



MCC ALCAST PVT. LTD.

(ISO 9001:2015)

Die Making, **Casting** & Machining





STARTUP VISION AND COMPANY OVERVIEW

- ❑ Started in January 2011 with a vision to provide integrated solution from Die making, Casting and Machining and validating cylinder head dies

“Die Making, Casting & Machining”

COMPANY OVERVIEW

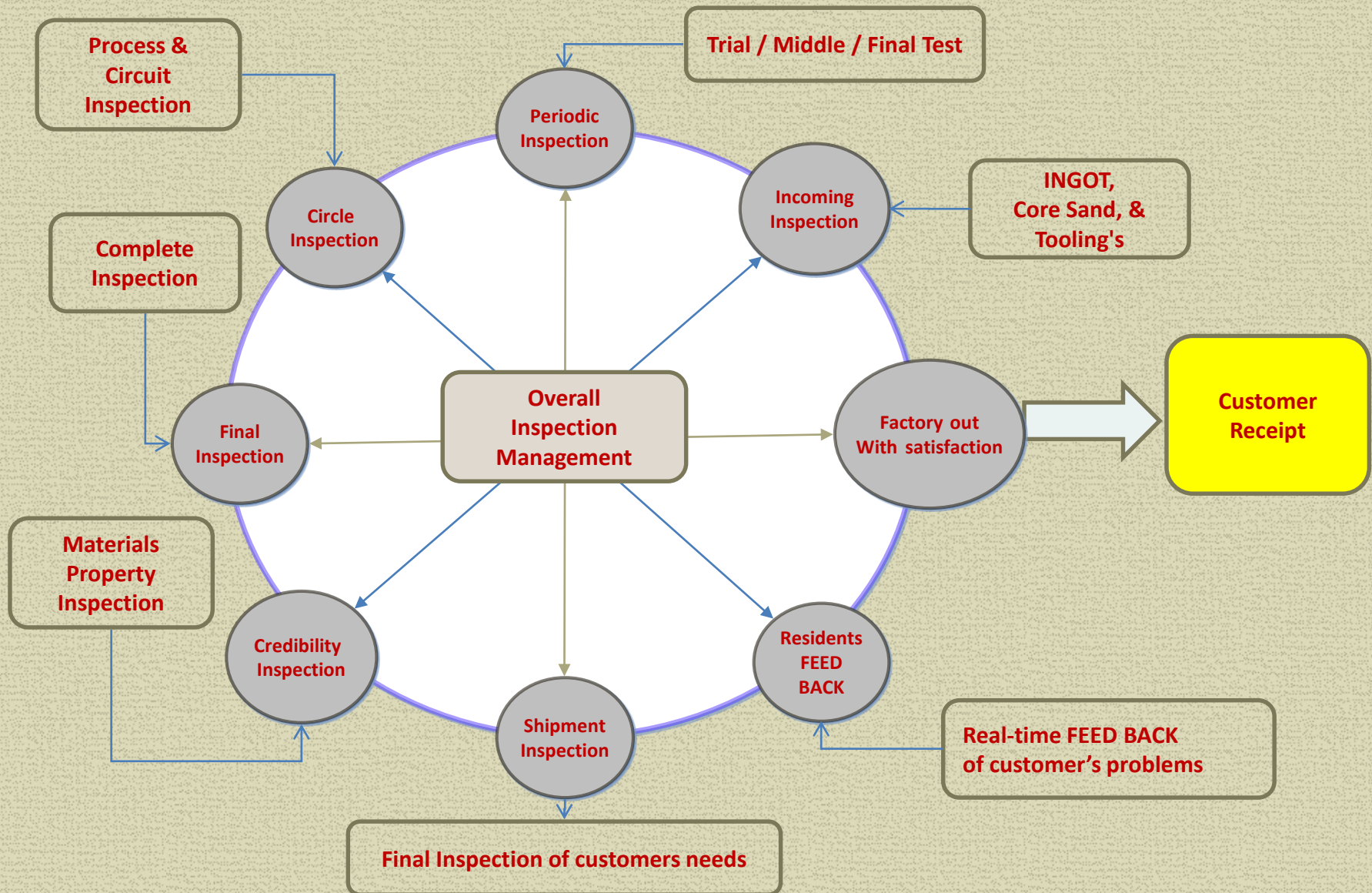
- ❑ **Company Name** MCC Alcast Pvt. Ltd.
- ❑ **Established** January, 2011
- ❑ **Employees** 45
- ❑ **Type of Business** Manufacturing and validation of Aluminium Castings for Automotive & Non Automotive Applications
- ❑ **Key Products** Cylinder Heads, Manifold, Oil Transfer plate, Castings for Electronic, Electrical and Machine Tool Industry etc.
- ❑ **Total Investments** INR 75M (2017)
- ❑ **Certificates** ISO 9001:2015
- ❑ **Location** Plot No.43, Jaahnavi Industrial Area, Hanchipura Village Nelamangala Taluk, Bangalore Rural
- ❑ **Strengths** Die development, Die validation, Process validation, Batch & Mass production and Customized solutions

