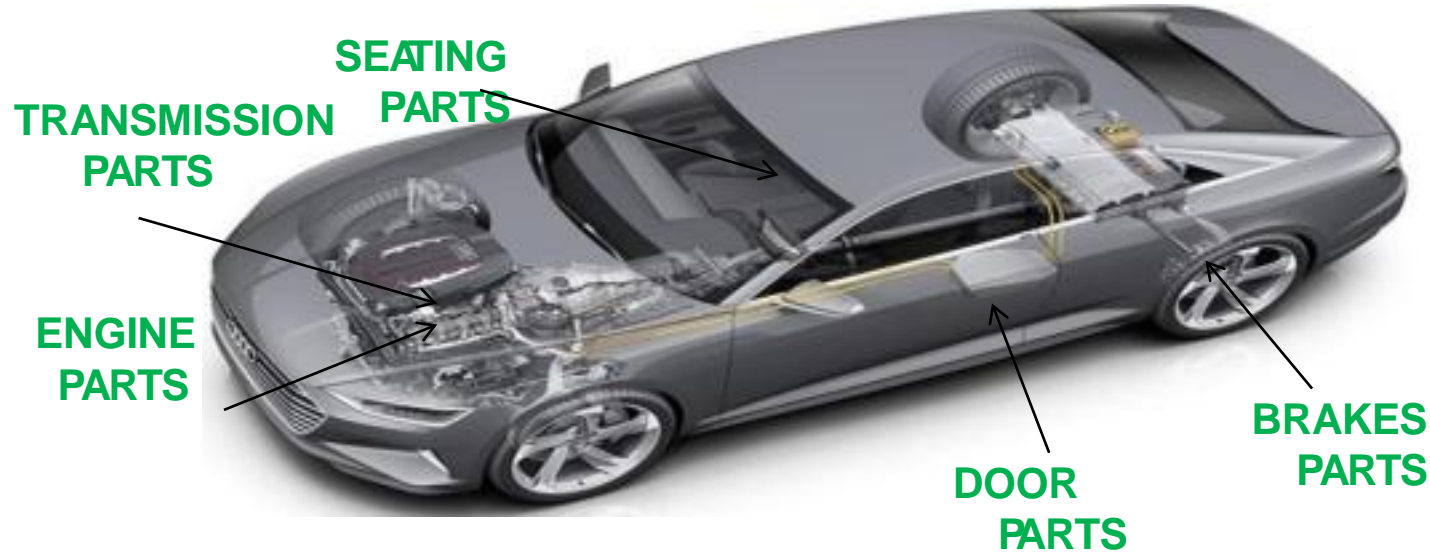
SEAT TONGUE PART



GEAR SHIFT INTERLOCK



AUTO ADJUSTER ASSLY



HOLDER CAM RVS  
SHIFT



ENGINE TIMING  
SPROCKET



PAWL



RATCHET



FRONT, LOCKING & SEALING COVERS  
FOR VTC



# COMMERCIAL VEHICLE PART SEGMENTS



STACK PLATES



FRICTION SPACERS



GEAR SHIFT RAIL



GEAR  
SHIFTER  
PARTS

CLUTCH PARTS

BRAKES  
PARTS



GEAR SHIFT LEVER



CLUTCH DISC



CLUTCH BODY



LOCKING LEVER



SHIFTING INTERLOCK



BEARING PLATE



RELAY LEVER

# TEXTILE MACHINERY PARTS





## **DOUBLE DISC GRINDING - CNC CONTROL :-**

- Part Flatness – 0.010 – 0.015 mm  
Can be achieved



## **ROBOTIC WELDING**

- Part Welding – Weld Penetration
- . Vibration Test in welded parts – 300 hours
- Part Symmetry 0.20mm
- Parallelism – 0.20 mm



## **ULTRASONIC CLEANING WASHING MACHINE – DURR – GERMANY - 3 TANKS PROCESS :-**

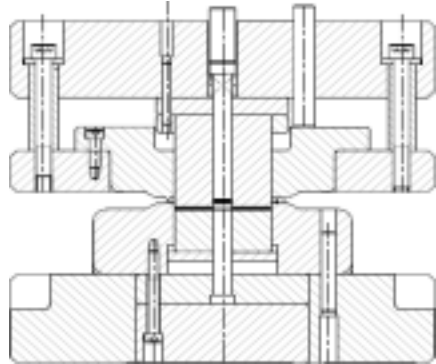
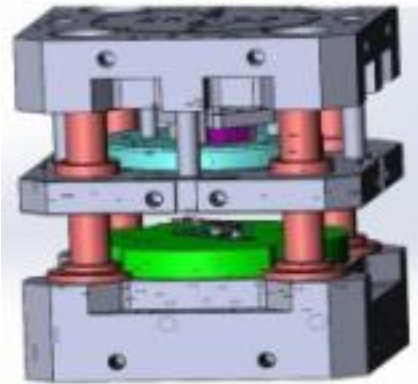
- Part Processing – Pre washing / Final Washing /

Preservation ( Rust preventive ) –  
Without rust preventive oil and part will  
withstand  
9 months without rust.

