



BALU[®]
FORGE

**BALU FORGE
INDUSTRIES LIMITED**

RAILWAY

PRODUCT CATALOGUE

WHO WE ARE

Balu had a humble beginning in the year 1989, in Belgaum, India. It has been a long journey & over three generations of the Balu Family have worked to build a truly global enterprise. But we have only just started & endeavor to become one of the largest Precision Engineering & Metal Forming Company in the world.

INDUSTRIES SERVED & APPLICATION

Our in-house capability & state of the art automotive engineering enables us to manufacture in a large range of applications suitable for Agriculture: Tractors, Harvesters | Heavy Duty: Trucks, Buses, Trailers | Automotive | Generators: Industrial, Stand by Home backup, Portable | Oil & Gas: Pumps & Compressors | Refrigeration: Compressor | Industrial | Off Road & On Road: Motorcycles, Carts, Jet Skis | High Performance: Racing Series | Defence | Locomotive | Marine | Aerospace.

Precision Engineering & Manufacturing Company

Manufacturing excellence using the best Industry 4.0 practices to achieve scale & efficiency in manufacturing

Forging (Metal Forming) & Precision Machining under one roof

Manufacturing components conforming to New Emission Regulations & New Energy Vehicles

Three Decades of Manufacturing Excellence

Spectrum of Industries Served from Agriculture, Railway, Electric Vehicles, Defence, etc.

Gainful Employment to more than 1000 personnel

Export & Distribution Network in over 80 Countries & successfully supplying to over 25 OEMs globally



AGRICULTURE



RAILWAY



DEFENCE



OIL & GAS



EARTHMOVING
MACHINERY



AUTOMOTIVE



INDUSTRIAL
VEHICLES



WIND ENERGY

HISTORY HOW WE STARTED BALU

CORE COMPETENCY

1989

The foundation of 'Balu' was laid by Mr. Prehlad Singh Chandock

1995

First component exported to an overseas market

2010

Acquisition & Installation of the Thyssenkrupp Plant from L'horme, France

2012

Got accredited with ISO/TS16949:2009 accreditation from world renowned company TUV NORD

2017

Became a supplier of Choice to over 25 OEs spread over 5 Continents

2021 / 2022

Acquired the Precision Machining Unit of the Mercedes Benz Truck factory from Mannheim, Germany

Balu successfully completed the ESG audit by a reputed audit firm & joined the United Nations Global Compact Program in its efforts to be ESG compliant

2024

Acquisition of 3 fully automated forging lines with GERB Technology namely: 16T, 10T Forging Hydraulic Hammer & 8000T Forging Press. These machines contribute to a combined forging capacity of 72,000 tons annually



1991

First component manufactured in our factory



2006

Acquisition & Installation of the Ursus Manufacturing Plant from Ursus, Poland



2011

The company successfully achieved the milestone of building a presence in over 80 countries worldwide



2014

Achieved manufacturing of 1000 crankshafts in a single day



2020

Got Accredited with the 14001:2015 & ISO 45001:2018 Certifications. Became an Approved Vendor to the Ordnance Factory Board & established a specialized manufacturing unit for the Defence Industry. Balu completed the transition & listing on the Stock Exchange. The constitution of the company was changed to public limited company



2023 / 2024

Laid the foundation for the greenfield forging & machining facility spread over 46 Acres in Belgaum, India



2024 / 2025

Invested in 7 axis, 11 axis machining capability, 25T Hydraulic hammer line



The Core Competencies which distinguish us from our competitors & the pillars which have ensured the building of a strong brand worldwide are as below:

- Complete CNC manufacturing capability
- Over three decades of experience in Precision Engineering
- Diversified Product Portfolio & Applications
- Supplier of choice for OEMs
- State of the Art Manufacturing set up
- In-house tool room
- In-house Metallurgical lab
- Dedicated R&D Facility
- Strong Emphasis on New Energy Vehicles & Components
- All machining & forging operations in-house
- Well established brand worldwide
- Fully Integrated Plant providing full supply capability to its Geographically dispersed customers from concept to Product design, engineering, manufacturing, testing & validations, Highly skilled work force with a technologically advanced plant
- In-house capability to manufacture a product from 1 Kgs to 1500 Kgs & upto 3 meters long
- Supply base comprising over 25 OEMs both in India & overseas
- Aftermarket customer & distributor base in over 86 countries

WIDEST RANGE

BFIL has evolved to produce a wide range of wheels, axles & wheel sets to meet the needs of our customers. Hence contributing sustainably to the Indian government's Make in India initiative. We are one of the few fully integrated businesses, producing wheels, axles & wheel sets all under one roof. The firm has an experienced railway vehicle design & development team on hand to serve our patrons with prompt, high-quality & end to end solutions. The company meets the bulk requirements for locomotives, passenger vehicles, freight vehicles & other coaching vehicles in terms of wheels, axles & wheel sets. We produce high-quality wheel sets for clients all over the world with a production capacity of about 6,000 wheels per year to start with offering a diverse application suitable for railway wagons, passenger coaches & locomotives in various gauges. The company has successfully initiated supplies to Indian Railways & successfully negotiated a long term contract with a Middle Eastern nation.



