

MASTER GASKETS PVT. LTD.

HPDC & Machining Unit

An IATF 16949:2016 Certified Company



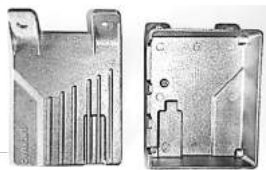
Manufacturers of High Quality, Machined
Aluminum Pressure Die Casting
Components

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Overview

Established in 1998, the company started with manufacture of Metallic Gaskets and has diversified to Precision sheet metal parts and kept on adopting latest design and manufacturing techniques. The company diversified further to Aluminum Pressure Die Casting in the Year 2018.

A Private Limited company with a CRISIL 2* (2nd Highest) ratings and with a very experienced Management and staff with a mix of domain experience and talent has been the key to the success of the company.



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Overview – Journey so far

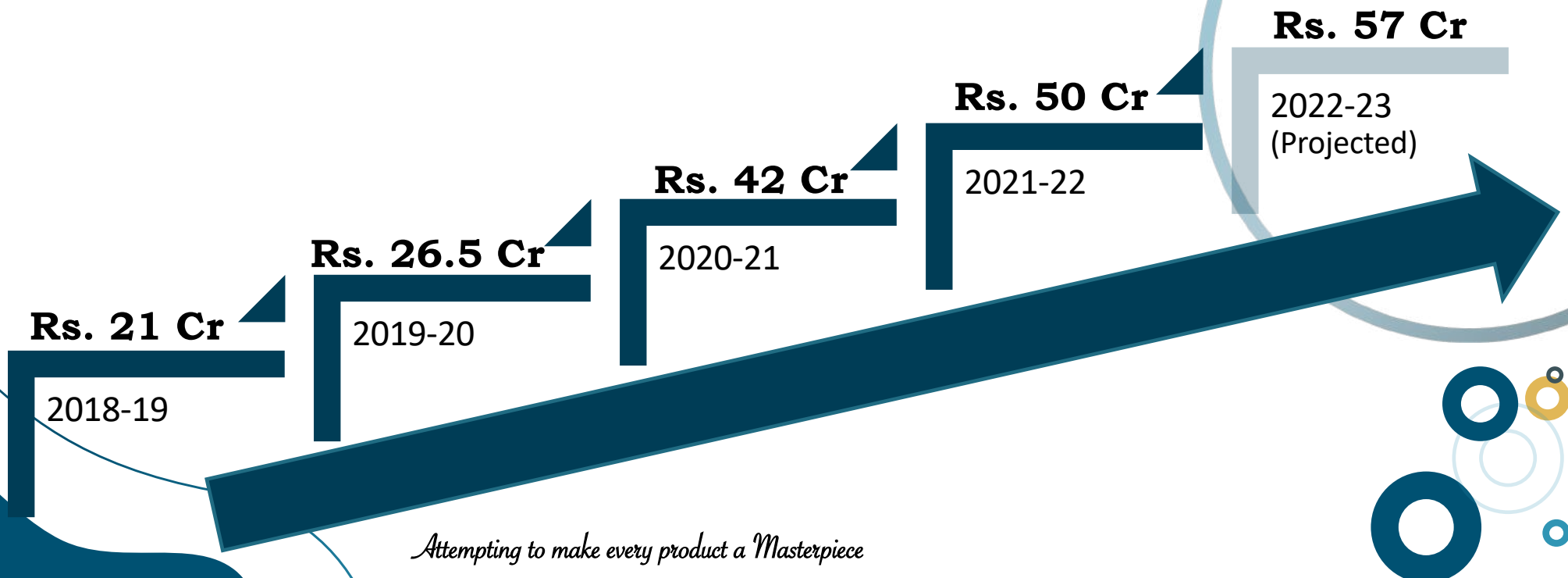
The company has had an impressive growth and has expanded and diversified to more advanced technologies such as Aluminum HPDC Casting Parts & Precision Stamped Parts for automobiles and host of other Engineering Applications catering to Large MNC & OEM Customers.

With 2 manufacturing units all centrally located in heart of Chakan, Master Gaskets is an 'one stop' solution for aluminum die casting parts including machining with VMC and CNC machines and press parts including tool design and development, press shop, in house electroplating division etc. The company owned infrastructure of around 4000 Sq. mts. includes both the units and other required Machinery and Ancillary units which adds to the progress and growth of the company.

