



An ISO 9001 certified company

## **BEARING MANUFACTURING INDIA**

Wide product range in one place ...

A trusted brand since 1974

**40** years of  
experience

**20+** countries  
exported

**4** Awards from EEPC  
for Best Exports

**2000+** sizes in  
stock

**2<sup>nd</sup>** Gen family  
business

**100+** Employee  
strength

**Largest SME Exporter**  
of bearings from India

# Agenda

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- Vision
- Background and Quick Facts
- BMI's Philosophy for success
- Product Range
- Mfg / Quality Process
- Industries Served
- Customers and Locations

# Vision

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- Recognized as one of the most “Reliable” suppliers to our customers
- Reach \$ 15 million by 2024
- Open a local company in USA & Europe to service customers in that region better
- Become a single source preferred supplier for all roller bearings
- Use our vast technical knowledge to solve customer problems in cost effective way
- Open a subsidized cancer treatment centre for the needy

# Export Award Ceremony 2015



# Export Award Ceremony 2015



# Export Award Ceremony 2016



# Export Award Ceremony 2016





# Export Award Ceremony 2019



# Export Award Ceremony 2019



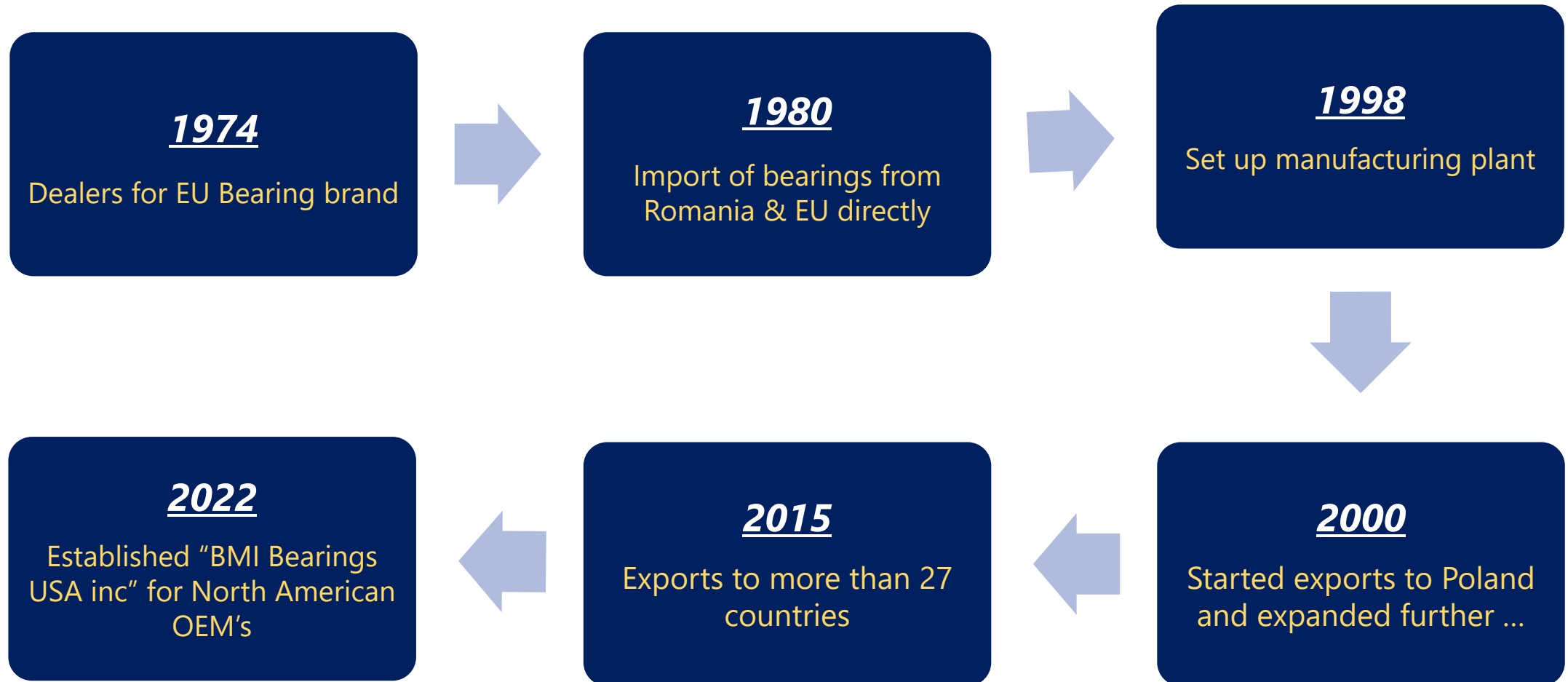
# Export Award Ceremony 2020



# Export Award Ceremony 2020



# Background of BMI Group



# Pillars of success



Quality



Stock



3D model



Design

# Raw material & Capacity

## Inner / Outer Race

- SAE 52100 with less than 15 ppm oxygen control
- SAE 8620 based on request

## Cage Material

- Cage Material used vary from CRCA, Brass, Bronze and polyamide as per specification
- Steel cage material as per IS 4397
- Brass cage material as per DIN 17660

