

We are a 50 + year old company



**WELCOMES
YOU**

SANDFITS PROFILE

We are a 50+ year old foundry

SCOPE:

Manufacturer & suppliers of Grey and Ductile Iron castings (Machined and Un-machined casting) and sub Assemblies.

PLANT LOCATION



SANDFITS FOUNDRIES P LTD

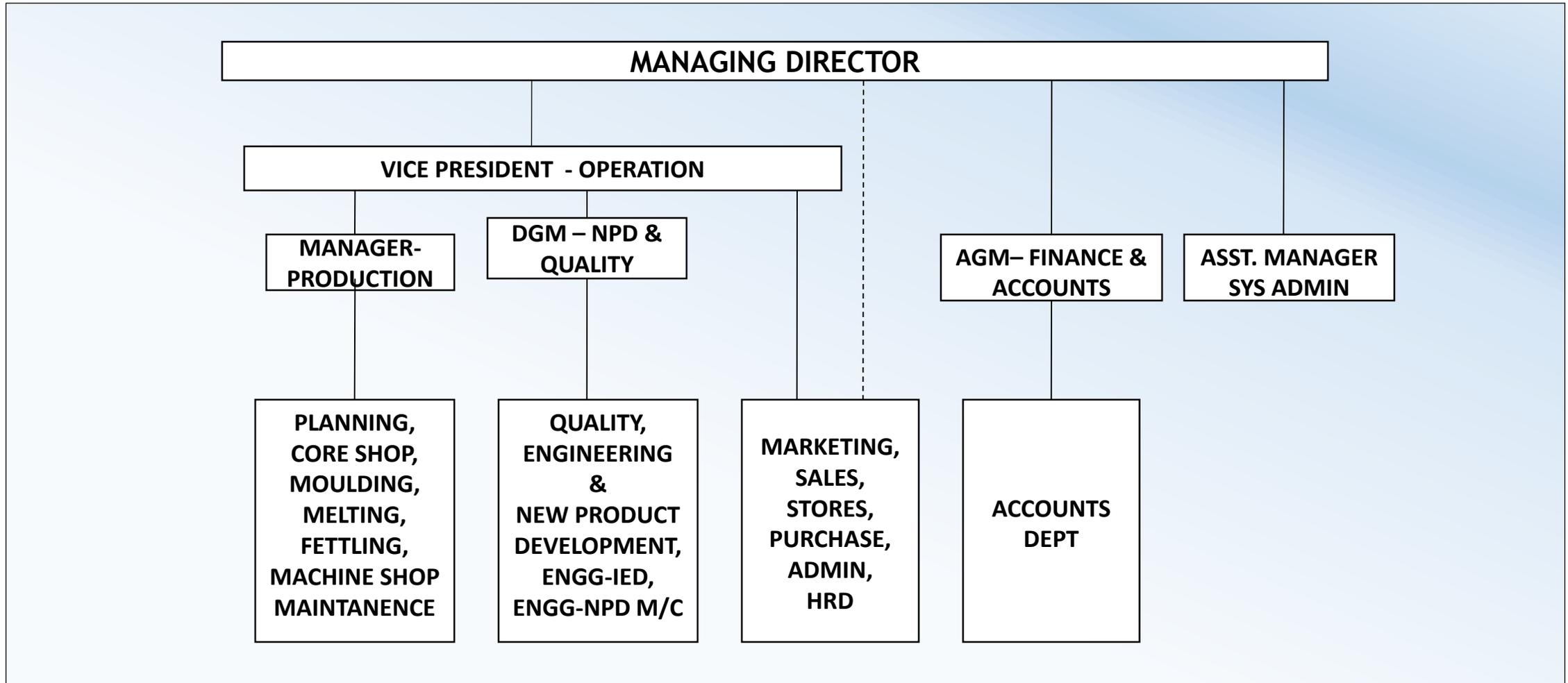
UNIT I



UNIT II



ORGANIZATION CHART



MILESTONES OF SANDFITS

- ❖ 1962 – Foundry Established
- ❖ 1997 – In-house M/c shop established & Commenced Exports
- ❖ 2007 – Sandfits Unit II commissioned.
- ❖ 2009 – Unit I-ISO/TS 16949:2002
- ❖ 2010 –SQ Mark certification by HMI
- ❖ 2010 – Six Sigma Black belt awarded by CATERPILLAR

SANDFITS FOUNDRIES P LTD

- ❖ 2011 - HPML Disamatch 24" x 28" Horizontal.
- ❖ 2012 – Best Performer award by ILJIN AUTOMOTIVE (HYUNDAI)
- ❖ 2013 – Best Supplier Award from TAFE for overall performance.
- ❖ 2013 – Best Foundry Award from IIF
- ❖ 2015 -VMC Machine added for in house pattern machining and online stack monitoring syste implemented.

GENERAL BACKGROUND

- PRODUCT RANGE:

TRACTOR :



Diff case Regular, IDB Axle Housing RH , IDB Axle Housing LH, Front engine support & Cylinder hydraulic lift.

AUTOMOTIVE:



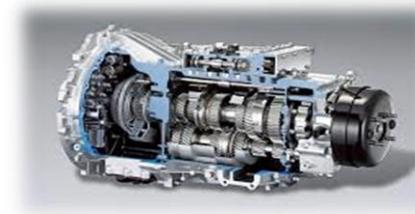
Brake Drum, Flywheel, Flywheel Housing , Spring brackets, . Diff. case. Timing gear case, under chases parts.

EARTH MOVING:



Planetary cases, wheel hub, Diff case, Rear wheel, Gear internal, Housings **and Knuckle**

GEAR TRANSMISSION:



Gear box housings, connecting cover, Planetary carriers,

GENERAL BACKGROUND

SECTOR FOCUS:

AUTOMOTIVE, EARTH MOVING, WIND ENERGY, TRACTOR, GEAR TRANSMISSION, VALVES, TEXTILE and GENERAL ENGG.

CLIENTELE LIST:

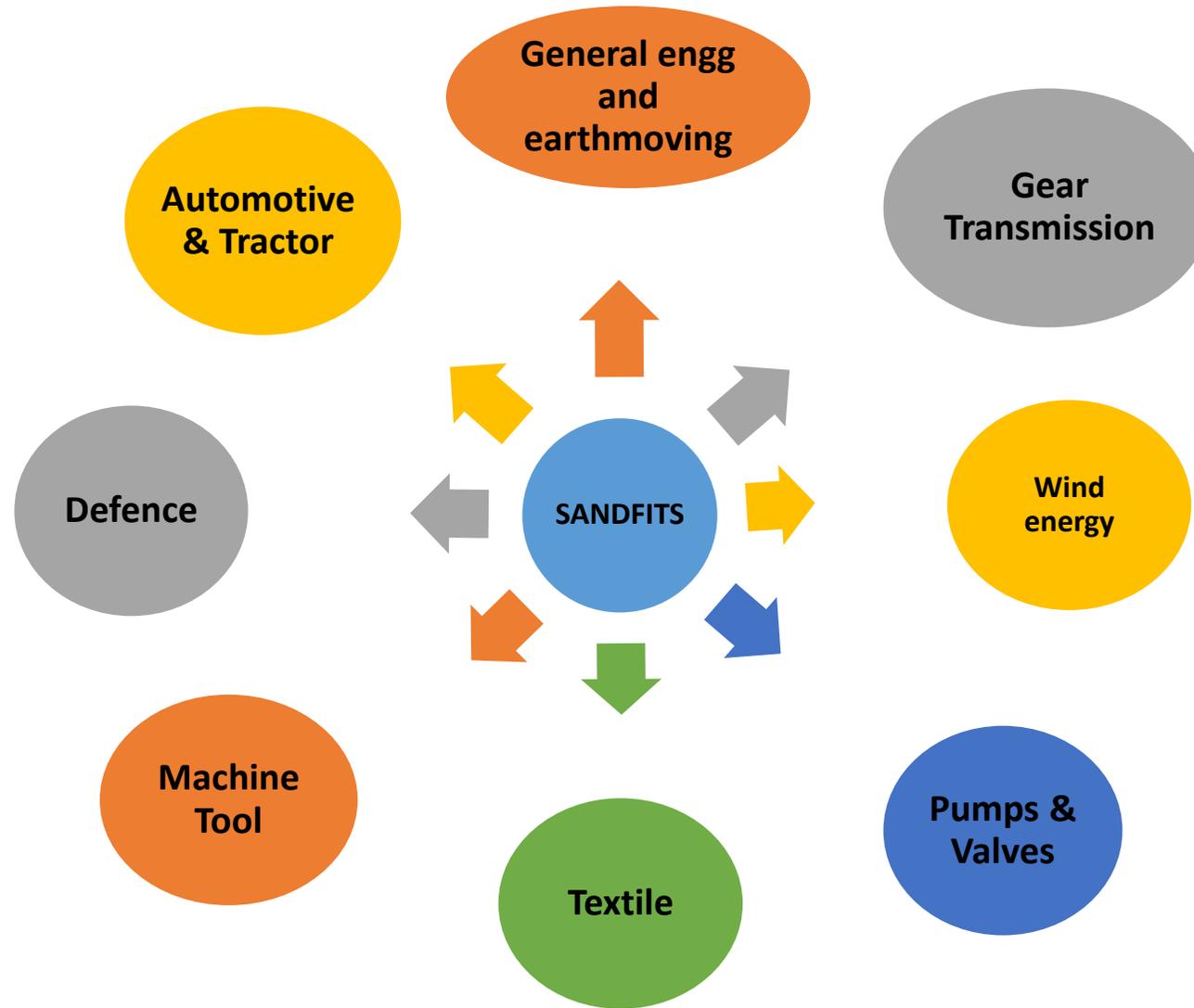
TAFE	ASHOK LEYLAND	ILJIN AUTOMOTIVES	DAIMLER	TATA CUMMINS
CATERPILLAR	AUTOMOITVE AXLES	WABCO	BERCO	ARVIN MERITOR
CARRARO	TRANSVAHAN	BONFIGLIOLI	L&T KOMATSU	SUNDRAM FASTNERS
MAINI	MAHLE LETRIKA ROOTS	PREMIUM TRANSMISSION	DANTAL HYDRAULICS	AVTEC
KTTML	SHAKTHI PRECISION	BRIDGESTONE	SAME DEUTZ	XOMOX

SHARE OF BUSINESS-SECTOR WISE:

AUTOMOTIVE:45%, TRACTOR:20%,

OFF ROAD:20%, OTHERS:15%

MARKET APPLICATION AREAS



PRODUCTION CAPACITY

UNIT I - GREEN SAND

- Plant installed capacity -24,000 / Tons Annum
- DISA MATCH(24 X 28) & ARPA 900 Moulding line
- From 3kg up to 80 kg/ piece

UNIT II - RESIN SAND

- Plant installed capacity – 10,000 / Tons Annum
- IMF Fast loop line and Hand Moulding
- From 80kg up to 4000kg/piece

PRODUCTION CAPACITY

UNIT I - GREEN SAND

DISA Horizontal HPML

Cake Size (610 x 710 x 248/248 mm)

Production Capacity – 100 Moulds Per Hour

Arpa 900

Box Size (900 x 680 x 300/300 mm)

Production Capacity – 40 Molds Per Hour

Cold Box core shooter - 4

Make: SPAN CBHP 600 & CBVP 300

Make: GS LH-20

Capacity: 30 & 15 Kgs

Shell core shooter - 1

- Make: SUSHA
- Capacity: 10 Lts

Induction Furnace - 5

- Make: Inductotherm
- Capacity: 1250KW 1.5 Ton x 5 Crucibles

UNIT II - RESIN SAND

Flask less

Cake Size(1500 x 1200 x 500/500 mm)

Production Capacity – 400 T per Month

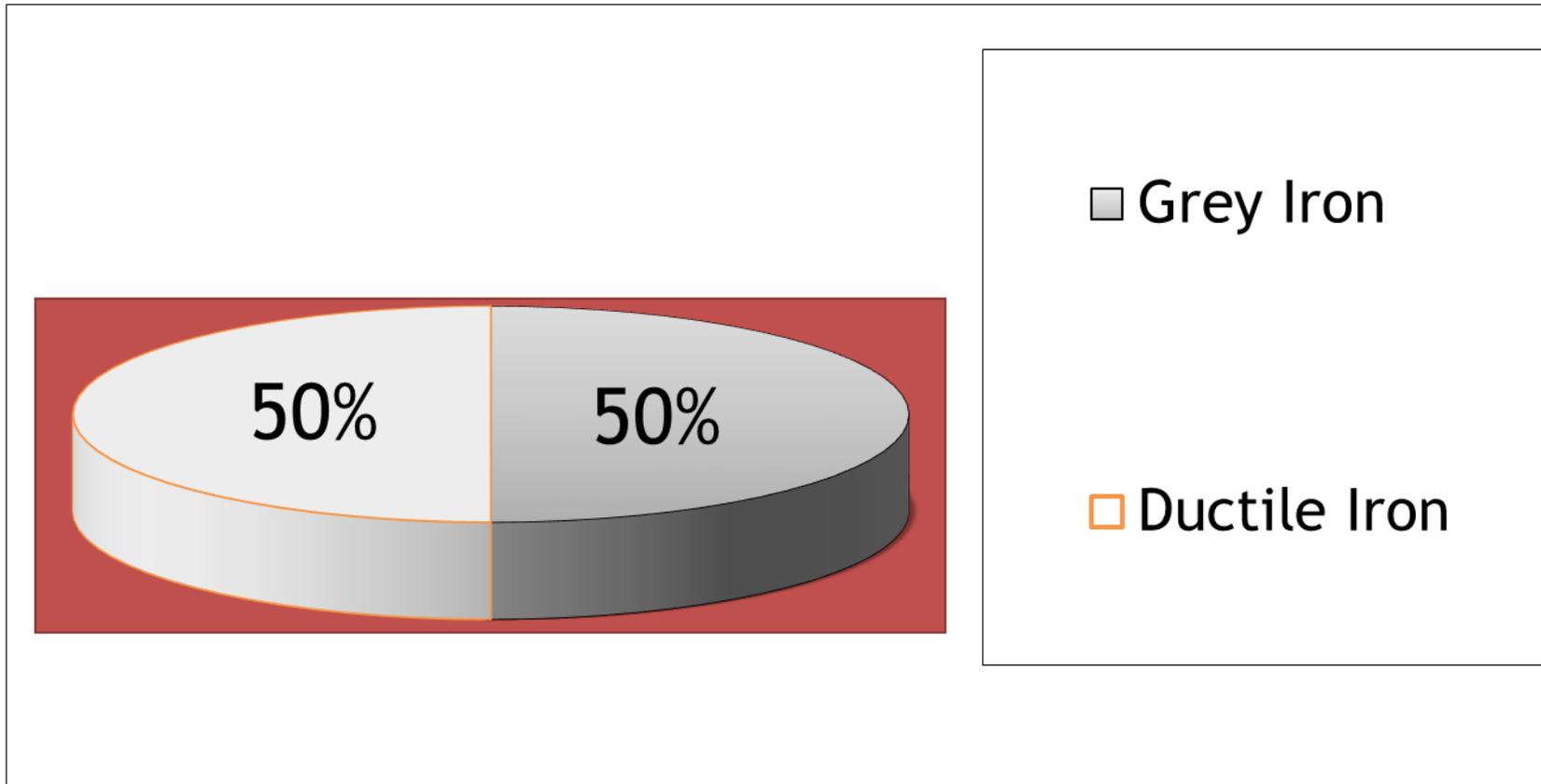
H.M (Resin sand)