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Overview – Company Financials

The company has had an impressive growth not only in terms of Product manufacturing but has also grown in Strength financially. With a CRISIL 2* (2nd Highest) ratings, the company stands on a very Sound foundation and has set ambitious targets for growth in future.



Overview – Team MGPL



Managing Director
Mr. Vinod Kumar Dhiman

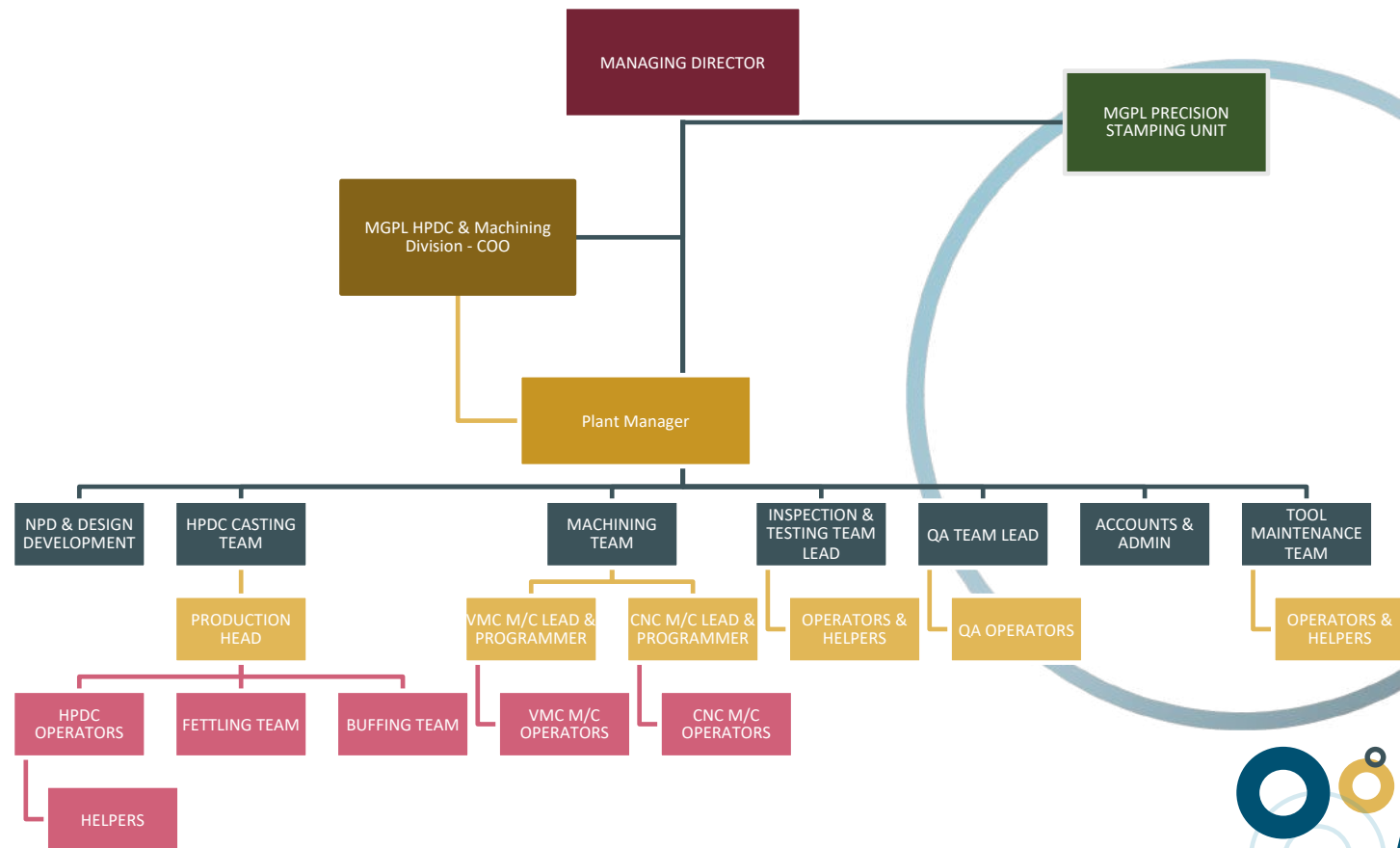
Promoted by Mr. Vinod Kumar Dhiman, an Electrical Engineer with vast managerial & technical experience gained with previous employer BHEL. Main force behind leading and Successfully running existing unit and responsible for Diversifying into new areas.