## Dimensional Capability

- Min bore : 10mm
- Max bore : 500 mm

## Capacity

### BALL BEARINGS

- 150,000 pcs per month

### ROLLER BEARINGS

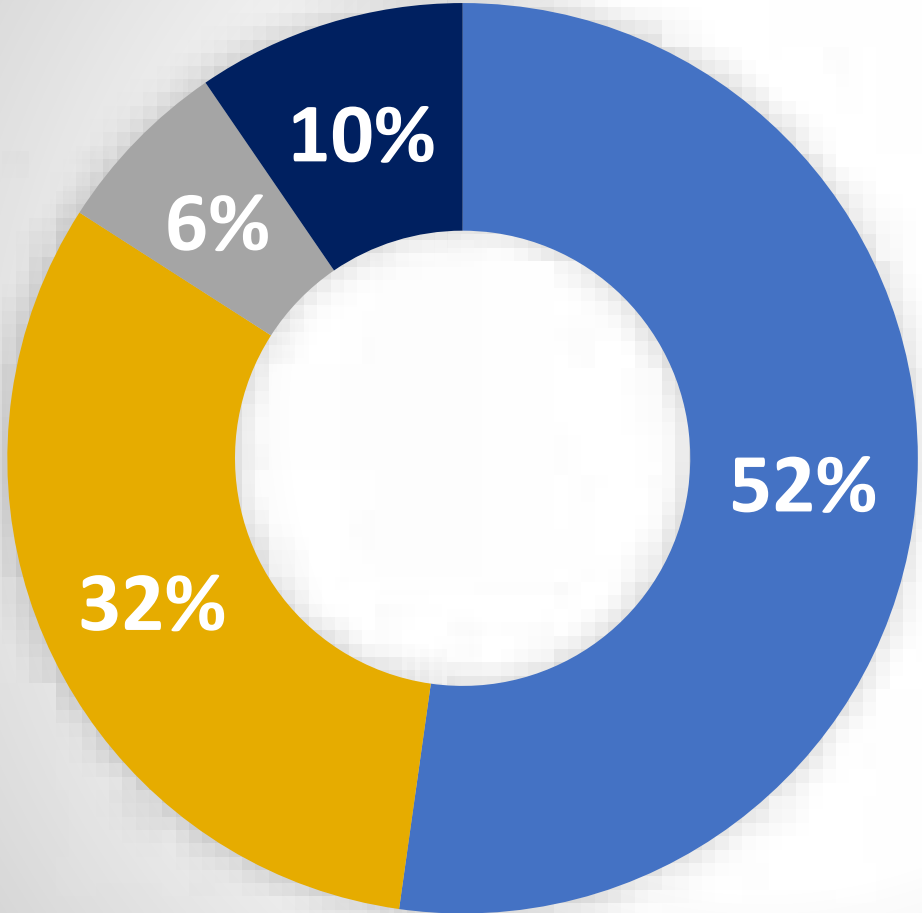
- 125,000 per month

# Our Market





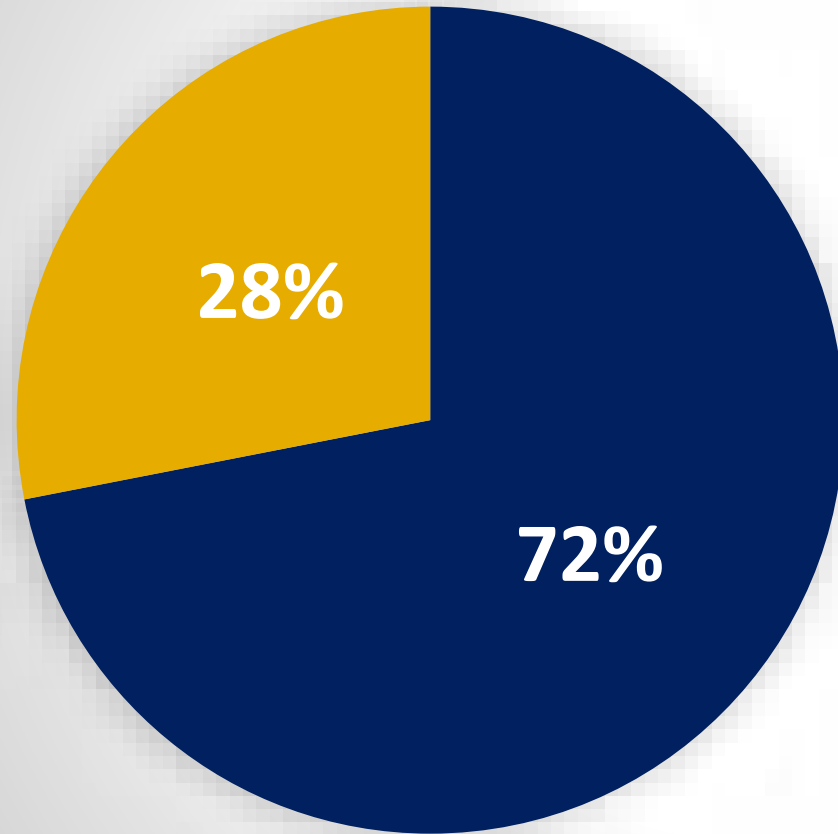
# Sales by Market



Sales – 2021 - \$ 12.2 million

- USA
- Europe
- Rest of World
- India

# Sales by Product



## Sales

- Catalogue Product
- Non standard / Customized Product

# Product Range

Core Products

Spherical



Taper



Type E Trb



Cylindrical



Double Tapers



S2000



Other Products

Rings



Rollers



Sealed Spherical



Deep Groove



# Product Series

## Spherical Roller

21304 to 21318	22205 to 22240	22308 to 22334
23020 to 23060	23120 to 23134	23218 to 23230
24020 to 24040	24120 to 24130	

Available in C2, C3 and C4 clearance

K bore, E type FAG equivalent design, 2RS and brass cage on request

Production Capacity – 60,000 pcs per month

## Taper Roller

30202 to 30230	32205 to 32232	32303 to 32322
31303 to 31320	32004 to 32040	30302 to 30322
33008 to 33022	33108 to 33122	33205 to 33220

Double cup (TDO) & Double cone (TDI)

EL, LL, L, LM, M, HM, H, HH, EH

Set 401-Set 444 Wheel bearing sets

Interchangeable Inch Taper roller bearings

Production Capacity – 160,000 pcs per month

# Product Series

<p><b>Cylindrical</b></p>	<p>N, NJ, NU, NUP NCF and SL series Production Capacity – 25,000 per month</p>
<p><b>Angular Contact</b></p>	<p>72, 73, 32 &amp; 33 series available in ZZ and 2RS ALS and AMS series</p>
<p><b>Thrust</b></p>	<p>511,512,513 &amp; 514 series. FT, LT &amp; XLT series Brass cage available on request</p>
<p><b>Self Aligning</b></p>	<p>12,13,22 and 23 series RL &amp; RM series</p>
<p><b>Deep groove</b></p>	<p>12,13,22 and 23 series RL &amp; RM series</p>
<p><b>Pillow Block</b></p>	<p>UC,UCP, UCF and SB series S&amp; XLJ series</p>