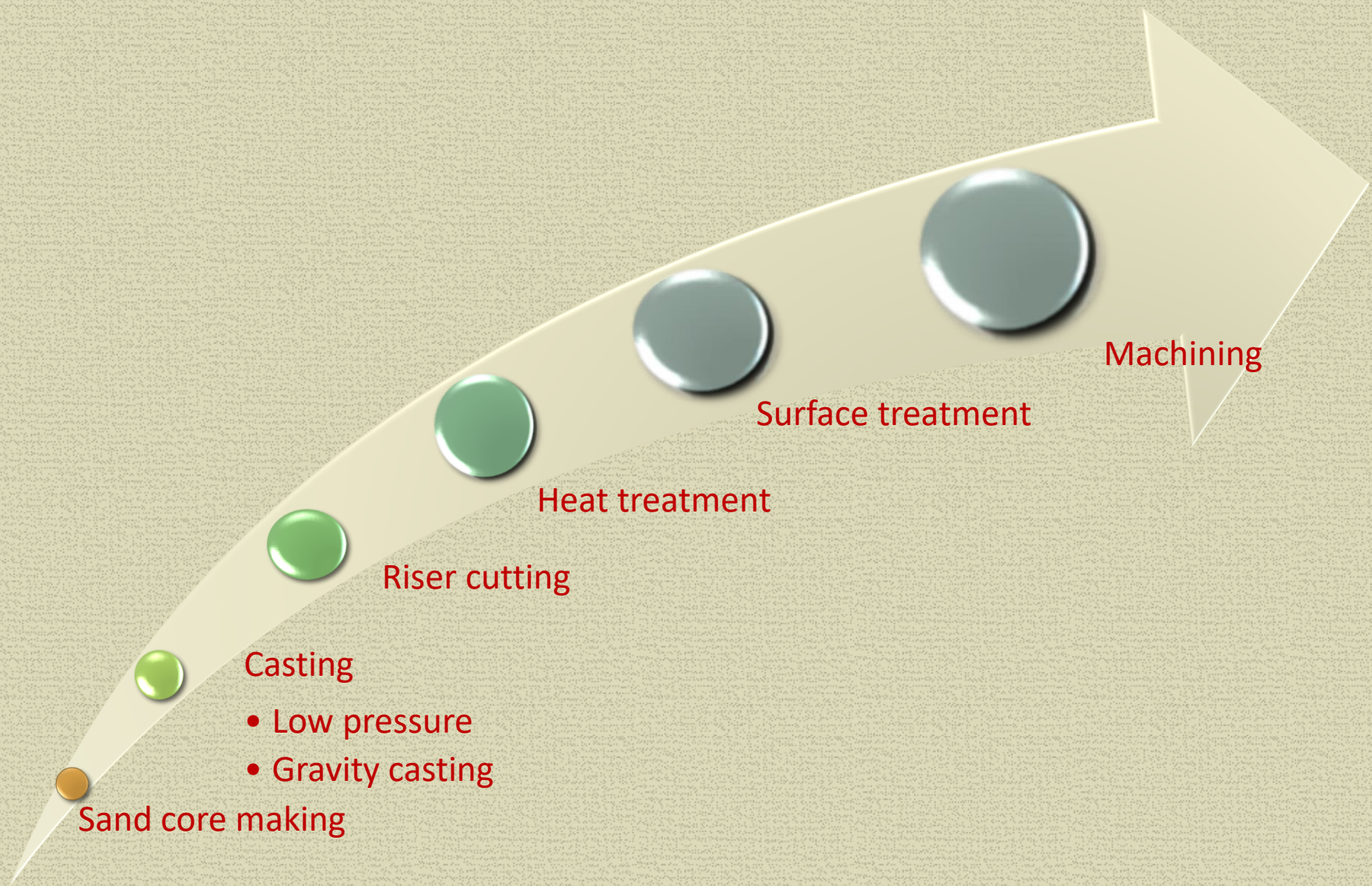
- ❑ Bosch India Limited – Tier 2
- ❑ Avtec Limited
- ❑ Biesse Manufacturing Systems
- ❑ Hical Technologies Pvt. Ltd.
- ❑ Dynamatic Technologies Ltd.
- ❑ Marvel Technology & Tools Pvt. Ltd.
(Validation of Cylinder Head dies for Honda Motorcycle & Scooter India Pvt. Ltd.)
- ❑ Raychem Electronics, Mumbai
- ❑ Hero Motocorp Limited (For Proto and Piolet Components)