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Overview – Team MGPL

Professional Management

A Strong team with a mix of Industry experience and talent has always been the backbone of a successful organization and also to ensure complete technical satisfaction and meet expectations of our customers.



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Our Mission

To become a leading supplier of Aluminum die casting parts for domestic and international OEM's.

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Our Vision

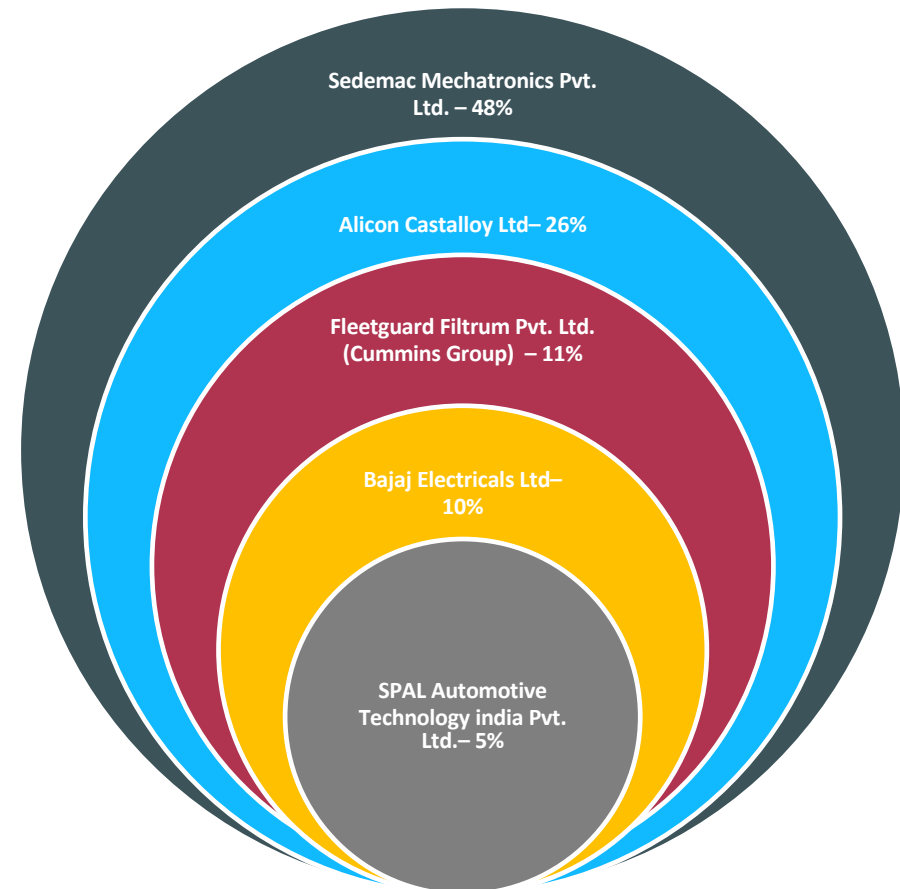
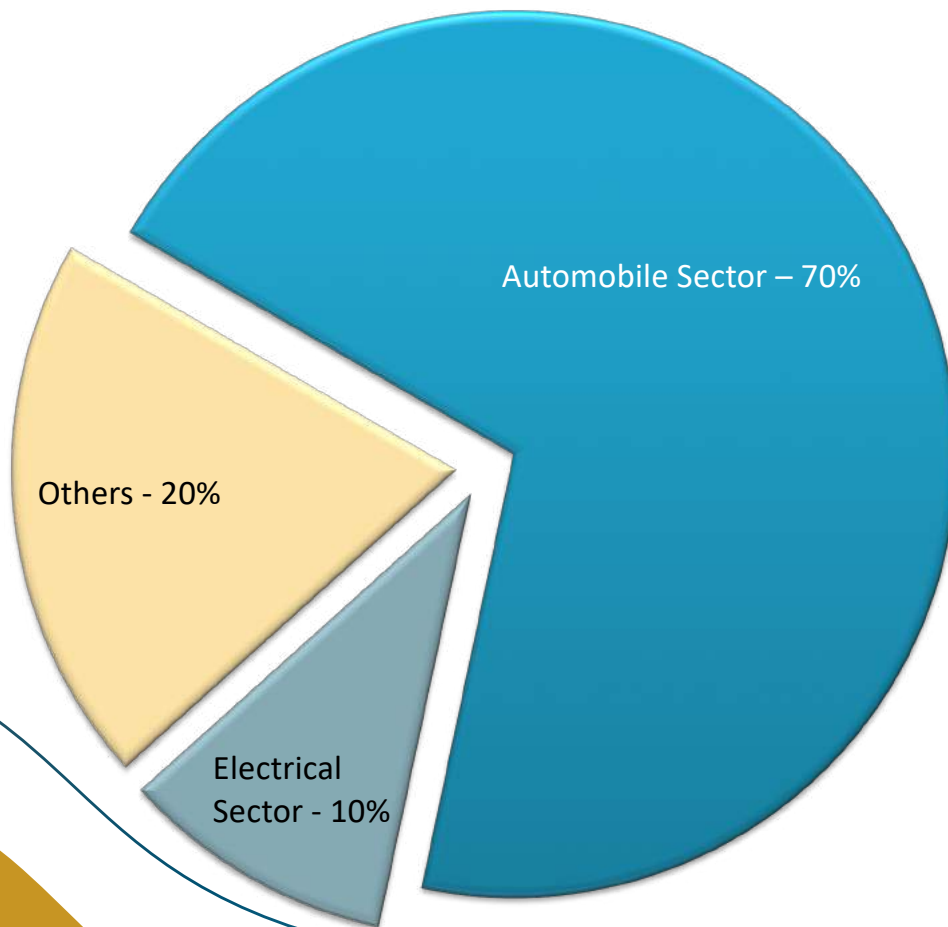
Improve and enhance the business by adopting automation, technology upgrade, by venturing into new products in die-casting, use new and innovative technologies to enhance quality and provide cost competitive solutions.

