



CELEBRATING
50
YEARS
OF EXCELLENCE



IATF 16949 : 2016
ISO 14001: 2015
CERTIFIED
COMPANY

We are the Oldest Ductile
Iron Foundry in the Region.

ABOUT THE COMPANY : BMC METALCAST PVT. LTD.



BMC Group of Industries was established in 1971. We are the **Oldest Ductile Iron Foundry in the Region**. BMC manufactures all grades of S.G Iron castings and supplies in a completely machined condition, conforming to International Standards, Quality & Grades.

BMC Metalcast Private Limited, earlier known as Bihar Metallurgical Corporation, was established in the year 1971. In 2012, BMC Metalcast expanded its production facilities and opened BMC Ferrocast Pvt Ltd.

Annual Capacity: 5000 MT.



ABOUT THE COMPANY : BMC FERROCAST PVT. LTD.



BMC Ferrocast Pvt. Ltd. (An IATF 16949:2016 & ISO 9001:2015 Certified) is a Ferrous foundry manufacturing Ductile Iron automobile castings, components and engineering castings for the past 8 years.

This is with the DISA MATCH HPML with 1 Ton Quad-trak furnace and ARPA 900 Line with 2 Induction Furnace of 2 MT capacity each.

Annual Capacity: 21000 MT.





- Production to start in Feb 2024: Site Ready; Fabrication in Progress
- DISA MATCH 24/28 (150 molds per hour)
- Monthly Capacity : 1000 Tons
- State of the Art Machine Shop (To be developed once production starts)
- Automated Fettingling





DR. MAHABIR RAM, Met. Engg. M. Met. & Ph.D. (Sheffield U. K.), MIIM, M.IIF, MIE, is the Chairman of BMC group of industries, Experience of 60 years in the field of foundry.



Mr. HARSHIL DOKANIA, Junior Director, B.Sc. Engineering from Drexel University, USA M.Sc. Management from Concordia University, Canada.



Mrs. JAYA DOKANIA, the Joint Director of BMC group of industries, is a Post Graduate with Administrative Experience of 55 years in the field of foundry.



Mr. DEEPAK DOKANIA, the Executive Director of BMC group of industries, is a Mechanical Engineer from NIIT Jamshedpur and MBA from XLRI Jamshedpur, Experience of 30+ years in the field of foundry.



Mr. ROHIL DOKANIA, Junior Director of BMC group of industries, Having Complete a B.Sc. In Economics and Management from Loughborough University U. K.

OUR ACHIEVEMENTS & CERTIFICATIONS

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Certificate of Registration

This is to certify that

BMC Ferrocast Private Limited
M-35, Phase-IV, Industrial Area, Adityapur,
Jamshedpur- 832108, Jharkhand, India

has been assessed and registered by TCCPL as conforming to the requirements of:

ISO 14001:2015

[Environmental Management System]

The Environmental Management System is applicable to:

Manufacture and Machining of S.G. Iron & Grey Iron Castings

Certificate No: E-9131072965 | Certificate issue date: 31-07-2021 | Next Audit Before: 30-07-2022
2nd Surveillance Due Before: 30-07-2023 | Re-certification Due Date: 30-07-2024



Managing Director



Accredited by United Accreditation Foundation Inc. (UAF)
Member of IAF

Trans Continental Certifications Pvt. Ltd.
www.tccplcertifications.com
To check certification status: <http://iaf.accreditation.org>, www.tccplcertifications.com or write us at info@tccplcertifications.com
Certificate is the Property of TCCPL and shall be returned immediately when demanded
Lack of fulfillment of conditions set out for the issuance of this certificate and timely completion of periodic surveillance audits may render this certificate invalid

CERTIFICATE - CERTIFIKAT - ZERTIFIKAT - CERTIFICATO



Certificate of Registration

QUALITY MANAGEMENT SYSTEM - IATF 16949:2016

This is to certify that:

BMC Metalcast Pvt.Ltd.
A-18/19, Phase 2
Adityapur Industrial Area
Jamshedpur 832 109
Jharkhand
India

operates a Quality Management System which complies with the requirements of IATF 16949:2016 for the following scope:

The Manufacture and Machining of S.G Iron & Grey Iron Castings.
Permitted Exclusions: Product Design

For and on behalf of BSI:



Theuns Kotze, Managing Director - IMETA Assurance

BSI Certificate Number: 544213
IATF Number: 0401999




Certification Date: 2021-05-25
Latest Issue: 2021-05-25
Expiry Date: 2024-05-24

Page: 1 of 1

...making excellence a habit.