MANUFACTURING CAPACITY

Casting Method	Production Capacity / Working area		Total /Annum	Spare Capacity
	Cylinder Head	GDC Castings (Pumps & Housing, Oil Transfer Plate etc.)		
GDC	-	300 Tons	300 Tons	380 Tons
LPDC	50,000 Nos.	-	50,000 Nos.	40,000 Nos.
Total Buildup Area		15500 sq feet		
Total Area		19300 sq feet		







Electrical Melting Furnace – 2 Nos Tilt with 300 Kgs. Crucible Type



Electrical Melting / Holding Furnace – 5 Nos. 300 Kgs., Crucible Type



Mobile Rotary De-gassing



LPDC Machine 500 Kgs. Holding Furnace, 900mm x 900mm Platen, 4 sides core pull & Fully Automatic



Tilt Type GDC Machine 2 Nos 90° Tilt Angle,(800mm x 800mm and 450mm x 800mm Platen



Stationary GDC Machine 4 Nos
800 x 800 x 600mm Size



Shell Core Shooting M/c
Roll Over Type,
750mm x 750mm Platen



Shell Core Shooting M/c
1518 VTA,
Platen Size 15" x 18"

Shell Core Shooting M/c
1822 VTA,
Platen Size 18" x 22"



Precipitation Hardening Furnace Chamber Size 1 x 1 x 1m

(Solutionising Outsourced)



Shot Blasting Machine
Double Door Hanging Type,
1m Cube Chamber



- ❑ Band Saw – 2 Nos.
- ❑ Double Column Horizontal Band Saw Machine – 1 Nos.
- ❑ Belt Grinders – 4 Nos.
- ❑ Milling Machine – For Risers Machining
- ❑ Material handling equipment up to 3Ton
- ❑ Brennel Hardness Tester

- ❑ **Customer: Marvel Technology & Tools Pvt. Ltd.**
(For Mahindra Two Wheelers Ltd. for New 110cc Engine)

Project Description: Trial for validation of Die, Casting Process, Dimension & Productivity and batch production of 2 Wheeler Cylinder Heads (LPDC)



- ❑ **Customer: Marvel Technology & Tools Pvt. Ltd.**
(For TATA Motors)

Project Description: Trial and Validation of Manifolds (GDC)



- ❑ **Customer: Marvel Technology & Tools Pvt. Ltd.**
(For Hero Motocorp Ltd.)

Project Description: Trial and Validation of Inlet Pipe (LPDC)



❑ **Customer: Dynamatic Technologies Limited**

Project Description: Design, Validation and Production of Pump Housing (GDC)



