



GALAXY TECHNOFORGE (INDIA) PVT. LTD.

**YOUR TOTAL
FORGING SOLUTION...**



Infrastructure & Certification

Galaxy Technoforge (INDIA) Pvt. Ltd., incorporated in the year 2002. We manufacture a wide range of **HOT FORGED RINGS, BEARING RACES, GEAR BLANKS, POLE WHEELS, SPACER RINGS**, for automotive and non-automotive segments.

GTFIPL has incorporated substantial investment in creating state-of-art infrastructure i.e. Forge Shop, Heat Treatment Shop, CNC Shop, Die Shop and modern testing laboratory under single roof. It is spread over a total area of 66000 Sq.Ft. and built up area of 33000 Sq. Ft.

GTFIPL is certified with **IATF 16949:2016 TUV SUD**. We strictly monitor & adhere to all quality parameters in accordance with customer requirements as well as global standards.

Recently we have upgraded our production facility up to 10000 MT/Annum and recruited skilled professionals to provide the best services to our esteemed clients.





Technical Capabilities

WE OFFER COMPREHENSIVE RANGE OF RINGS RANGING FROM BELOW SIZES.

SPECIFICATION	MIN. SIZE	MAX.SIZE
Outer Diameter	30 mm	350 mm
Inner Diameter	10 mm	250 mm
Thickness	10 mm	100 mm

OUR RANGE OF PRODUCTS INCLUDES...

- Profile Ring Forging
- Tapper Roller Bearing Races
- Spherical Roller Bearing Races
- Thrust Bearing Races
- Cylindrical Bearing Races
- Angular Contact Bearing Races
- Ball Bearing Races
- Sleeves
- Control Discs
- Hubs for Hi-Low & Intermediate Shafts
- Gear Blanks
- Pole Wheels





Materials & Induction

RAW MATERIAL

All incoming material undergo with inspection for chemical composition and various mechanical and physical properties.

Approved raw material stored appropriately with Color Code, Heat Number and Section Size wise in separate racks to easy access and identification.

We purchase raw material from various steel mills accordance to customer's approved steel supplier list.

INDUCTION FURNACE

Our all manufacturing lines are equipped with modern induction heating furnace. **Online ECT GRADE SORTER**, heating and cutting carried out in four Induction Heating Furnaces. We have one induction heating furnace for cut blanks as well. Pyrometers are in role to review the temperature of each and every cut blanks. For cut blanks we have tie up with some of approved vendor for cutting. We carried out temperature, weight and visual inspection to ensure quality of product.



Installed Capacity

Our forge shop equipped with friction presses – 3 Lines and hot ring rolling – 3 Lines. All lines are supported with Long Bar & Cut Piece Induction heating furnaces and other mechanical presses to achieved desire results in part profile. **Total installed capacity for forging is 10000 MT annually with weight varying from 100 gms to 25 Kgs per pc.**

LINE NO.	LINE TYPE	OD (mm)		ID (mm)		WIDTH (mm)		WEIGHT (Kgs.)		Monthly Tonnage
		Min	Max	Min	Max	Min	Max	Min	Max	
A	Friction Press/Combi Forging	50	75	20	40	12	20	0.100	0.350	70
B1	Friction Press/Combi Forging	75	100	30	50	10	22	0.350	1.200	140
B2	Rolling	60	85	45	60	20	25	0.350	0.700	
C	Friction Press/Combi Forging	55	80	25	50	10	30	0.180	0.650	90
D	Rolling	110	160	80	130	30	60	0.890	3.000	100
E	Rolling	150	350	100	225	50	100	3.500	25.000	300



Forge Shop

FORGE SHOP





Heat Treatment Shop

Heat Treatment shop is equipped with total **6 nos. of bell type electrical furnaces with temperature controller**. We do spheroidize annealing and normalized process. **We are also using Nitrogen Gas in annealing cycle for better quality**. Also having In-house Testing Laboratory in supportive role for inspection of Hardness, Micro Structures etc..





CNC Shop

CNC Shop equipped with CNC Turning Center and respective measuring instruments like Vernier Caliper, Dial Guages, Special Guages, etc. CNC Turning centers are in role for supply precision machined parts. We have tie up with other CNC shop as well to cater volumetric requirement of our esteemed clients.





Quality Assurance

All parts undergo through stringent quality assurance system with the help of measuring instruments like **Contour Measuring Machine (Make – Carl Zeiss)**, Vernier Calipers, Dial Guages, Special Guages, Hardness tester, **Metallurgical Microscope GX41F (Make - Olympus)**, profile projector (Unit – II), MPI Testing and Visual inspection





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