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authorised via www.bsi.com.
Period reports can be obtained at www.bsi.com/bsi-certificates or telephone +44 (0) 11 8916 9000.
Further information regarding the issue of this certificate and the applicability of IATF 16949:2016 requirements may be obtained by consulting the organisation.
This certificate is valid only if printed original copies are in compliance with:
IATF Contractual CP:04: BSI Assurance UK Limited, registered in England under number: 1030221 at 389 Chiswick High Road, London W4 4AL, UK.
BSI, The MBA Corporate Centre (A-2), Plot 2 and 3, Jhansi Road, Mahara Road, New Delhi: 110 001.
A Member of the BSI Group of Companies.

CERTIFICATE - CERTIFIKAT - ZERTIFIKAT - CERTIFICATO



CERTIFICATE

Quality Austria - Trainings, Zertifizierungs und Begluechtungs GmbH awards this qualityaustria certificate to the following organisation:

BMC FERROCAST PVT. LTD.
M-35, Phase-IV, Industrial Area, Adityapur,
Jamshedpur- 832108, Jharkhand, India

Manufacture and Machining
of S.G. Iron & Grey Iron castings

Registration No.: 039020
IATF-Registration No.:
Issue Date: 16 August 2021
Expiration Date: 15 August 2024

Vienna, 16 August 2021

Quality Austria - Trainings, Zertifizierungs und Begluechtungs GmbH,
AT-1010 Vienna, Zeltnergasse 10/3

Signatures removed for security reasons

Konrad Scheiber General Manager
Ing. Michael Dragosch, MSc Specialist representative Page 1 / 1

CERTIFICATE - CERTIFIKAT - ZERTIFIKAT - CERTIFICATO



CERTIFICATE

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BMC FERROCAST PVT. LTD.
M-35, Phase-IV, Industrial Area, Adityapur,
Jamshedpur- 832108, Jharkhand, India

Manufacture and Machining
of S.G. Iron & Grey Iron castings

Registration No.: 137020
Date of initial issue: 07 August 2013
Valid until: 15 August 2024

Vienna, 16 August 2021

Quality Austria - Trainings, Zertifizierungs und Begluechtungs GmbH,
AT-1010 Vienna, Zeltnergasse 10/3

Signatures removed for security reasons

Konrad Scheiber General Manager
Dr. Mag. Anni Koubek Specialist representative

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Torque Plate



Brake Spider



Front Hub



Rear Hub



Bracket



Bracket



Rear Hub 2



Shackle



Chamber Bracket



Brake Shoe



Chamber Bracket



Rear Hub 2



Differential Case



Adaptor Plate



Shift Housing



Modified Adaptor



Wide Jaw Adaptor



Narrow Jaw Adaptor



NBC End Cap



NBC Backing Ring



Timken Fitted Backing Ring



Timken Axle End Cap



Induction Furnace Capabilities



BMC Metalcast Pvt. Ltd.	BMC Ferrocast Pvt. Ltd.
500 KG / 450 KW Dual Trak-2 Crucibles	2 Ton / 1500 KW Dual Trak-2 Crucibles
1 Ton / 750 KW Dual Trak-2 Crucibles	1 Ton / 750 KW Quard Trak-4 Crucibles

Inductotherm Medium Frequency Induction Furnace

Molding Machine Capabilities

BMC Metalcast Pvt. Ltd.	BMC Ferrocast Pvt. Ltd.
Two Lines of ARPA 450 by DISA (Box Size = 760/650 mm)	One Line of ARPA 900 by DISA (Box Size = 950/600, 850/950, 1100/1000 mm)
Hand Molding Capabilities of Single Weight Casting up to 400 KG per piece	One High Pressure Molding Line (DISA MATCH 24 X 28 - 710/610 mm)
Shell Molding Machine Fully Automatic shell core shooter Machine(Heater Plate Size-500/500 mm)	