Production Capacity – 400 T Per Month

Induction Furnace

- Make: Inducto therm
- Capacity: 1250KW 2.0 Ton x 2 Crucibles
- Capacity: 1250KW 5.0 Ton x 1 Crucible

MATERIAL WISE DISPATCH



SANDFITS FOUNDRIES P LTD

UNIT I



Cake Size (610 x 710 x 248/248 mm)
Production Capacity – 100 Molds Per Hour

UNIT II



Cake Size (1500 x 1200 x 500/500 mm)
Production Capacity – 400 T per Month

OTHER PRODUCTION FACILITIES



CB HP 600-COLD BOX



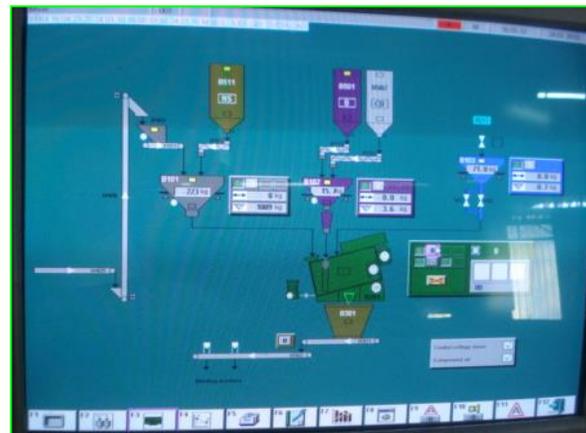
CB VP 300 COLD BOX



SHELL CORE SHOOTER



SAND MIXER



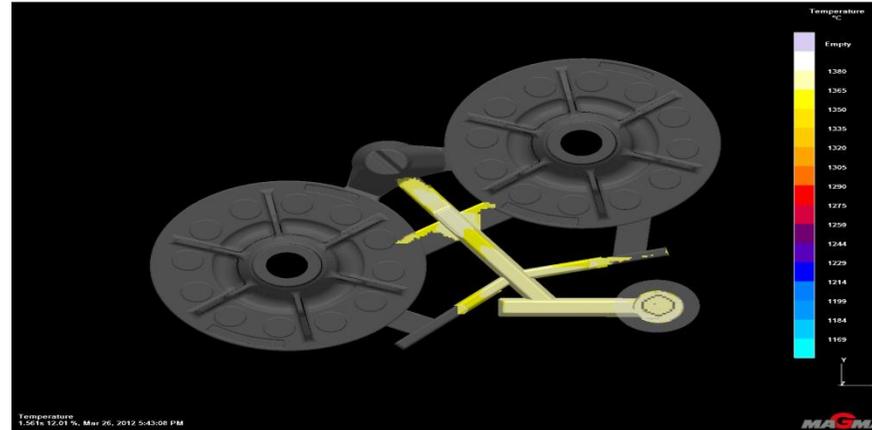
SAND MIXER- SCADA



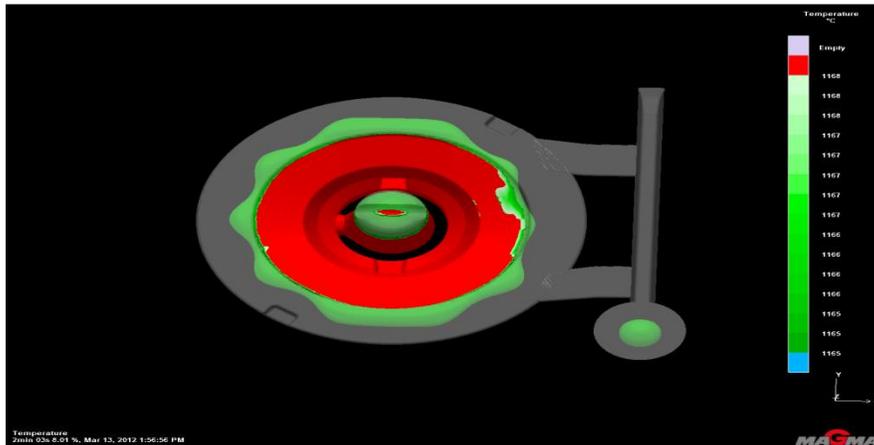
COVER OVEN

SIMULATION BY MAGMA SOFTWARE VERSION 5.3

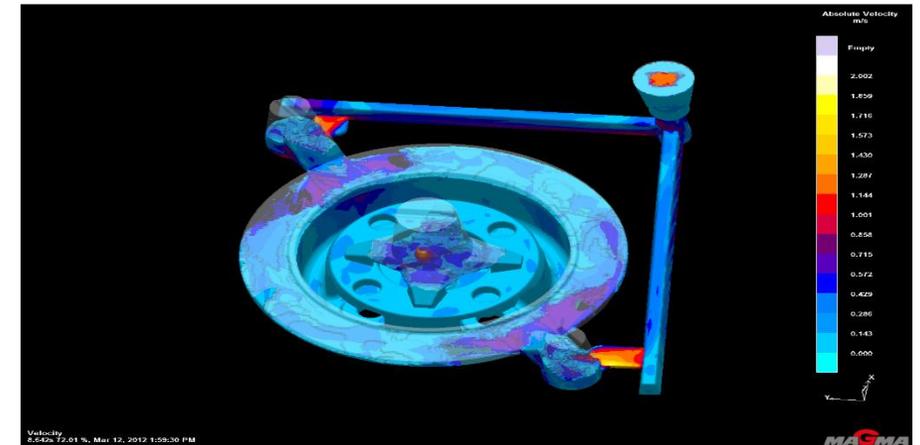
DIFFERENTIAL CASEWEIGHT-18.00 KGS GRADE-SG-500/7- POURING



**WHEEL HUB - WEIGHT-33.2 KGS
GRADE-SG-400/15-SOLIDIFICATION**



**PLANETARY- WEIGHT-33.79 KGS
GRADE-SG-500/7 -VELOCITY**



TESTING FACILITY

COORDINATE MEASURING MACHINE



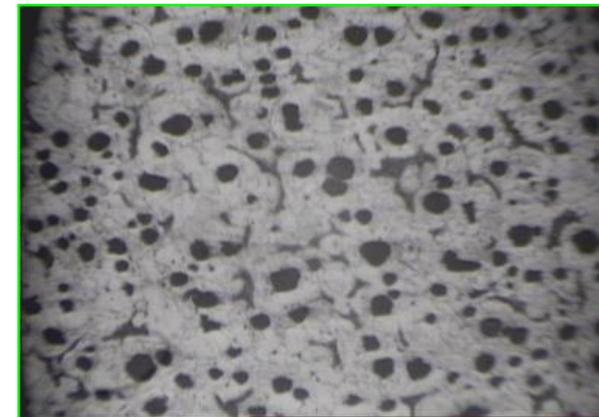
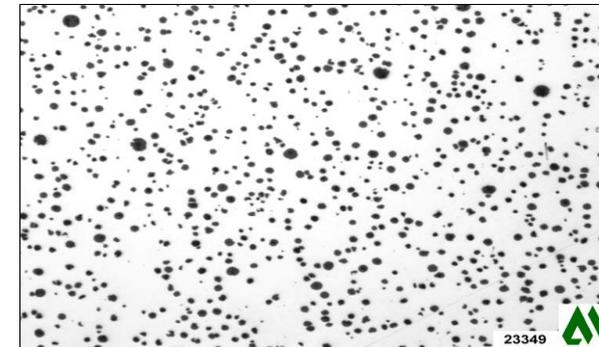
MODEL

BROWN AND SHARPE GLOBAL CLASSIC

TABLE SIZE (mm)

900 x 1200 x 800

MICROSTRUCTION ANALYSIS



MACHINE NAME	CAPACITY	NO. OFF
Inverted stage Metallurgical microscope with Image Analyzer	40X	01

CHEMICAL TESTING FACILITY



MACHINE NAME	CAPACITY	NO. OFF
Spectrometer	32 Elements	01

MECHANICAL TESTING FACILITIES



UNIVERSAL TESTING MACHINE - 40T



BRINEL HARDNESS TESTER



ROCKWELL HARDNESS TESTER



CHARPY IMPACT TESTER

QUALITY CERTIFICATIONS




CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

Sandfits Foundries Pvt. Ltd.
SF No.200/1A, Trichy Road, Ravathur Pirivu Kannampalayam (P.O)
Coimbatore - 641402, Tamil Nadu
INDIA

has established and applies
a Quality Management System for