# Non-standard / Custom / Special Bearing

- Combined Bearings



- For Planetary Gear Boxes



# Special Bearings For Steel Mills

Leveller Bearings



Back Up Roller Bearing



Sinter Plant Wheel End Bearings



Sprina Bearings



Carb Bearings



# Special Bearings For Concrete Mixer Applications





# Corrosion Resistant Pillow block bearings

- Special coating on the housing to protect from corrosion



# Flange Housing Unit CSPF 205

- Used widely in Baler and other agriculture machines
- Increased Corrosion resistance due to galvanised sheet steel



# Housed Units

## Spherical Units

Spherical Roller Bearing Housed Units  
Equivalent Dodge S2000 Series  
SKF SYR series  
Linkbelt PB22000 Series



## Tapered Units

Taper Roller Bearing Housed Units (Type E)  
Equivalent Dodge P2B-E Series  
SKF SYE series  
Linkbelt PEB22000



# Cardan Cups

## USP

- Logarithmic crowned rollers for optimized load distribution
- 16MnCr5 material case hardened cups
- Cold forged for better life and performance



# Current Insulated Bearings

## USP

- Smaller lots
- Quicker delivery
- Insulation upto 3000V



# Solid Lube Bearings

## USP

- Food grade applications
- Quicker turnaround
- Smaller lots



# Solid Lube Bearings

## Application areas

- Agricultural industry
- Packaging industry
- Food and beverage
- Railway technology
- Pumps & electric motors
- Construction machinery
- General mechanical engineering
- Mobility



# Quality Control Equipment

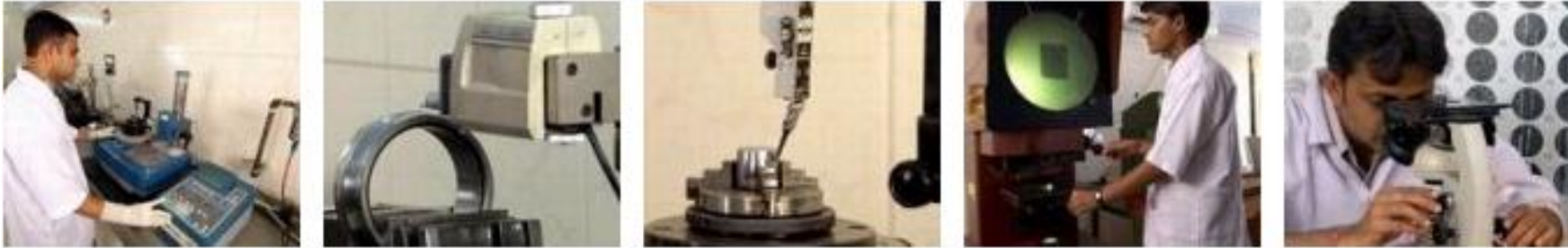
Parameter	Equipment
Radial Clearance	SEIMITSU
Noise & Vibration Tester	SUGAWARA
Roundness Tester	RANDCOM
Roughness Tester	MITUTOYO & Taylor Hobson
Profile Projector	MITUTOYO
Hardness Tester	MITUTOYO
Metallurgical microscope	MITUTOYO

