



# ABOUT US

**MILLENNIUM RING MFG. CO.** was conceived & came into existence in **year 2005** by the well known Industrial Group of Rajkot called "**MILLENNIUM GROUP**", which includes **M/s. Millennium Forging Pvt. Ltd.** (Established in 1997, A leading ISO 9001 certified Co; Engaged in manufacturing of Closed Die Forgings) as a Parent Company and **M/s. Amazon Technocast Pvt. Ltd.** (Established in 2015, A leading ISO 9001:2008, AD2000-W0, PED 97/23/EC, & IBR 1950 certified Co; Engaged in manufacturing of Investment Castings) as a Sister Concern Unit.

We are pioneer in the manufacturing of all types of **Seamless Rolled Rings** through **Ring Rolling** process. With ultra-modern infrastructure for manufacturing & administrative activities, we have dynamic & experienced team of personnel to enhance our expertise and increase our capability & capacity.



## VISION

Be the world's premier organization by achieving extraordinary results for our Customers, making our Vendors to feel proud of us, building satisfying careers for our People, and earning a fair return on the value we deliver.



**Plant Facility :**

Machinery	: 3 (Three) Ring Rolling Machine Lines with Furnaces
Parting & Turning	: CNC & Lathe Machines
EOT Cranes	: For Loading & Unloading of Materials
Lab	: Fully equipped Metallurgical & Testing Laboratory
Office	: Integrated Administrative Office

**Plant Capacity :**

Installed Capacity	: 9600 MT Per Annum (800 MT Per Month)
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**Plant Area :**

Total Area	: 2000 Sq. Meter
Covered Area	: 1500 Sq. Meter
Staff Quarters	: 30 (To accommodate 30 Staff Families / 60 Employees)

**Capabilities :**

Sizes (Standard Jobs)	: OD=800 mm x ID=50 mm x Thickness=160 mm Per Unit
Sizes (Profile Jobs)	: OD=250 mm x ID=50 mm x Thickness=160 mm Per Unit
Weight	: Maximum Up to 80 Kg. Per Unit
Accuracy	: According to IS 2004 (1991) & IS 3469 - 1 to 3 (1974) Standards

**Process :**

Ring Rolling process starts with a circular perform of metal that has been previously upset and pierced to form a hollow "donut." This donut is heated above the recrystallization temperature and placed over the Idler or Mandrel Roll which then move under pressure towards a Drive Roll that continuously rotates to reduce the Wall Thickness, thereby increasing the Diameters (ID & OD) of the resulting Seamless Rolled Ring.

## INFRASTRUCTURE





Seamless Rolled Ring



Crown Wheel



Transmission Gear



Hub Ring



Ring Gear



Synchronizer Ring



Oil Field Ring



Hydraulic Ring



Housing Ring



Taper Sleeve



Bleed Ring



General Engg. Rings



Pressure Rings



Pinion Ring



Coupling Ring



Seat Ring



Nuclear Reactor Ring



Gear Blank



Flange



RTJ Gasket Ring



Raw Material Storage



Cut Blanks



Forged Ring

Grades We Can Roll / Forge (As per IS, ASTM, DIN, JIS, GOST, Etc. Standards) :

- Carbon Steel (Mild Steel, SAE 1018, SAE 1020, A-105, etc.)
- Low & High Alloy Steel (EN8, EN9, SAE 8620, 20MnCr5, 42CrMo4, etc.)
- Precipitation Hardened Steel (17-4-PH, 20-5-PH, etc.)
- Stainless Steel (SS-304, SS-316, SS-410, etc.)
- Non-Ferrous Metal (Copper, Aluminum, Nickel, etc.)

# APPLICATIONS

Our "Rings are the Wings" for a wider range of Industrial Sectors like



# QUALITY & TESTING

Our 3-Layer Inspection System, CP, APQP, MSA, FMEA, PPAP, & Process Chart are ensuring Customer Satisfaction, always. Our working Philosophy is guided by the following our QUALITY POLICY.

