



AEROSPACE PRODUCT CATALOGUE



PRECISION ENGINEERING &
POWERING THE FUTURE

BALU FORGE INDUSTRIES LIMITED

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.

WHAT WE DO

- » 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, Aerospace & Defence, etc.
- » Gainful Employment to more than 1000 personnel
- » Export & Distribution Network in over 80 Countries & successfully supplying to over 25 OEMs globally

INDUSTRIES SERVED & APPLICATION



AGRICULTURE



AEROSPACE & DEFENCE



RAILWAY



WIND ENERGY



AUTOMOTIVE



INDUSTRIAL VEHICLES



OIL & GAS



EARTHMOVING MACHINERY

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 & Aerospace | Locomotive | Marine.

HISTORY HOW WE STARTED BALU

1989

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

1991

First component manufactured in our factory

1995

First component exported to an overseas market

2006

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

2010

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

2011

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

2012

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

2014

Achieved manufacturing of 1000 crankshafts in a single day

2017

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

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

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

2023 / 2024

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

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.

2024 / 2025

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

CORE COMPETENCY

FORGING EXCELLENCE, TRANSFORMING THE FUTURE.

With over 35+ years of expertise, we lead the industry in delivering premium forging solutions. Designed and crafted in our state-of-the-art facilities, our offerings cater to a diverse range of industrial markets.



OUR MISSION

To become a global leader in manufacturing and supplying high-quality forgings and precision engineering components



OUR VISION

To manufacture and deliver superior quality products that meet or exceed customer expectations in terms of performance, reliability, and cost-effectiveness

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

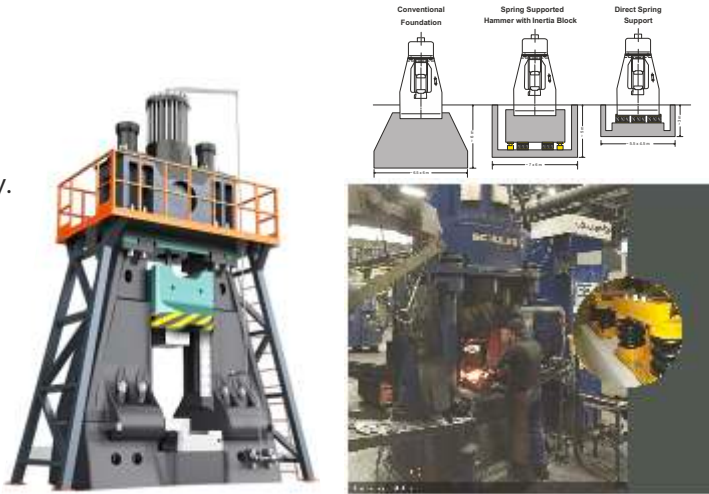
OUR CAPABILITIES

ADVANCED FORGING

BFIL offers cutting-edge forging capabilities with its advanced GERB technology.

25 Ton, 16 Ton, 10 Ton Hydraulic Hammer and 8000 Ton Mechanical Press

- Hydraulic Power Head.
- Enhancing capacity of the Hammer, resulting in significant energy saving.
- Anti Vibration Technology from GERB Germany.
- Increases accuracy and enhances life of the Presses and Hammers.
- Increase in uptime of Hammers. (No Breakdown)
- It reduces vibration up to 90%.



PRECISION MACHINING

BFIL specializes in precision machining with advanced 7-Axis & 11-Axis capabilities.