Ensure timely deliveries and services to build a work environment which encourages employees towards excellence.

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Share of Business



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What we do – HPDC Die Casting

- 2 Fully Automated Pressure Die Casting Machines for Aluminum Products of 250T & 200T gives us a flexibility to manufacture range of quality parts/components.
- 1 Fully Automated Pressure Die Casting Machine for Aluminum Products of 400T for components which require Pressure Tight castings. Currently under installation and commissioning to be operational by January 2023.

Capacity to manufacture Parts/components in the weight range of 50gms to 1.2 Kgs.



HPDC 250T



HPDC 200T



HPDC 400T

S. No.	Name of the Machine / Equipment	Make	Year of manufacture	Type	Nos.	No. of Years in operation
1	High Pressure Die Casting 250T	Zitai Taiwan	2018	HPDC	1	2
2	High Pressure Die Casting 200T	Yomato, China	2019	HPDC	1	1
3	High Pressure Die Casting 400T	Yazumi, China		HPDC	1	In-process

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What we do - Machining

With in-house Machining facilities provides us with the flexibility to provide our customers fully finished components and one stop shop solution for their parts / components.

In-house machining includes Precision Vertical Machining Centers with 4-axis and CNC Turning machines.



S. No.	Name of the Machine / Equipment	Make	Year of manufacture	Type	Nos.	No. of Years in operation
1	Vertical Machining Center with 4 - Axis	BFW 45++ TC24	2018	VMC 4-Axis	1	2
2	Vertical Machining Center	Ace Micromatic	2019	VMC 4-Axis	1	1
3	Computerized Numeric Control Machine	LMW Smarturn	2019	Precision CNC	2	1

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What we do – Secondary Operations