WHEELS (Upto 800 Kgs to 1350 Dia)



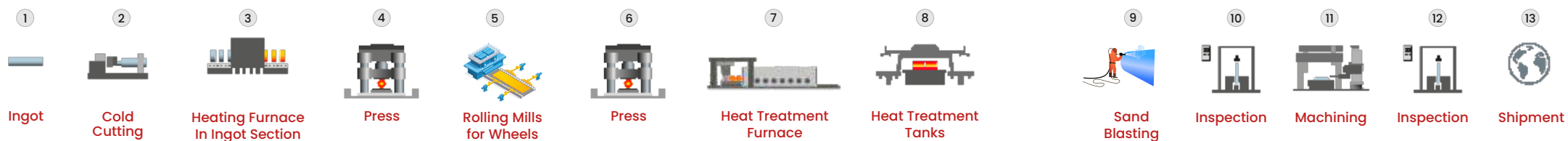
AXLES (Upto 900 Kgs to 2.5 Meters)



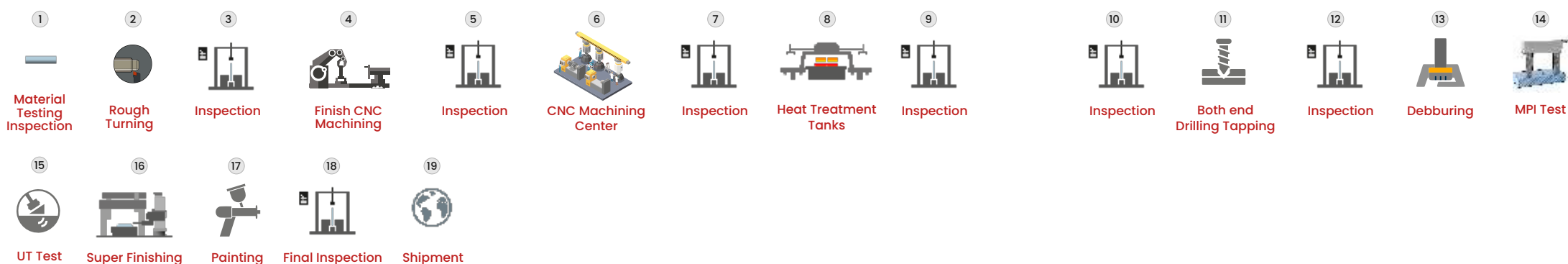
WHEEL SETS

INTEGRATED PRODUCTION PROCESS

WHEELS



AXLES

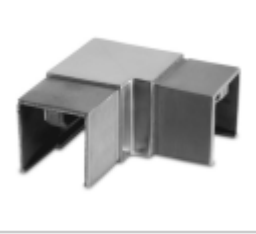


WHEEL SETS



OTHER COMPONENTS

BFIL is a leading manufacturer of high-quality, precision-engineered heavy forged components for the railway industry.

	Connecting Rod 50 to 150 kgs		Connecting Cap 25 to 100 kgs		Dog Pin 10 to 50 kgs		Dome Nuts 10 to 25 kgs
	Crankshafts 2 to 1000 kgs		Camshafts 50 to 100 kgs		Control Arm 10 to 25 kgs		Bend Arm 10 to 30 kgs
	Flanges 100 to 600 kgs		Hooks 10 to 200 kgs		Lever 15 to 25 kgs		Yokes 10 to 50 kgs
	Gear Blanks 10 to 500 kgs		Nuts 5 to 150 kgs		Yoke Shafts 10 to 100 kgs		Valve Body 10 to 850 kgs
	Tail Pin 10 to 25 kgs		Rocker Lever 10 to 50 kgs		Roll Link 10 to 25 kgs		Pivot 100 to 450 kgs
	Arm 20 to 50 kgs		Link 50 to 150 kgs		Link Pin 15 to 50 kgs		

NOTES:



PRECISION ENGINEERING & POWERING THE FUTURE

BALU FORGE INDUSTRIES LIMITED

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Andheri East, Mumbai-400 069, Maharashtra, India.

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info@baluindustries.com

- **PLANT ADDRESS UNIT 1**

43 - B, Kakti Industrial Area, Kakti,
Belgaum - 591113, Karnataka, India.

- **PLANT ADDRESS UNIT 2**

44 - A, Kakti Industrial Area, Kakti,
Belgaum - 591113, Karnataka, India.

- **PLANT ADDRESS UNIT 3**

428/1, Next to Aequs SEZ, Hattargi Village,
Taluk Hukkeri - 591243, Karnataka, India.

- **PLANT ADDRESS UNIT 4**

S21-03, Shed No.21, Al Hulaila FZ, Al Hulaila
Industrial Zone-FZ, Ras Al Khaimah (RAK), UAE.



COMPANY WEBSITE



www.baluindustries.com