7 Axis Machining

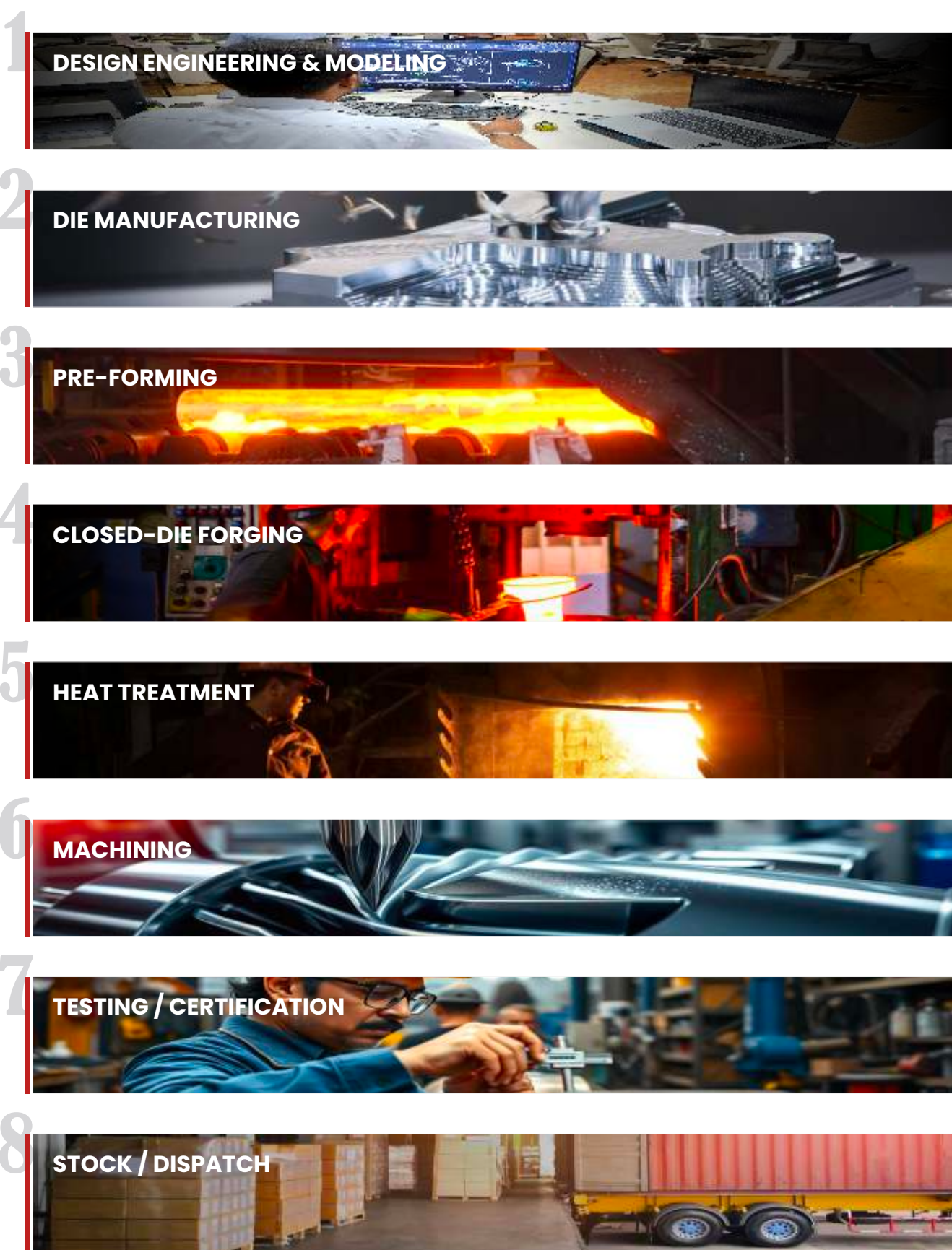
Our state-of-the-art 7-axis machining delivers unmatched precision and efficiency for complex manufacturing requirements. This advanced technology allows simultaneous movement along seven axes, enabling the creation of intricate geometries and fine details that traditional methods cannot achieve.



11 Axis Machining

Our state-of-the-art 11-axis machining offers unmatched precision, efficiency, and versatility for manufacturing complex parts in the aerospace sector. It aids in achieving higher precision, shorter setup time, increased productivity, complex geometries, increases flexibility & enable higher customisation. These factors make 11-axis machining ideal for producing high-precision, complex parts in industries requiring tight tolerances and reduced turnaround times.

PRODUCTION PROCESS



PRODUCT RANGE

AERO STRUCTURE



Weight Range: 50 kg to 250 kgs Material: Titanium + Aluminium Alloy Scope of Supply: Forged + Semi machined

APU COMPONENTS



Weight Range: 5 kg to 300 kgs Material: Titanium + Aluminium Alloy Scope of Supply: Forged + Semi Machined



LANDING GEAR COMPONENTS



Weight Range: 10 kg to 300 kgs Material: Titanium + Aluminium Alloy Scope of Supply: Forged + Fully machined

ENGINE COMPONENTS



Weight Range: 5 kg to 300 kg Material: Titanium + Aluminium Alloy Scope of Supply: Forged + Fully machined

BALU FORGE INDUSTRIES LIMITED



CORPORATE OFFICE :

5th Floor, Imperial Palace, 45, Telly Park Road,
Andheri (E), Mumbai-400 069, Maharashtra, India.

Phone: +91-22-26839916

Fax: 91-22-26842860

E-mail: sales@baluindustries.com

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