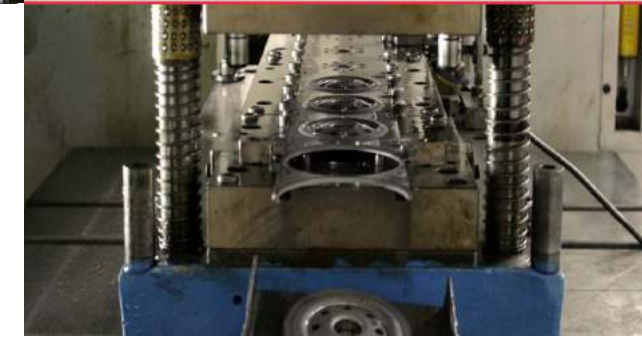
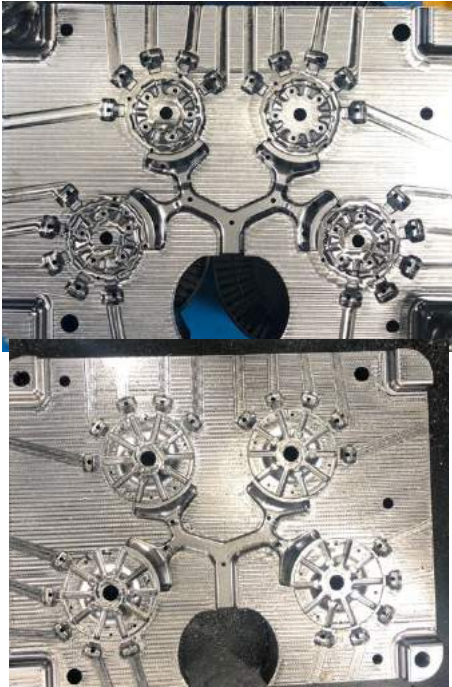
Other Post-Casting operations include:

- Shot Blasting Machine
- Rotary Jet Cleaning Machine
- Leak & Pressure Testing Machine.
- Millipore Lab.



S. No.	Name of the Machine / Equipment	Make	Year of manufacture	Type	Nos.	No. of Years in operation
1	Rotary Shot Blasting Machine	Surfex	2018	Shot Blasting	1	1
2	Rotary Jet Washing Machine	Amrut Engg.	2018	Component Washing M/C	1	1
3	Leak and Pressure Testing Machine with 2 Stations	Expert Solutions.	2018	Testing M/C	1	1
4	Millipore Testing Setup	Millipore	2018	Millipore Testing	1	1
5	Hanger Type Shot Blasting Machine	Precicut	2022	Shot Blasting	1	1

What we do – Tooling & Maintenance



High Quality and Consistent product outputs being the major requirements of the Industry we have collaborated with Industry reputed Associates/Tool Makers for our HPDC Tooling.

Press and Other Tooling are manufactured in-house and made as per Industry standards, meeting very high customer dimensions and requirements.

All maintenance activities for Tooling and performed in-house by a very experienced staff in-order to achieve high efficiency and outputs.

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List of Machinery

Name of Machinery / Equipment	Make	Type	Nos.	Name of Machinery / Equipment	Make	Type	Nos.
High Pressure Die Casting 250T	Zitai	HPDC	01	High Pressure Rotary Jet Washing Machine	Amrut Engg.	Component Washing M/C	01
High Pressure Die Casting 200T	Yomato	HPDC	01	Assorted Machines for Fettling (Bandsaw, Belt Grinders, Bench Grinders etc.)		Fettling Machines	05
Vertical Machining Center with 4-Axis	BFW 45++ TC24	VMC 4-Axis	01	EOT Crane 5T	Sachin Engg	EOT Crane	01
Vertical Machining Center with 4-Axis	Ace Micromatic	VMC 4-Axis	01	Drilling Machines		Drilling	03
Computerized Numeric Control Machine	LMW Smarturn	Precision CNC	02	Pitch Control Tapping Machine		Tapping	01
Hoistable Degassing Machine	Energy Systech	N2 Degassing M/C	01	Mechanical Press Machine 50T for Trimming		Trimming	01
Holding cum Melting Electrical Furnace 300 Kg.	Energy Systech	Electrical Furnace	04	SPM for Fan Buffing		SPM	01
Die Coat Container (500 Lts & 250 Lts)	Manisha Enterprises	Die Coat Container	02				
Cooling Tower for 4 x HPDC Machines	Nutech Systems	Cooling Tower	01				
Air Compressors	Gardner Denver & Kaiser	Air Compressor	02				
Diesel Generator 160 KVA	Powerica	Diesel Generator	01				
Rotary Shot Blasting Machine	Surfex	Shot Blasting	01				