**We follow in-process quality control for manufacturing**



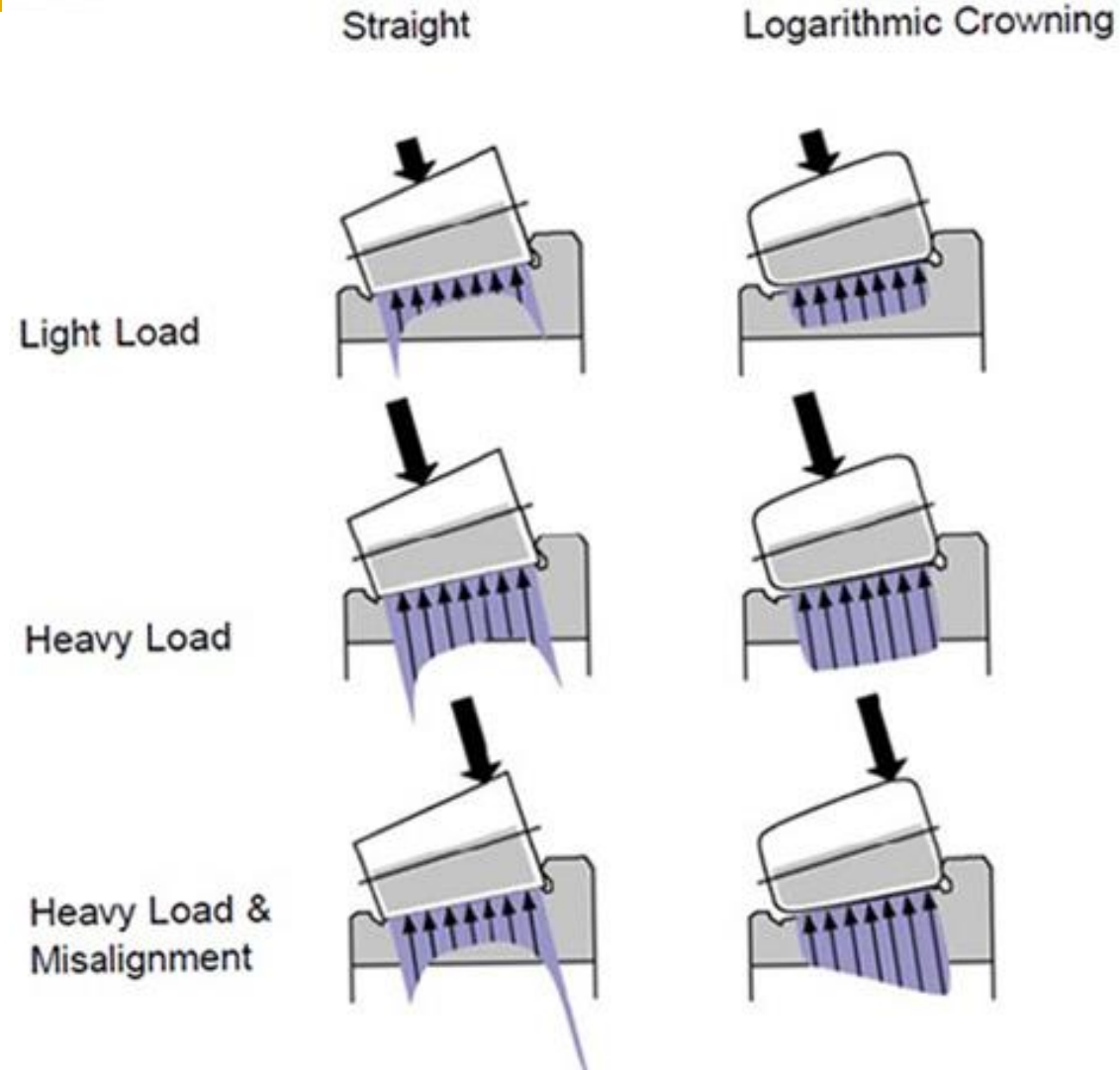


# Quality Control Process

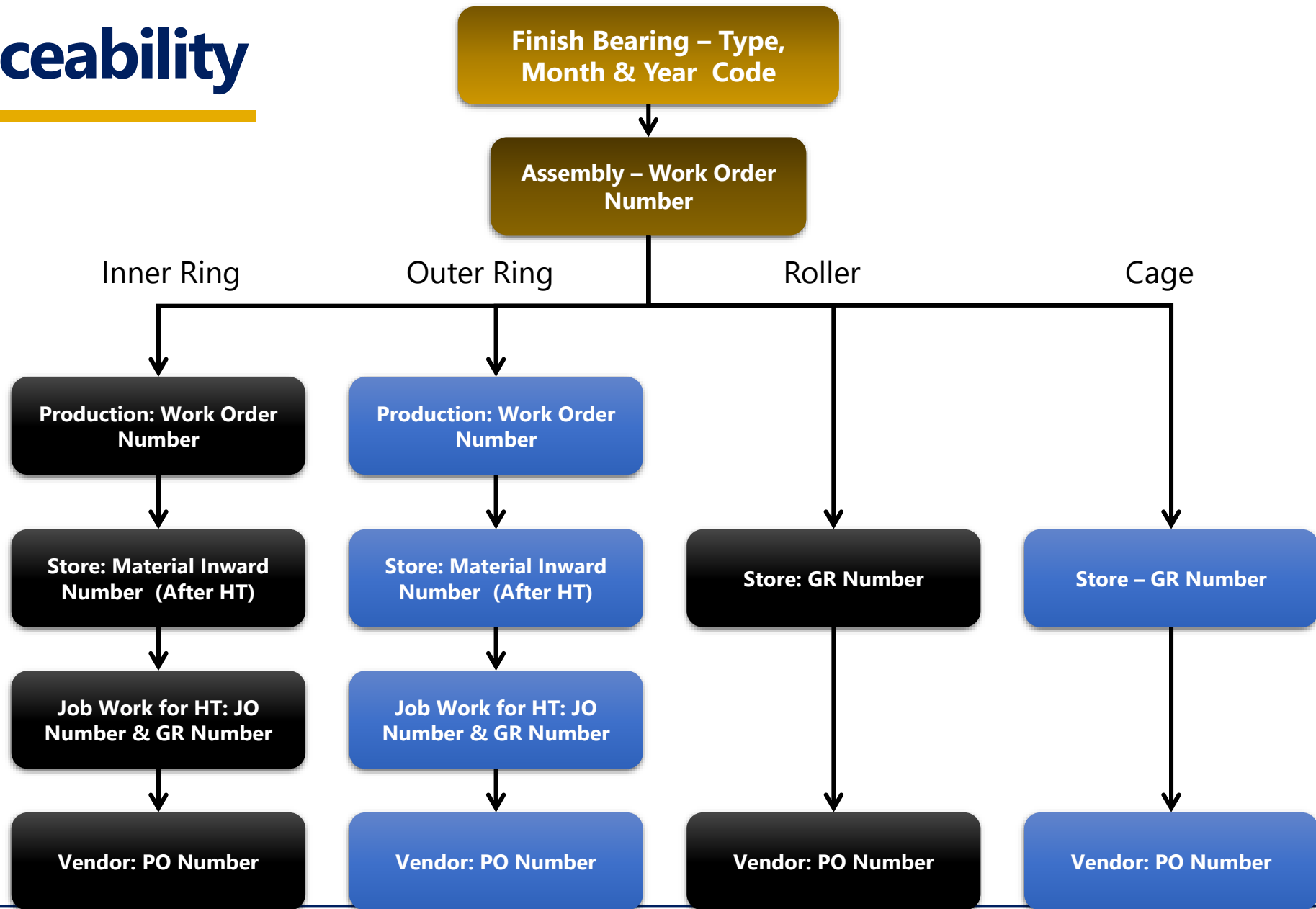


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|--|--|---|--|---|---|---|---|
| <ul style="list-style-type: none"> <li>• Cracks</li> <li>• Microstructure</li> <li>• Composition</li> <li>• Impurities</li> <li>• Chemical Analysis</li> </ul> | <ul style="list-style-type: none"> <li>• Dimensional</li> <li>• Hardness</li> <li>• Micro-structure</li> </ul> | <ul style="list-style-type: none"> <li>• Hardness</li> <li>• Crack</li> <li>• Microstructure</li> <li>• Dimension</li> <li>• Drop-test</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Parallelism</li> <li>• Visual</li> <li>• Flatness</li> <li>• Roughness</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Ovality – 2pt, 3 pt</li> <li>• Roundness</li> <li>• Roughness</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Taper</li> <li>• Roundness</li> <li>• Ovality-2pt.</li> <li>• Concentricity</li> </ul> | <ul style="list-style-type: none"> <li>• Dimensional</li> <li>• Float</li> <li>• Roller movement</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Ovality – 2 pt, 3 pt.</li> <li>• Roundness</li> <li>• Roughness</li> </ul> |
|--|--|---|--|---|---|---|---|

# Why BMI Tapers?



# Traceability



# Serving wide range of aftermarket industries

## Applications Served

- ✓ Industrial machinery
- ✓ Construction Equipment
- ✓ Gear Boxes
- ✓ Tractor
- ✓ Electric Motors
- ✓ Trailer
- ✓ Steel mills
- ✓ Heavy Duty conveyors
- ✓ Levellers
- ✓ Oil and Gas

# Packaging

## Individual Box & Cartons



## Pallets



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**Are you looking for a reliable partner  
for bearings in India ?**

**Get in touch !**


# Contact Details



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# Thank you