**Manufacture of Grey Iron and Ductile Iron Castings
(Machined & Un-machined) for Engine, Chassis,
Transmission, Steering, Axle and Brake systems
for Automotive Application
(without Product Design as per Chapter 7.3).**

An audit was performed, Report No. **70009023**.
Proof has been furnished that the requirements
according to

ISO/TS 16949:2009
Third Edition 2009-06-15

are fulfilled.
Issue date: **2015-02-11**
Expiry date: **2018-02-10**

Certificate Registration No.: **12 111 12346 TMS**
IATF Certificate No.: **0203358**



Product Compliance Management
Munich, 2015-02-11

Page 1 of 1

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstraße 65 • 80339 München • Germany
www.tuev-sued.de/certificate-validity-check



SQ - CERTIFICATE

SPECIAL PROCESS :	FERROUS CASTING
CERTIFICATE NO :	HMI/SQ/71 - 10
GRADE :	B
VENDOR NAME :	SANDFITS FOUNDRIES (P) LTD
LOCATION :	COIMBATORE

We hereby issue the SQ Mark Certificate
for outstanding performance in the
Quality Management System Evaluation

SUPERVISION :	M/s ILJIN AUTOMOTIVE PVT LTD
SUPPORT :	M/s HYUNDAI MOTOR INDIA

EDGES COMPLETED

- Automatic Core oven installed.
- New GS LH 20 cold Box Core Shooter is installed.
- New version Spectro meter is installed.
- PLC Controlled semi automatic mould movement for ARPA 900 Installed

2013-14

2014-15

2015-16

- Conveyorized paint booth installed
- Work Management System (WMS) started
- Multi-gauge system installed for flywheel

- MPI – Machine added for surface crack deduction.
- In house pattern making facility added.
- Additional CNC machines for in-house machining added.
- Sand cooler (Multi cooler) installed for sand Temp Control.

PRODUCT TECHNOLOGY ROAD MAP

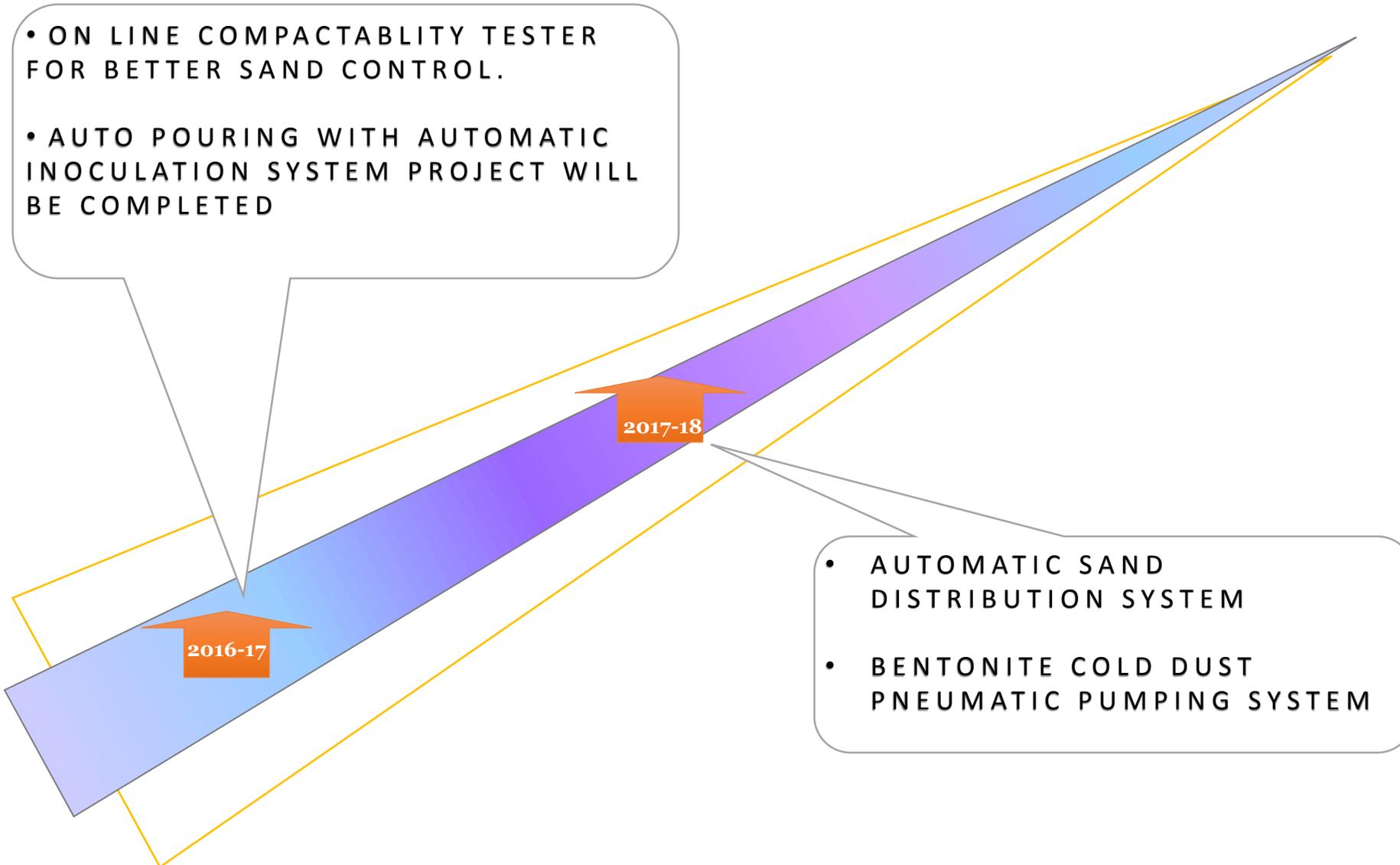
- ADDITIONAL CNC MACHINES FOR IN-HOUSE MACHINING WILL BE PLANNED
- FOCUS ON MARKETING / PRODUCTION OF ADI & CGI CASTINGS