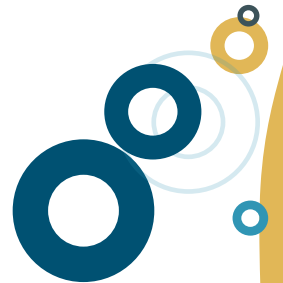
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List of Measuring / Quality Equipment

Name of Equipment	Make	Type	Nos
CMM Measuring Machine	Accurate	CMM	01
Spectrometer	Ametek	Chemical Composition	01
Dry Leak Testing Machine	Cosmos	Dry Leak Testing	01
Pressure and Leak Testing Machine with 2 Stations	Expert Solutions	Wet Leak and Pressure Testing	01
Millipore Testing Equipments	Millipore	Millipore Testing	01
Roughness Tester		Roughness Testing	01
Assorted Guages and Measurement Instruments		Measurements	
Surface Plates		Measurements	03



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Expansion Plans & Roadmap

Plans & Goals to
achieve within 6
Months

Short Term

- Install and Commission 1 HPDC Machine

Plans & Goals to
achieve within 12 -
18 Months

Medium Term

- Implement CNG Gas based Centralized Melting System
- Install and Commission 1 HPDC Machine

Plans & Goals to
achieve within 18 -
24

Long Term

- Install and Commission 1 VMC Machine to augment In-house Machining Setup
- Install and Commission additional CNC Machines.
- Install and Commission additional HPDC Machine

Required Infrastructure for the installation & Commissioning of all above is already in-place

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Products

A vast range of Products catering to multiple industries requirements ranging from Automobile Sector to Electrical and many others which require very demanding Dimensional tolerances, High quality and sound casting, precision machining, zero leakage and <1 Mg Millipore requirements. Supplied in Fully Machined and Leak Tested Condition.



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Products – Automobile Parts

Automobile Parts

High Volume and Critical Parts which require very demanding Dimensional tolerances, High quality and sound casting, precision machining, zero leakage and <1 Mg Millipore requirements. Supplied in Fully Machined and Leak Tested Condition.