# LGB – FINE BLANKING TOOL MANUFACTURING – IN HOUSE



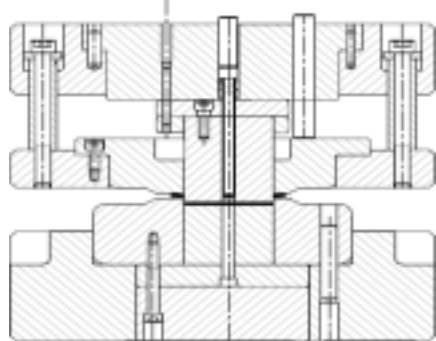
## TOOL DESIGN :- 3D MODEL / ACAD



## COMPOUND TOOL :-



## PROGRESSIVE TOOL :-



## TOOL MANUFACTURING:-



MAKINO CNC MILLING



MITSUBISHI CNC EDM  
(SPARKING)MACHINE:



SODIC CNC WIRECUTTING  
MACHINE

# LGB – GEAR DIVISION



**L. G. BALAKRISHNAN & BROS LTD**  
**S.F. No. 225-227/1, 2 & 3 A**  
**Pillayappampalayam Village**  
**Kumarapalayam Post, Annur Taluk**  
**Coimbatore - 641 653, Tamil Nadu, India**

# TEETH GENERATION PROCESS



## High Speed CNC Hobbing Machines

### Major Specification

Max Module	: 4mm
Max work Dia	: 210mm
Hob Head Swivel	: $\pm 45^\circ$

### Controls

- Tool Life Alarm



## CNC Shaping Machines

### Major Specification

Max Module	: 5mm
Max work Dia	: 250mm
Hob Head Swivel	: $\pm 45^\circ$

## CNC Shaving Machine

### Major Specification

Max Module	: 6.0mm
Max work Dia	: 320mm
Hob Head Swivel	: $\pm 25^\circ$

# GEAR AND SPROCKET PRODUCT RANGE





# List of Machines:



SI No	List of machines	Make	No of Equipments
1	CNC Turn Mill Centers	Moriseiki , Mazak, Doosan, Hwacheon, INDEX	60
2	CNC Turning Centers	Mazak, Hwacheon, ACE, Geedee Weiler	150
3	Vertical Machining Centers	Hass, LMW and ACE	60
4	CNC Gear Hobbing	Gleason	01
5	CNC Gear Hobbing	Premier / Pfauter / Aeromech	15
6	CNC Gear Shaping	Premier	03
7	Broaching Machine	Khemka	03
8	Gear Hobbing Machines	Quatek	06
9	Sealed Quench Furnace	Wesmen Ipsen	04
10	Vibro polishing	Gala	02
11	Assembly line	MBD	05

# LIST OF MACHINES:

**Gleason – Gear Hobbing Machine**



**Index Twin Spindle Twin turret G200**



**Vertical Machining Center Kitamura**



**Vertical Machining Center HAAS**



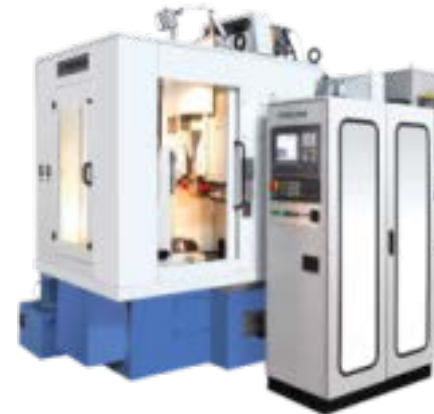
**Moriseiki CL 2000BM**



**Mazak QTM S100**



**Premier Gear Shaping**



**DURR – Ultrasonic Cleaning**



# List of Instruments:



SI No	Description	Make	No of Equipments
1	Co-ordinate Measuring Machine	Carl Zeiss, Germany., Hexagon	07
2	Contracer	Mitutoyo, Japan	04
3	Roundness Tester	Mitutoyo, Japan	01
4	Roughness Tester	Mahr, Germany Zeiss	03
6	Video measuring system	Rapid-I, India	02
7	Gear profile tester	Gear spect, ChecZ	01
8	2D Height master	Mitutoyo, Japan	06
9	Magnetic Crack Detector	Electro magfield, India	03
10	Hardness Tester	FIE, India	01
11	Multi Gauge	MGPL	04