2016-17

2017-18

- CNC FETTLING MACHINE FACILITY WILL BE DONE
- 3D SCANNING FACILITY FOR CASTING DIMENSION INSPECTION WILL BE PLANNED
- ADDITIONAL CNC MACHINES FOR IN-HOUSE MACHINING WILL BE PLANNED

PROCESS TECHNOLOGY ROAD MAP



MACHINESHOP UNIT - I



CELL NO :1 -DIFF CASE SUB ASSEMBLY

CUSTOMER :- TAFE

SL NO	TYPE OF MACHINE	MACHINE NAME	MAKE	SPEFICATION	QUANTITY
1	CNC VERTICAL TURNING CENTRE	YOUJI 250E	YOUJI	CHUCK DIA 250, x-550, Z-350	2 NOS
2	CNC VERTICAL TURNING CENTRE	YOUJI 200E	YOUJI	CHUCK DIA 200, x-450, Z-400	1 NO
3	VERTICAL MACHINING CENTRE	VMP 32 APC	FEELER	X-750,Y-400,Z-510 WITH AUTO PALLET CHANGER	1 NO
4	VERTICAL MACHINING CENTRE	FVP 1000	FEELER	X-1000,Y-350,Z-500	1 NO
5	HYDRAULIC PRESSING MACHINE	PRESSING M/C-01	SABARI HYDRAULICS	10 TON	1 NO
6	CONVENTIONAL LATHE	ANMOL -9C	HERBERT	CHUCK DIA 400, x-500, Z-1500	1 NO
7	CONVENTIONAL DRILLING MACHINE	GANG DRILLING	IFFCO	MT3 TAPPER,	1 NO
8	CONVENTIONAL DRILLING MACHINE	GANG DRILLING	BOTLIBOY	MT4 TAPPER,	2 NO

CELL NO :2 KAPPA FLYWHEEL

CUSTOMER :- ILJIN

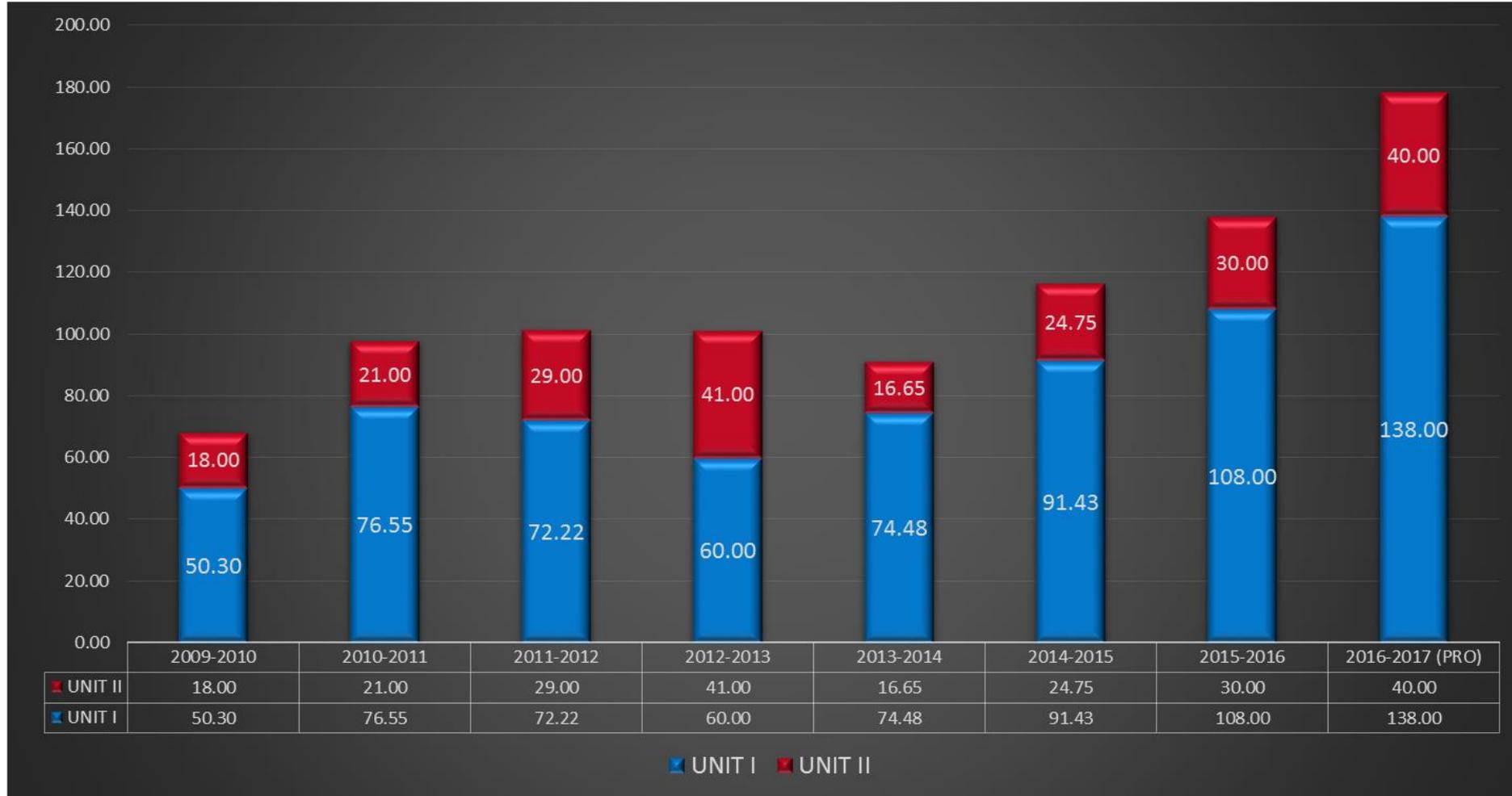
SL NO	TYPE OF MACHINE	MACHINE NAME	MAKE	SPECIFICATION	QUANTITY
1	CNC TURNING	ACE LT20 CLASSIC	ACE DESIGNERS	CHUCK DIA 300, x-400, Z-600	3 NOS
2	HOBGING-01	HOBGING	LORENZ	TABLE DIA 500	1 NO
3	HOBGING-02	HOBGING	LIBHER	TABLE DIA 450	1 NO
4	HOBGING-03	HOBGING	CUGIER	TABLE DIA 450	1 NO
5	LATHE	L-04	HMT	CHUCK DIA 300, x-400, Z-2000	1 NO
6	VERTICAL MACHINING	MAKINO -SLIM 3	MAKINO	x-500,Y-350, Z-400	1 NO