**Pump Housing
Weight – 1.4 kgs.**



**Pump Housing
Weight – 4.6 kgs.**



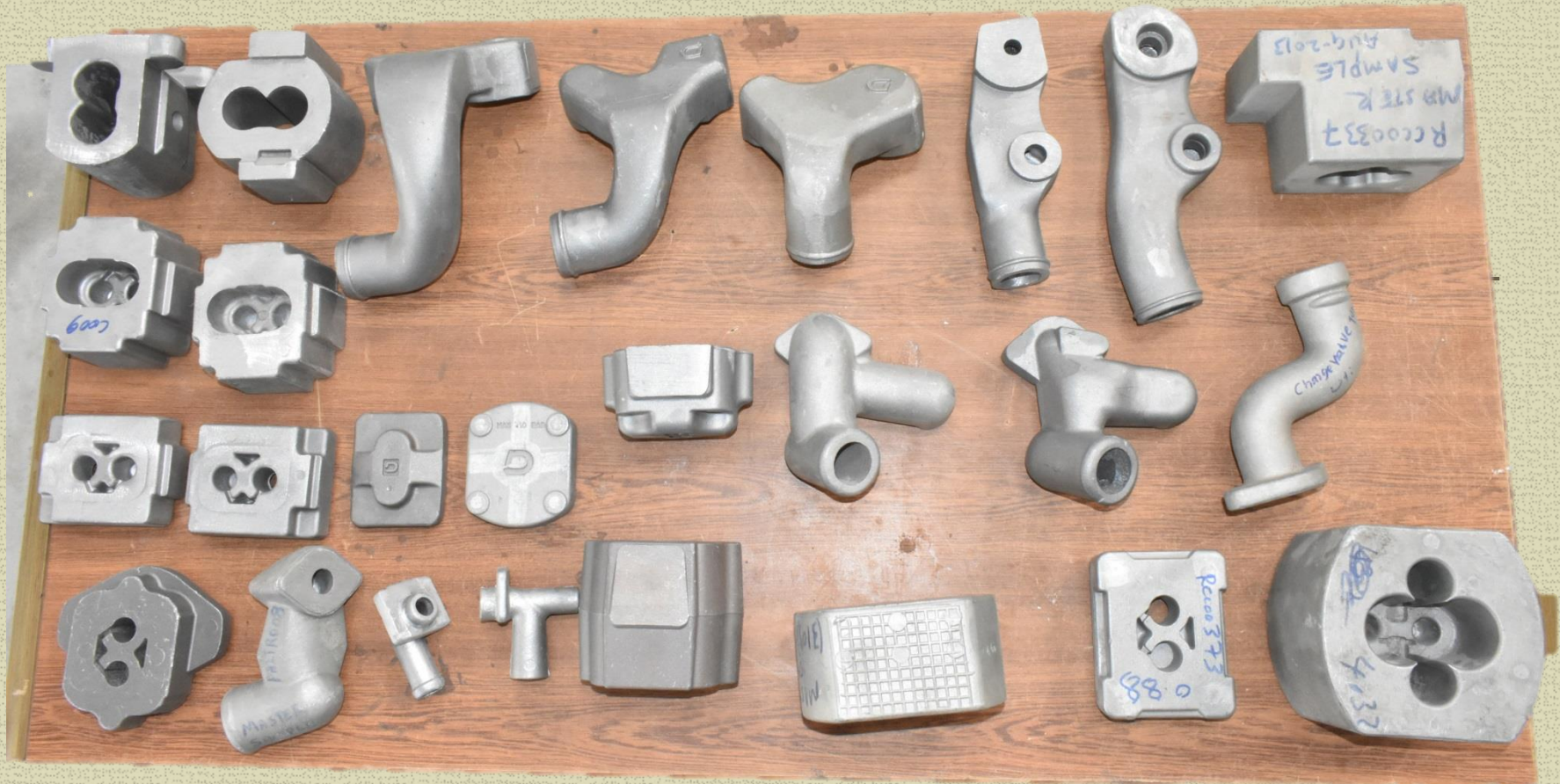
**Pump Housing
Weight – 2.3 kgs.**



MAJOR PROJECTS EXECUTED

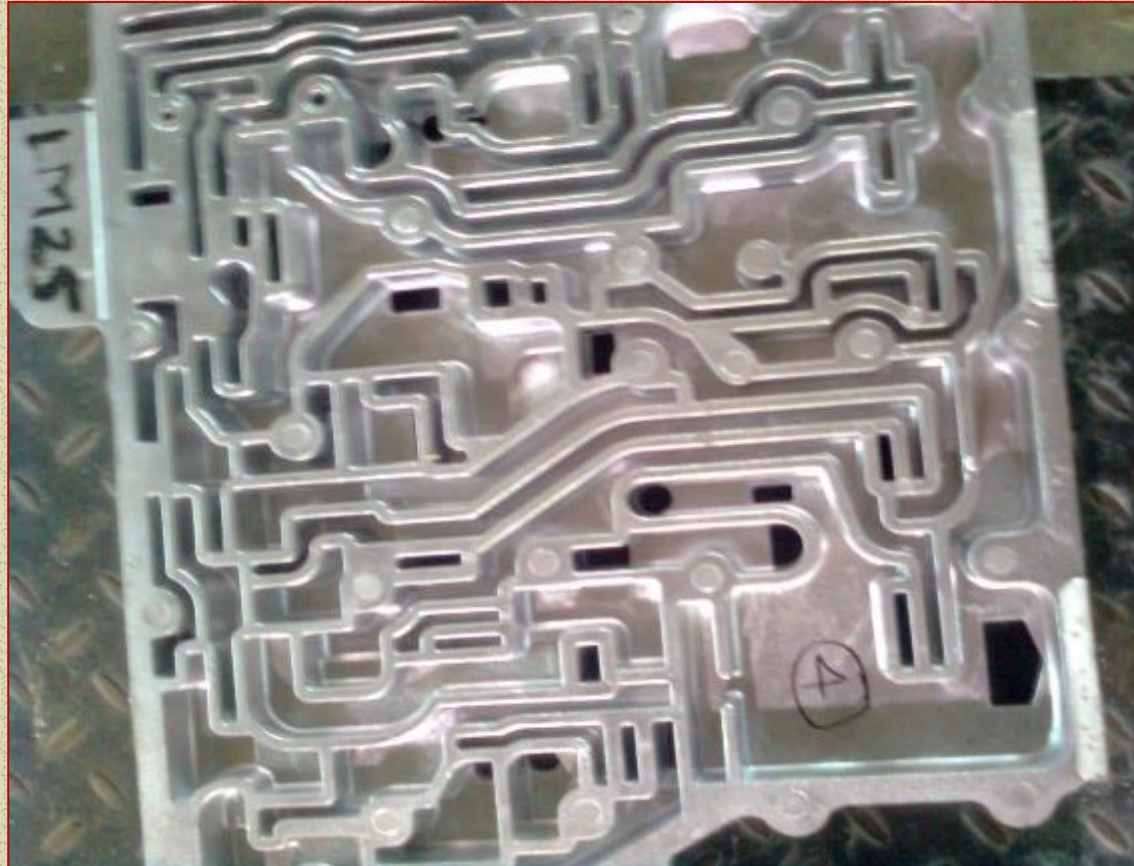
❑ Customer: Dynamatic Technologies Limited