Laboratory / Technology Capabilities

- Digital Sand Testing Equipment
- Latest Spectrometer (Version : 1008i)
- Metallurgical Testing
- Mechanical Testing
- Conventional Metallography
- In-Situ Metallography
- Ultrasonic Testing
- Radiography- Outsourced
- Electronic Tensometer
- B-4 Viscosity Cup
- DFT Meter
- Load Testing Machine of 100 Ton
- Hardness Testing Machine
- Temperature Check by Optical Pyrometer- Only BMCF
- 3D Scanner (Carl Zeiss)- Only BMCF





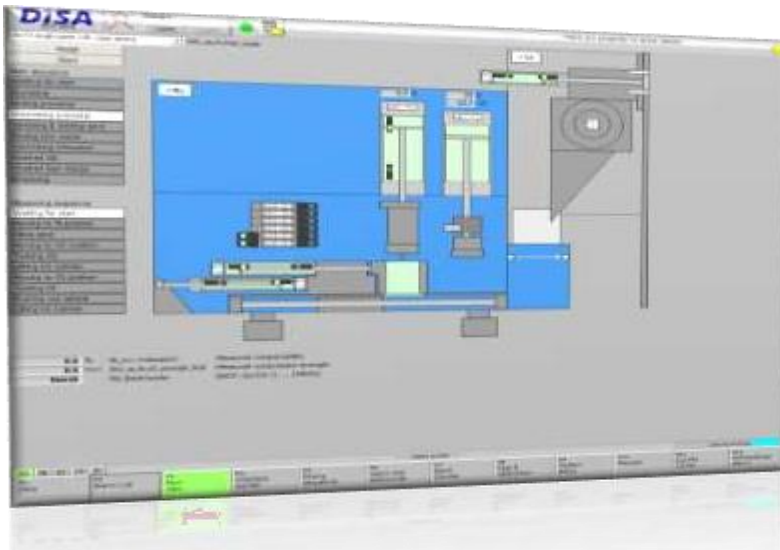
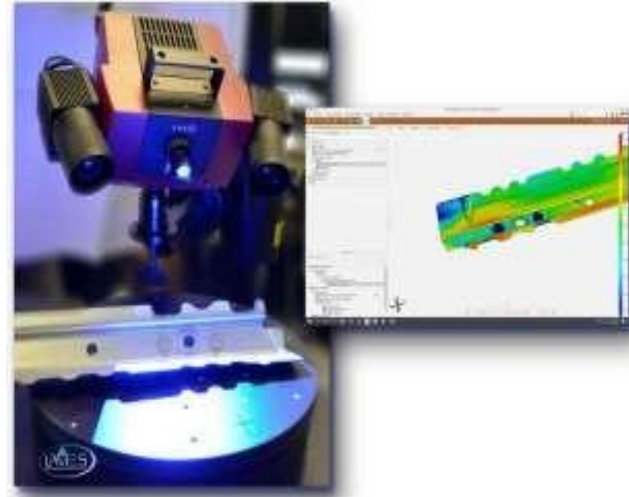
Core Shop Capabilities

BMC Metalcast Pvt. Ltd.	BMC Ferrocast Pvt. Ltd.
3 Part Pepset Resin Core Making facility	Cold Box Core Shooter Machine 2 Numbers Capacity 600 kg Per Hour, Make COMPAX
Electrically Heated Core Oven	3 Part Pepset Resin Core Making facility
Maximum Single Piece Weight of Core 30 kg	Electrically heated Core Oven
	Maximum Single Piece Weight of Core 30 kg
	Core Sand Mixers 2 Nos Capacity 150 kg each



Technology Capabilities

- AUTOCAD
- CATIA
- SolidWorks
- SOFTCAST
- Server based ERP System
- GOM 3D Scanner
- SEMENCE(Automated Sand Plant)
- DISA SMC Tech.