CELL NO :3 - ENGINE MOUNT BRACKET MACHININGCUSTOMER :- BRIDGE STONE AUTOMOTIVE

SL NO	TYPE OF MACHINE	MACHINE NAME	MAKE	SPEFICATION	QUANTITY
1	VERTICAL MACHINING CENTRE	VMP 30A	FEELER	X-750,Y-400,Z-510	1 NO
2	CONVENTIONAL VERTICAL MILLING	VMH 1	HMT	TABLE 500 X 400 X 500	1 NO
3	CONVENTIONAL HORIZANDAL MILLING	BFU 5	BOTLIBOY	TABLE 500 X 300 X 500	1 NO

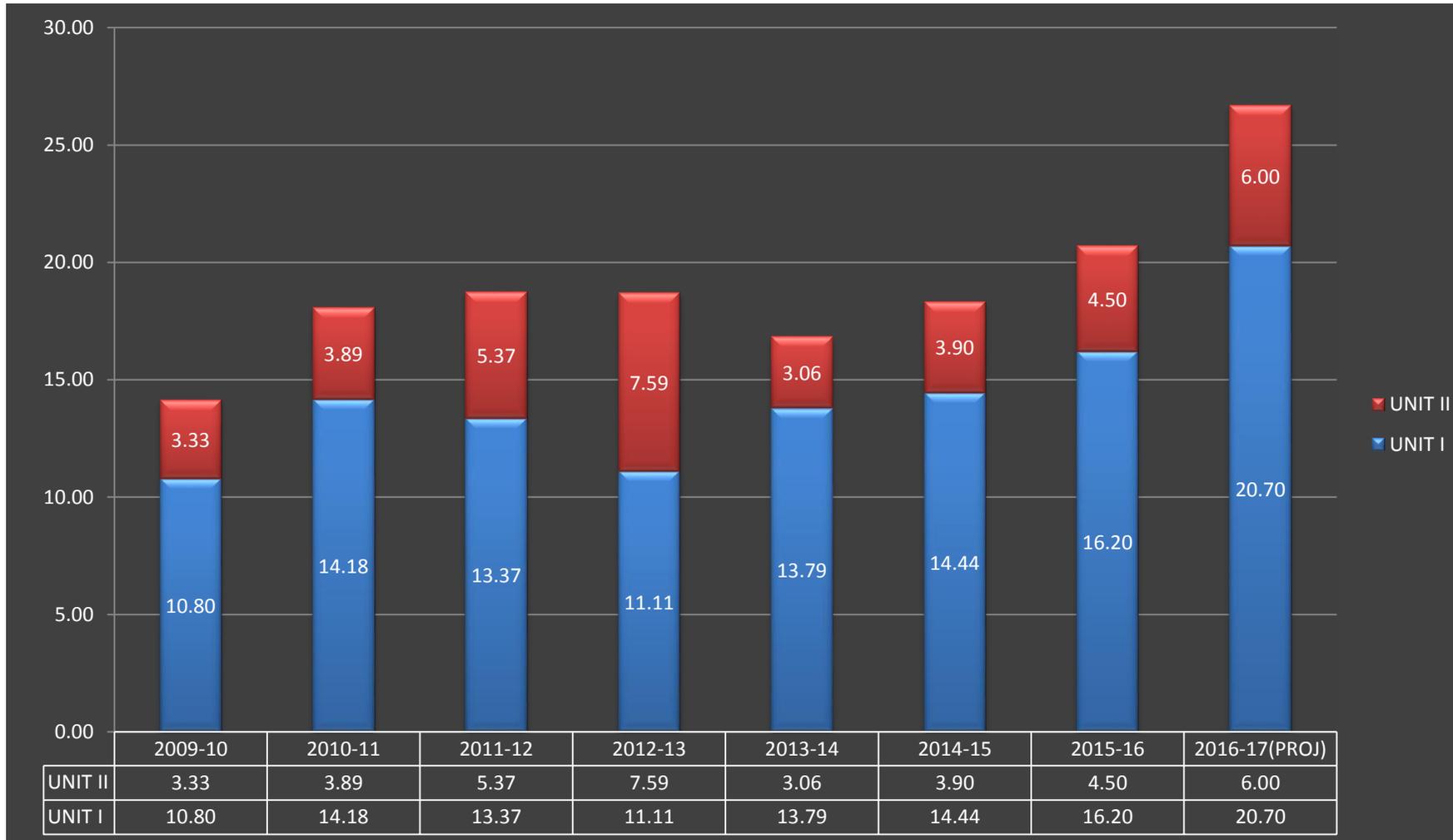
TURNOVER TREND

IN CRORES



TURN OVER TREND

IN MILLION USD



CASTING GALLERY - TRUCK PARTS



CASTING GALLERY - PASSENGER CARS



ENGINE MOUNTING BRACKETS FOR PASSENGER CARS



PETRO MOUNT - 1T3735-13

WEIGHT :0.750Kgs

DIESEL MOUNT -TO824-20

WEIGHT :2.20 Kgs



CASTING GALLERY ENGINE PARTS



CASTING GALLERY - GEAR TRANSMISSION



AGRICULTURAL GEAR BOX



HELICAL GEAR BOX



PUMP FALNGE, GEAR BOX



FORK HOUSING

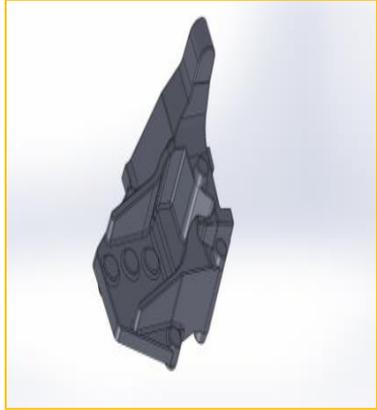


FRAME HOUSING



MOTOR FLANGE

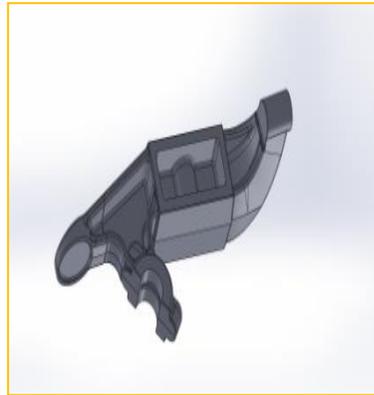
CASTING GALLERY - DAIMLER INDIA CHASIS PARTS