Project Description: Design, Validation and Production of Pump & Manifolds (GDC)



❑ **Customer: Avtec Limited**

Project Description: Design, Validation and Production of Oil Transfer Plate (GDC)



**Oil Transfer Plate
Weight – 6 kgs.**

❑ **Customer: Avtec Limited**

Project Description: Design, Validation and Production of Stator (GDC)



**Stator
Weight – 4 kgs.**

❑ Customer: Biesse Manufacturing Systems

Project Description: Design, Validation and Production of Machine Arms & Brackets (GDC)



Machine Arm
Weight – 9.2 kgs.



Bracket
Weight – 9.5 kgs.



Bracket
Weight – 15 kgs.

❑ **Customer: Bosch India Limited**

Project Description: Design, Validation and Production of Stator Housing (GDC)



**Stator Housing
Weight – 1.3 kgs.**

❑ **Customer: Hical Technologies Pvt. Ltd.**

Project Description: Design, Validation and Production of Counter Case (GDC)



**Counter Case
Weight – 1.6 kgs.**



Last three years with DTL

YEAR WISE DETAILS FROM 2015-16 TO 2017-2018 DISPATCH(KGS) AND AMOUNT(RS)											
APR 2015 TO MAR 2016				APR 2016 TO MAR 2017				APR 2017 TO MAR 2018			
Month	Dis In Qty	Dis In Kgs	Amout	Month	Dis In Qty	Dis In Kgs	Amout	Month	Dis In Qty	Dis In Kgs	Amout
Apr-15	3780	2720	730067	Apr-16	10256	8114	1993895	Apr-17	18966	16244	5257838
May-15	4366	3260	816380	May-16	1150	9541	2342523	May-17	16083	13243	4209497
Jun-15	8093	5916	1511637	Jun-16	12761	10424	2552851	Jun-17	9160	7417	2844109
Jul-15	12161	16491	2368685	Jul-16	12604	11416	2790750	Jul-17	17451	14145	4105003
Aug-15	12337	9968	2518183	Aug-16	21063	17508	4323877	Aug-17	21049	17697	5107302
Sep-15	13164	1048	2608407	Sep-16	15555	14253	3519157	Sep-17	20046	15713	4566499
Oct-15	8496	5731	1399597	Oct-16	9176	8071	2006575	Oct-17	18634	14882	4496847
Nov-15	9379	7817	1959682	Nov-16	15580	13702	3392336	Nov-17	14605	11957	3525334
Dec-15	6396	5200	1307081	Dec-16	15980	13865	3436978	Dec-17	25655	21438	6522547
Jan-16	5894	5222	1286568	Jan-17	14059	11977	2957978	Jan-18	4142	3650	1062369
Feb-16	1176	9716	2311754	Feb-17	10015	9280	2300501	Feb-18	12560	9889	3034286
Mar-16	8122	6463	1510936	Mar-17	8372	6744	1640035	Mar-18	15286	12103	3697185
Total	93364	79552	20328977	Total	146571	134895	33257486	Total	193637	158378	48428816

Contact Details

- N. Subba Rao
- MCC AlCast Pvt Ltd
- Plot No.43, Jahnavi Industrial Area,
- Off Kunigal Road, Hanchipura Village
- Nelamangala Taluk,
- Bengaluru Rural Dist. – 562123
- Mail: rao@mccalcast.in
- Mob: 8861786957

Thanks