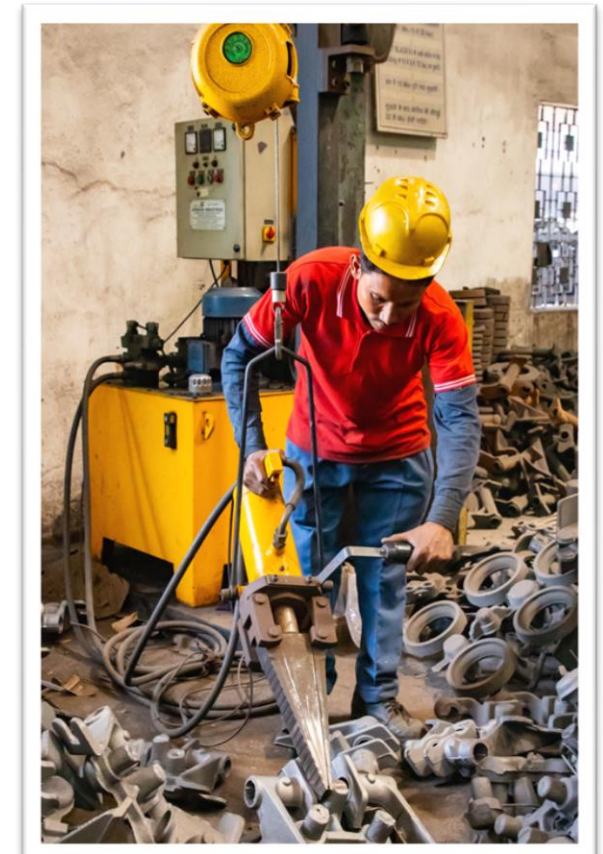


Baling / Sectioning / Degating Machine

Degating Machine : Removal of Riser done by Degating machine at fettling shop.

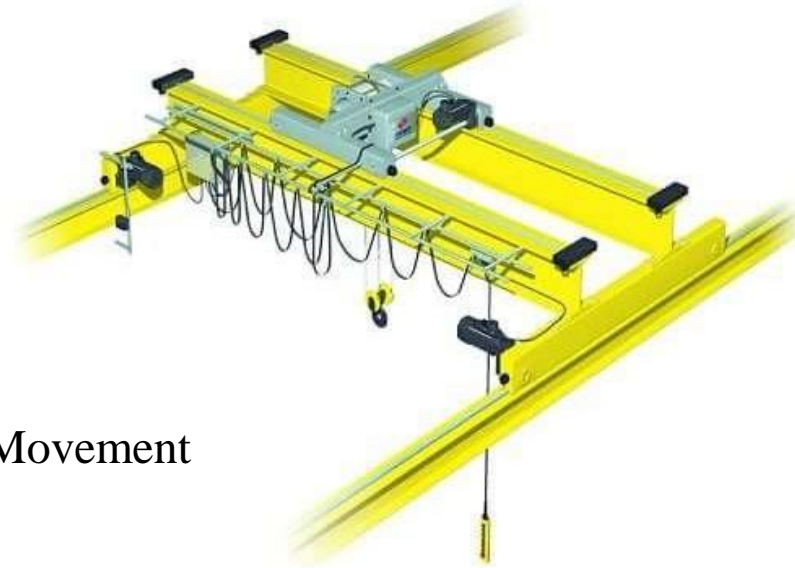
Sectioning Machine : To understand the soundness of the casting.

Scrap Baling Machine : Make HR/CR Scrap Bundle to make Melting process Easier.