PART NAME: CONSOLE LH & RH

PART NUMBER: A 4003175801 & A4003175901

CASTING WEIGHT: 14KGS EACH

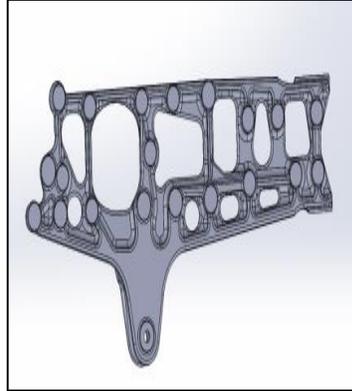
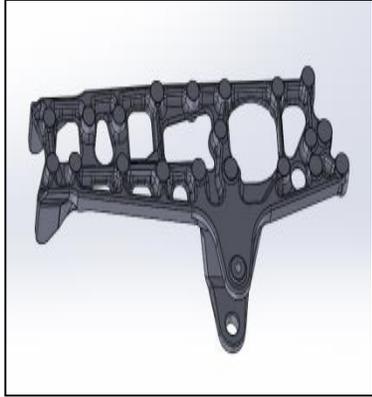


PART NAME: BASE LH & RH

PART NO A 4003231484 & A 4003231584

CASTING WEIGHT: 13KGS EACH

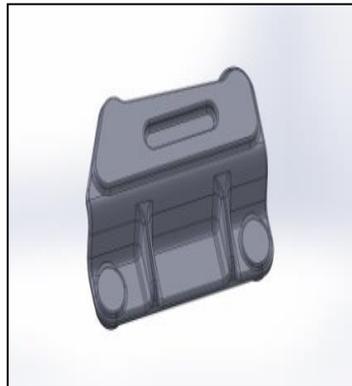
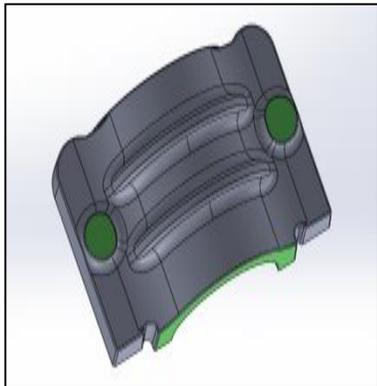
CASTING GALLERY - DAIMLER INDIA CHASIS PARTS