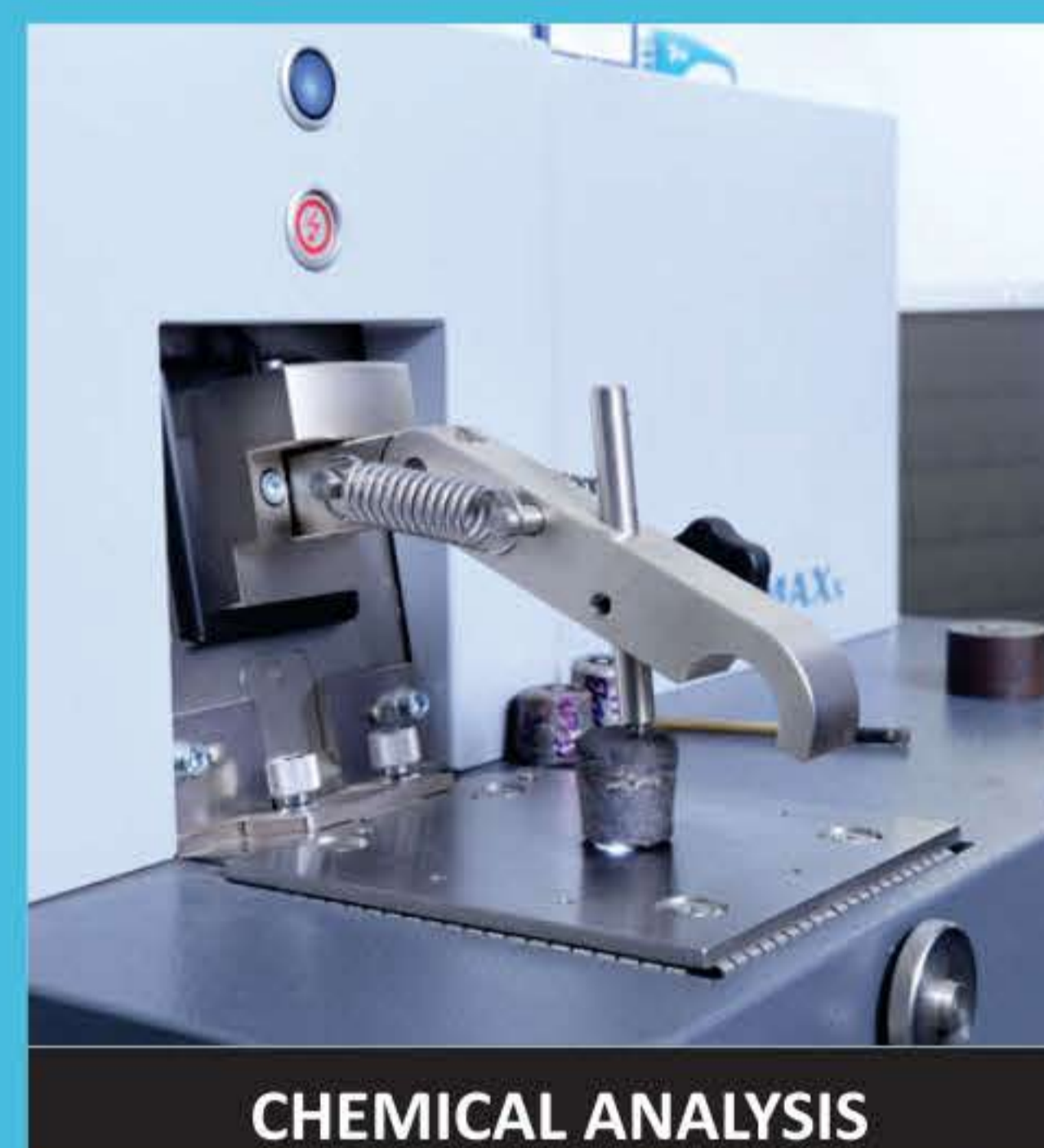
**"Millennium Ring Mfg. Co. is committed to satisfy the Customer and built up long term business relationship with Customer through supplying quality products in time with adherence to Quality Management System".**

We've Fully Equipped In-House Metallurgical & Testing Laboratory to carry-out:

- Chemical Analysis
- Jominy Test
- Microstructure Analysis
- Tensile Test
- Surface Roughness Test
- Hardness Test
- Dimensional Inspection.
- MPI / UT (NDT)