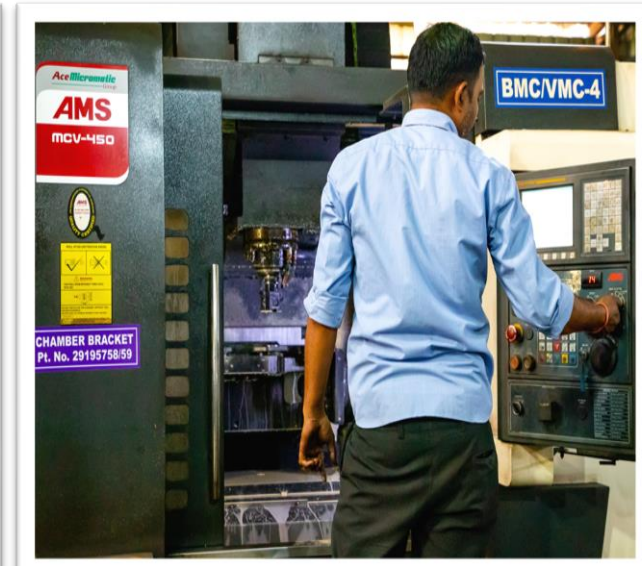
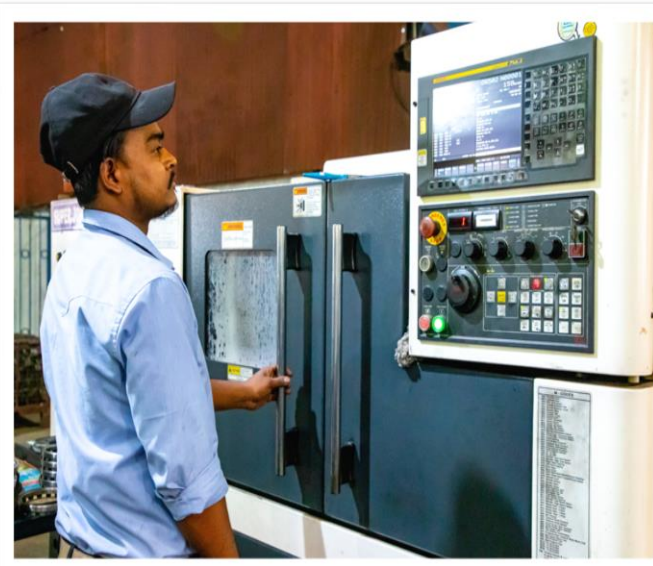
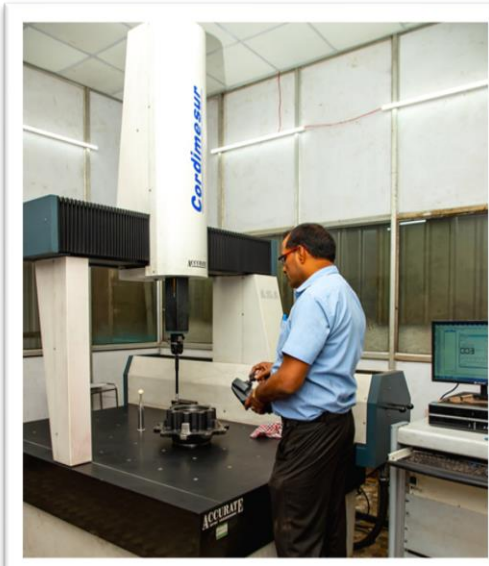
Advance Equipment's

- Electric Stacker for Pattern Movement
- Ladle Preheating Machine
- Vibrator motor for furnace lining
- Slag cleaning by Pneumatic chisel
- Multiple advanced overhead cranes for Ladle Movement



Advance Machine Shop

- 20 Lathe Machines
- 8 VMC's
- 10 VTL's
- 4 Turning Centre's
- Surface Roughness Tester Facility
- CMM Facility Available in House



TIE-UP WITH LEADING MACHINE SHOPS IN JAMSHEDPUR

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IATF 16949: 2016 Certified Company



- 48 CNCs
- 17 VMCs
- 3 VTLs
- Automates
- Capstans
- SPMs
- Thread Rollers
- Center less grinding
- Tapping with PLC control