# List of Instruments:

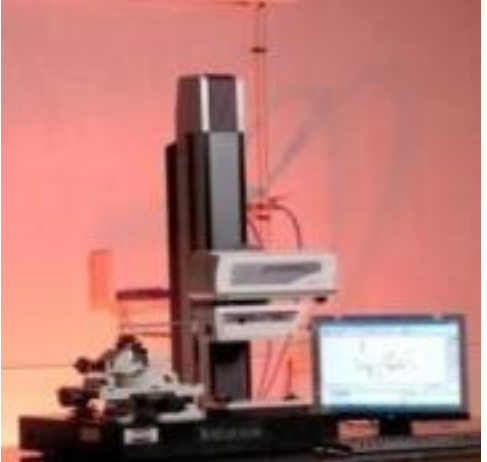
CMM



Roundness Tester



Contracer



Roughness Tester



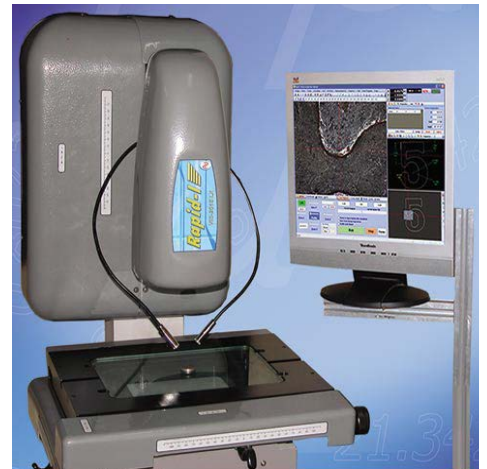
Gear tester



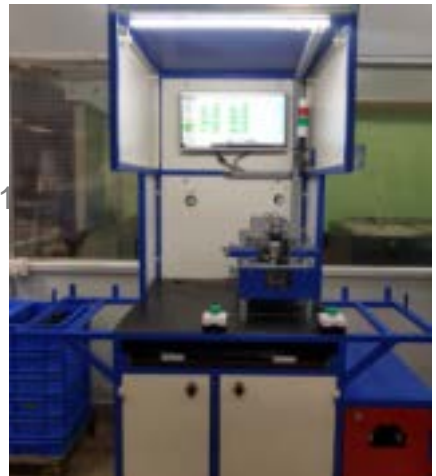
Profile projector



VMS



Multi Gauges



# List of Machines:



Process  
Make  
Inspection Facility

- Ultrasonic Cleaning
- DURR
- Particle weight, Size & Count



Ultrasonic Cleaning machine



Particle Extraction Equipment

# List of Machines:-



Process  
Make  
Inspection Facility

- Laser Marking
- DMC code (Traceability)
- Grade verifier

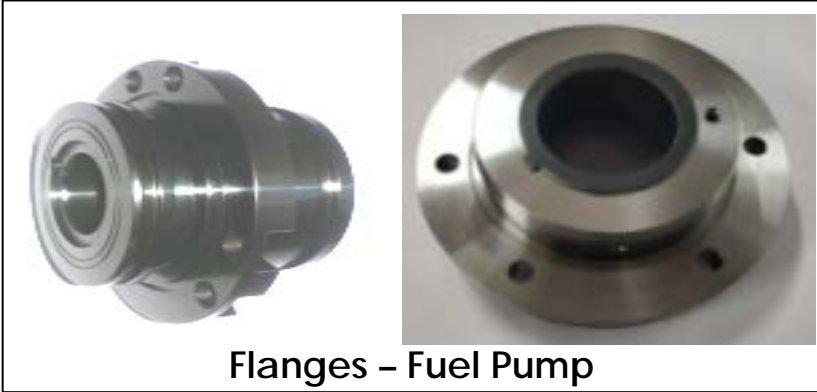


Laser Marking Machine

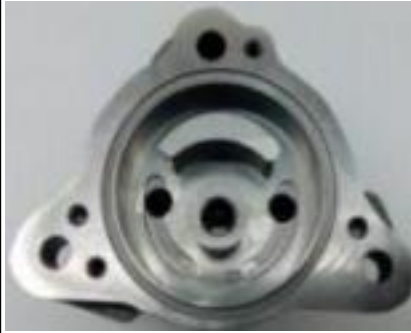


Verifier

# Machining Parts:



Flanges – Fuel Pump



Housing Fuel Pump



Support bearing



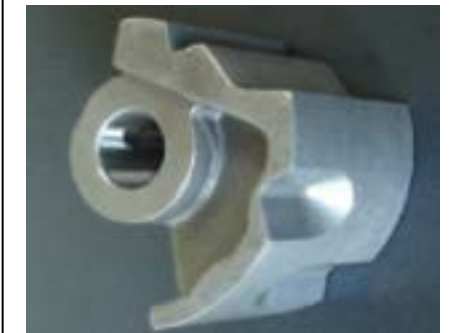
Eccentric Shaft



Banjo Connector Assy



Pump Housing



Gear Shift Selector -  
Truck



Banjo Connector



Selector Shaft Assy



22



Bracket and Arms – Bus Parts

# Machining & Forging Parts:



Gearshift Assy



Actuation Interlock Assy



Outer Ring



Gear Control Fork



Aluminum Casting Drum Assy Sprocket



Forging Timing Sprockets



Aluminum Casting Drum Assy Sprocket



# RESEARCH & DEVELOPMENT



- ❑ Government certified R&D centre.
- ❑ Equipped with a NABL certified chemical analysis laboratory.
- ❑ Ability to design and develop a complete Timing System right from the scratch.
- ❑ Metallurgical Lab with advanced instruments for geometrical and metallurgical analysis.
- ❑ Product Validation Facilities – Endurance, Cyclical loading, Accelerated chain endurance, Residual elongation Test, Fracture and Fatigue tests.



**THANK YOU**