TENSILE TEST



CHEMICAL ANALYSIS



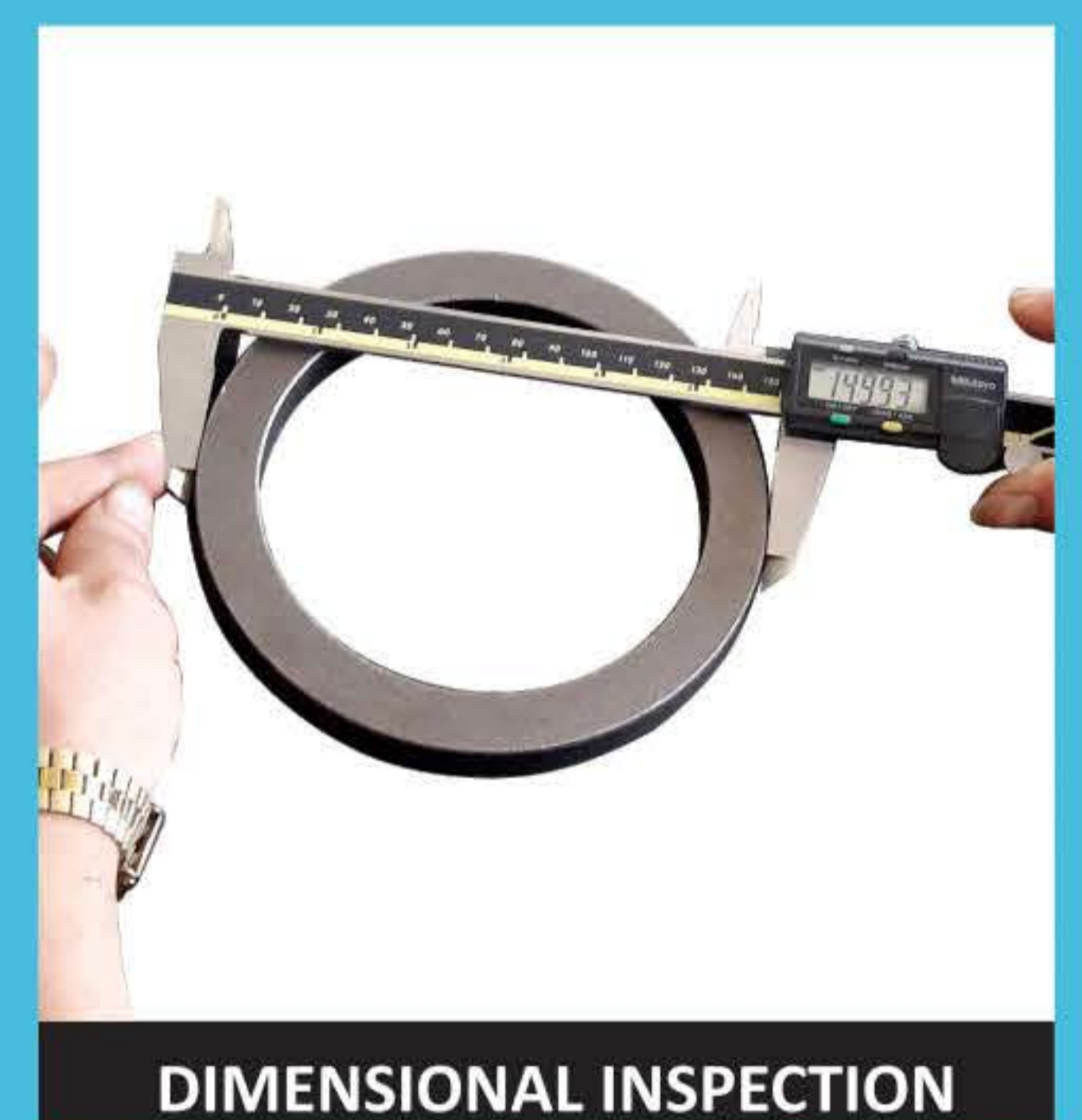
IMPACT TEST



HARDNESS TEST



MICRO ANALYSIS



DIMENSIONAL INSPECTION



## Value Added Services

We may cater following Valued Added Services for our Customers.

- Phosphating
- CMM Inspection
- Powder Coating
- Mirror Finishing
- 3rd Party Inspection
- Proof Machining (Pre-Turning)
- Final Machining (Precision Turning)
- Zinc / Nickel / Chrome Plating
- Electro Polishing
- 3rd Party Testing by NABL Approved Laboratory





## GROUP COMPANIES



### Amazon Technocast Pvt. Ltd.

Year of  
Establishment

**2014**

Business Activity  
**Investment Castings**

Plant Capacity  
1200 MT/Annum  
(100 MT/Month)

Capability  
(Size in mm)  
L=600 x B= 600 x H=300

Capability  
(Weight)  
50 Grams to 120 Kg.  
Per Unit

QMS Certification  
ISO 9001:2008, AD2000-W0,  
PED 97/23/EC, IBR 1950



### Millennium Forging Pvt. Ltd.

Year of  
Establishment

**1997**

Business Activity  
**Closed Die Forgings**

Plant Capacity  
15000 MT/Annum  
(1250 MT/Month)

Capability  
(Size in mm)  
L=500 x B= 500 x H=500

Capability  
(Weight)  
1 Kg. to 80 Kg.  
Per Unit

QMS Certification  
ISO 9001:2008



### Devangi Engineering

Year of  
Establishment

**2004**

Business Activity  
**Precision Machining**

Plant Capacity  
15000 MT/Annum  
(1250 MT/Month)

Capability  
(Size in mm)  
L=600 x B= 600 x H=300

Capability  
(Weight)  
50 Grams to 120 Kg.  
Per Unit

QMS Certification  
ISO 9001:2008

## EHS POLICY

We are is committed to provide Clean, Healthy, and Safe working environment to prevent illness, injuries, and environmental pollution arising out from our business activities through-

"Design, Built & Operate its facilities in an environmentally responsible manner, conserving energy, and water & natural resources, by waste production and preventing pollution.

"Sound practices that effectively prevent & control OHS hazards and risks to minimize injuries and illness at work place by PPE.



## MILLENNIUM RING MFG. CO.

**Mfg. of all type of Seamless Rolled Rings, Forged & Machined Components and Investment Castings**

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