PART NAME: FRONT SPRING BRACKET (RIGID) LH & RH

PART NO : A4003220001/20101

CASTING WEIGHT: 28KGS EACH



PART NAME :BACKING SHEEL / MOUNTING BRACKET

PART NO : A 4003250042 & A 4005410726

CASTING WEIGHT: 15 & 3KGS

CASTING GALLERY - HYDRAULICS



Valve Block



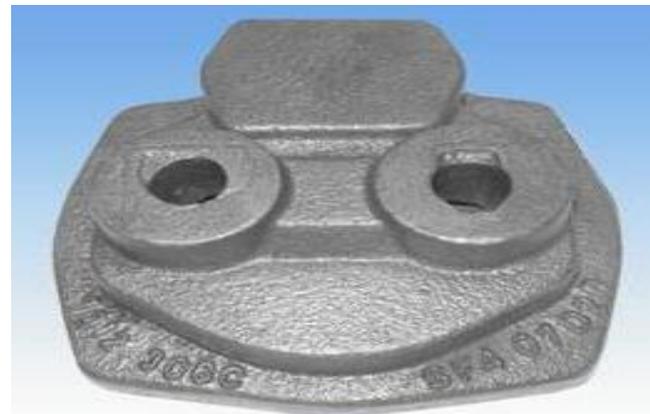
Rear Body



Rear Body



Valve Chamber



Back Plate



Back Plate

CASTING GALLERY - TRACTOR PARTS



REAR AXLE HOUSING LH
WT. 81 KGS



FRONT ENGINE SUPPORT



REAR AXLE HOUSING RH
WT. 81 KGS

CASTING GALLERY - GEAR HOUSING UNIT II PARTS



Main Housing
Casting Weight – 204 kgs



Housing Casting
Casting Weight – 85 kgs



Retainer Transmission
Casting Weight – 65 kgs

CASTING GALLERY - WIND MILL PART UNIT II



PUMP HOUSING



UPPER HOUSING

CASTING GALLERY - EARTH MOVING PARTS UNIT - II

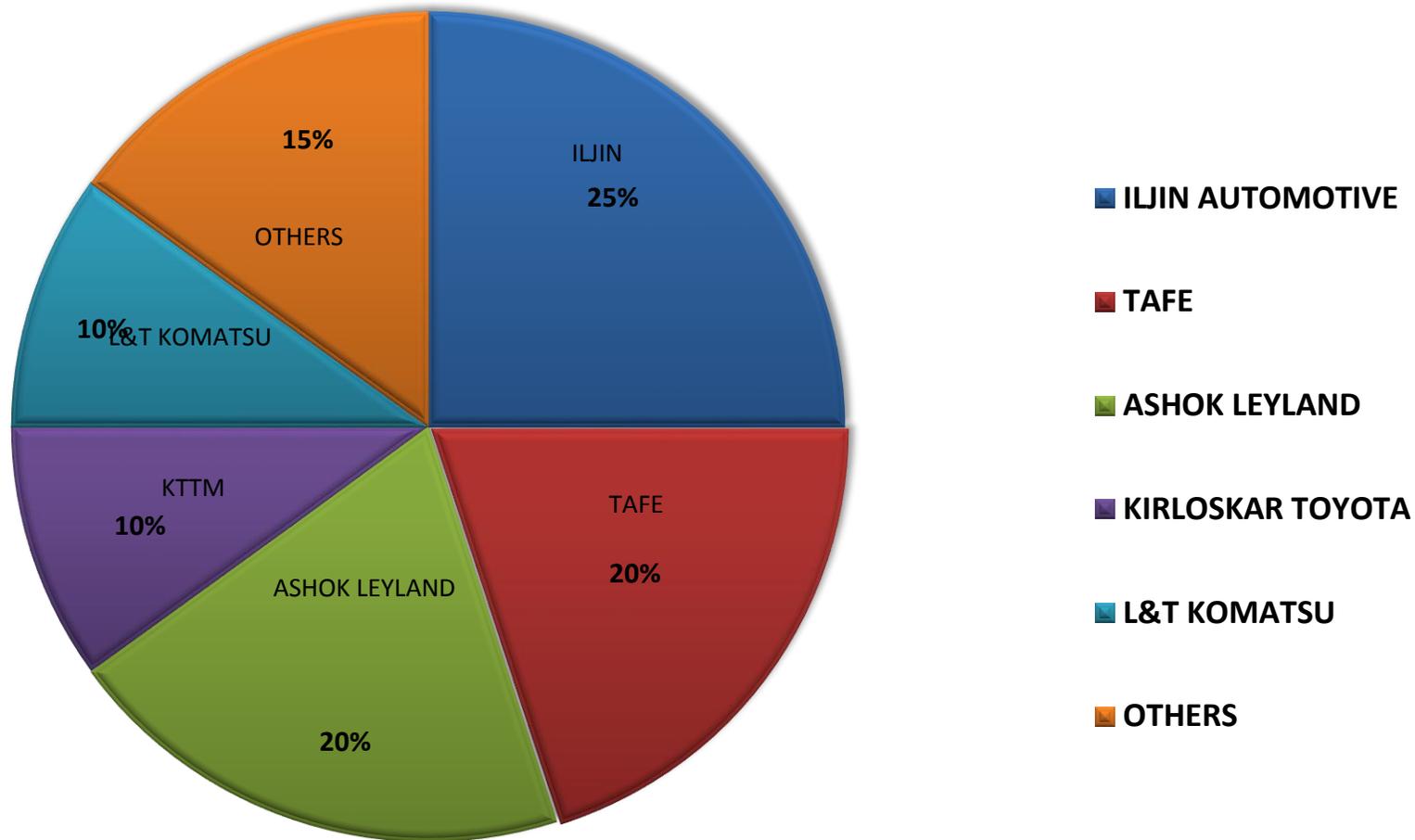


CASTING WEIGHT - 1.2 Tons



CASTING WEIGHT - 1.2 Tons

SHARE OF BUSINESS - CUSTOMER WISE



CLIENTELE

Customers - Export



CONTACT US

UNIT I:

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Ravathur Pirivu,
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enquiry@sandfits.com
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Fax No: 91-422-2687435

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Coimbatore,
Tamil Nadu - 641402 India.
Email : marketing2@sandfits.com,
enquiry2@sandfits.com
Ph.No: 04255 264085/86

VICE PRESIDENT:

Mr.R.THIRUPPATHIVASAGAM

Email : rtv@sandfits.com

Ph.No: 91 9500499929

Website: www.sandfits.com

THANK YOU



SANDFITS

CASTING EXCELLENCE

Manufactures of Grey and Ductile Iron castings



S A N D F I T S

UNIT - I

Established in the year 1962

GREEN SAND PROCESS

Castings Wt- 3 to 80 kgs

24000 tons/Annum

UNIT - II

Established in the year 2007

RESIN SAND PROCESS

Castings Wt- 80 to 4000 kgs

10000 tons/Annum

PRODUCTION FACILITY

SAND PLANT

Make :- Eirich Mixer

Sandmix Tons/Hr- 27

Make :- IMF 2 (Nos)

Sandmix Tons/Hr- 25 & 20

MOULDING



DISA Horizontal HPML

Cake Size (610 x 710 x 248/248 mm)

Production Capacity – 100 Moulds Per Hour

Arpa 900

Box Size (900 x 680 x 300/300 mm)

Production Capacity – 40 Moulds Per Hour



IMF FAST loop Moulding line

Cake Size(1500 x 1200 x 500/500 mm)

Production Capacity – 400 T per Month

H.M (Resin sand)

Production Capacity – 400 T Per Month

MELTING

Make: Inductotherm

Capacity: 1250KW 1.5 Ton x 5 Crucibles

Make: Inductotherm

Capacity: 1250KW 2.0 Ton x 2 Crucibles

Capacity: 1250KW 5.0 Ton x 1 Crucible

Various Cold box and shell core shooters

QUALITY ASSURANCE

Coordinate measuring Machine



Spectrometer



- ☑ Universal testing machine 40 tons capacity with electronic extenso meter.
- ☑ Charpy Impact tester.
- ☑ Metallographic laboratory with image analyzer.
- ☑ Thermal Analysis software (ITACA).
- ☑ In-house NDT facility – MPI, LP& UT .
- ☑ CMM -Brown and Sharp. Model Global Classic –Table Size - 900*1200*800.
- ☑ ARL 3460 OES spectrometer capable to test 32 elements with ultra-low nitrogen channel.
- ☑ SCADA controlled fully automatic sand plant integrated with online moisture control system and multi cooler.
- ☑ Inbuilt sand quality testing facility at sand mixer for automatic sand preparation with product specific requirement.

WELL EQUIPPED IN - HOUSE MACHINE SHOP



CNC : Max. Turning Dia. 350 mm, 500 mm long

VTL : Max. Turning Dia. 350 mm, 400 mm long

VMC : Auto Pallet Changer, 600 x 600 mm pallet size

VMC : BFW Astra BMV 70 TC2H - 1500 x 800 x 700.

Hobbing Machine : Max Module 6, dia. 250 mm & face width 350 mm

OUR PRODUCT - UNIT - I



Axle Housing
Weight : 80Kgs



Axle Stop D
Weight : 8 Kgs



Backing Shell
Weight : 15 Kgs



Front Spring Bracket
Weight : 27 Kgs



Bearing Bracket
Weight : 28 Kgs



Front Hub
Weight : 30 Kgs



Fly Wheel Housing
Weight : 32 Kgs

OUR PRODUCT - UNIT - II



Front Linkage Support
Weight : 152 Kgs



Central Bearing Block
Weight : 1500 Kgs



Upper Housing
Weight : 598 Kgs



Rear Wheel
Weight : 1112 Kgs



Housing Transmission
Weight : 250 Kgs



Gear Cover
Weight : 420 Kgs



Housing Converter
Weight : 145 Kgs

SANDFITS FOUNDRIES PRIVATE LIMITED

CASTING EXCELLENCE

Since 1962



UNIT - I

S.F.No. 200/1A, Trichy Road, Ravathur Pirivu,
Kannampalayam Post, Coimbatore,
Tamil Nadu – 641 402, India.

☎ 0422-2687293, 2688293

☎ 91-422-2687435

✉ marketing1@sandfits.com / enquiry@sandfits.com

UNIT - II

S.F.No. 191/2, Selakarichal Road,
Appanaickenpatti post, Palladam Taluk,
Coimbatore, Tamil Nadu - 641402 India.

☎ 04255 264085/86

✉ marketing2@sandfits.com / enquiry2@sandfits.com



- ✓ Leading manufacturers of Grey and Ductile Iron castings in India.
- ✓ Capable of supplying ADI and CGI castings.
- ✓ Capable of supplying fully machined and sub assembled castings.
- ✓ Company runs on customized ERP systems for entire operations.
- ✓ Capable of supplying Casting weight ranges from 3 to 4000 kgs.
- ✓ Simulation by Magma Software 5.3 version.
- ✓ Well experienced Technical Team
- ✓ Well Equipped in House Machine shop to supply castings through Milkrun system

UNIT - I



ISO/TS 16949:2008

UNIT - II



ISO 9001 : 2008