AUTOTEC ENGINEERING



- Carl Zeiss CMM
- 7 robots
- 7 cobots
- 2 overhead gantries

POKA YOKE TECHNIQUE



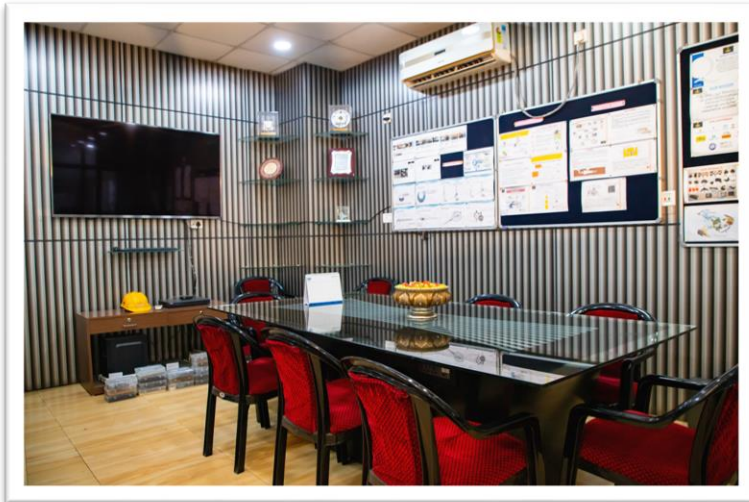
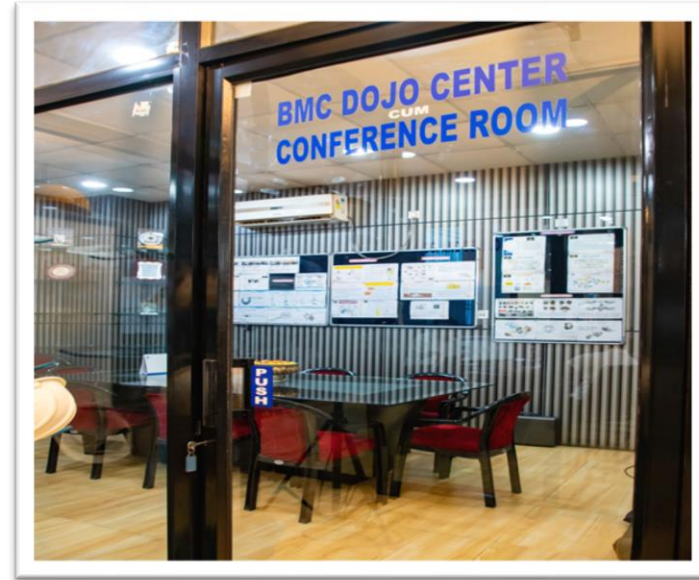
- Proper core Print Location in core for proper core setting in Mold Box
- Pouring Ladle disconnects the power as soon as the seven minutes pouring time alarm rings and restricts the ladle to move to either side
- The Timer for SG treatment is attached with the Hydraulic cylinder tilting button
- Optimum Pouring Height crane hoist is provided with a limit switch /controller.



CORE



- Maintenance DOJO
- Quality DOJO
- Company Overview
- Process and Product
- Safety DOJO





- We are filling black sand in the core to decrease the wastage of black sand.
- We are planning to put up a hydraulic press with trimming die for fettling of castings- this will reduce the dust.
- Lump breaker machine is used to reuse damaged cores.
- Biodiesel is used for ladle preheating and on the molding line.
- The slag generated is sold to the cement industry for their own processes.
- We are in early stages of forming a cluster for a sand reclamation plant, We visited the sand reclamation plant of Kolhapur Foundry Cluster on 5-8-23.



OUR ESTEEMED BUSINESS PARTNERS

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AWARD FUNCTION AND SEMINARS

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OUR ACHIEVEMENTS & CERTIFICATIONS

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2023-BIL Best Casting Supplier



2022-BIL Best Casting Supplier



2022-AAL Best Casting Supplier



2019-BIL Best Casting Supplier



2018-BIL Best Casting Supplier



2021-AAL Best Delivery Performance in castings

BMC METALCAST PVT. LTD.

A 18-19, Phase 2, Adityapur Industrial Area,
Adityapur, Saraikela-Kharsawan-832109,
Jharkhand , INDIA

BMC FERROCAST PVT. LTD.

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THANK YOU

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