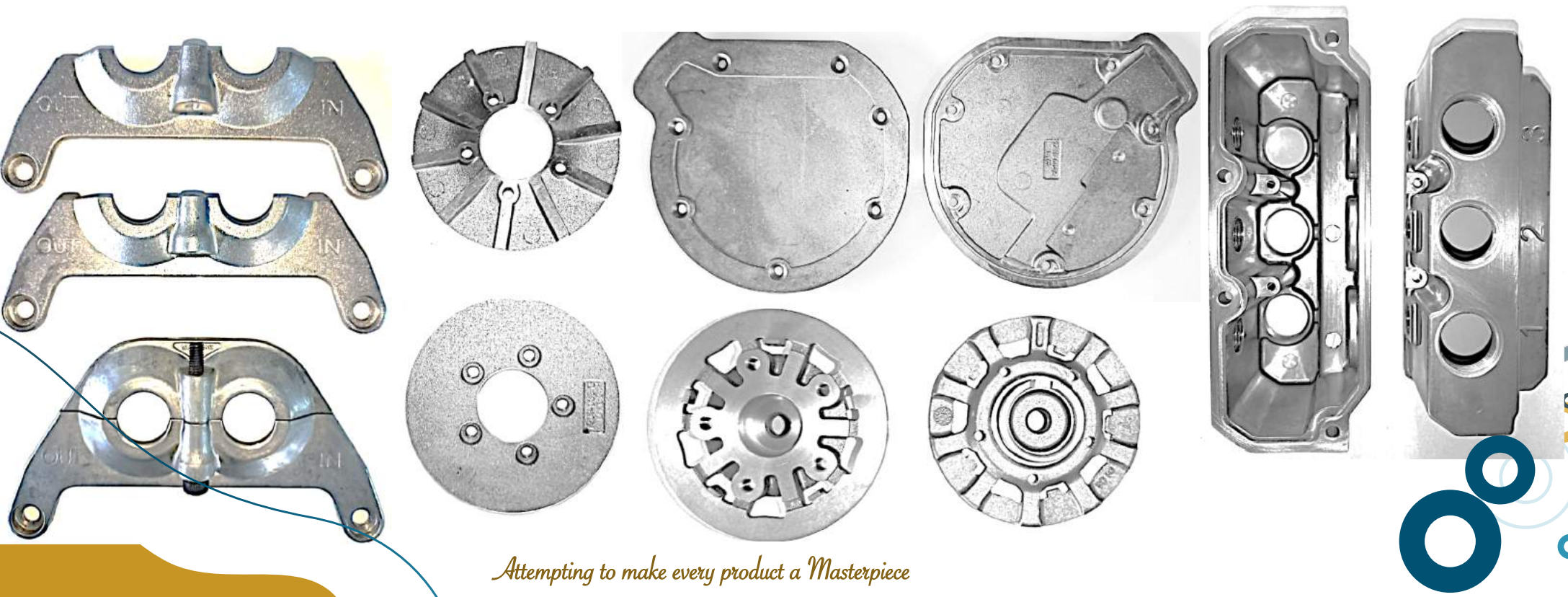


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Products – EV Parts

EV Parts

Extremely critical castings, with very demanding Dimensional tolerances for New Generation EV's. Supplied in Fully Machined, Leak Tested condition.

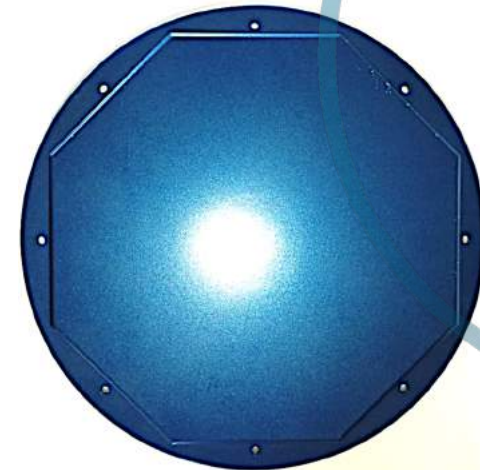


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Products – Fan Covers

Fan Covers

High Volume with a requirement of very High Aesthetic requirements and precision machining.



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Products – LED Components

LED Components

Various type of LED Castings such as Front Covers, Heat Sinks, Rotatable Rings etc.



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Quality Policy

We at Master Gaskets Pvt. Ltd. are committed to achieve

- ❖ Customer satisfaction by supplying Quality products at required time, at competitive price.
- ❖ Employee participation in improvement initiatives to meet customer expectations.
- ❖ Involvement of Suppliers for reduction of lead time and cost.
- ❖ Continual improvements.
- ❖ Adherence to relevant Statutory & regulatory requirements.
- ❖ Profitable operations.

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Quality Certifications & Systems



- MGPL has a formal system to ensure effective product and process development for new products. (APQP & PPAP).
- An effective system to identify, contain and eliminate non-conforming products/processes.
- Production processes are effectively controlled utilizing data gathering and analysis (SPC & SQC).
- An effective Preventative Maintenance program for processes, machinery, and equipment's.
- An effective system for measuring systems, gauges and tools to ensure gauge accuracy.

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Quality Support Systems

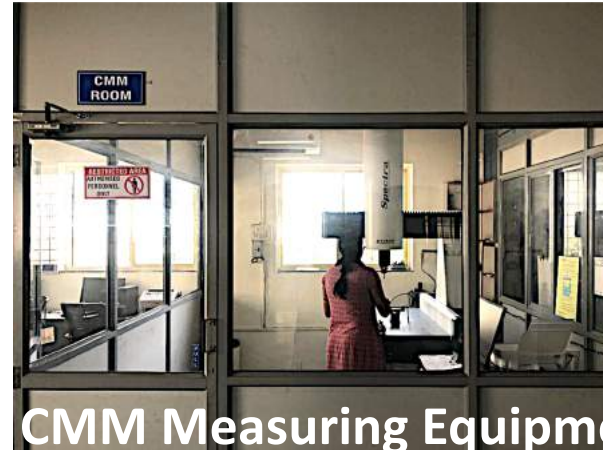
In-line with its commitment to Quality, Master Gaskets has been investing in a Host of Quality Support Systems:

- Optical Emission Spectrometer, for checking Alloy composition & quality.
- CMM, for accurate verification of Critical Dimensions.
- Millipore Lab for checking impurities in components, a BS VI quality requirement.
- Roughness Testing Equipment
- And a host of other required equipment and gauges...



Relation Guages

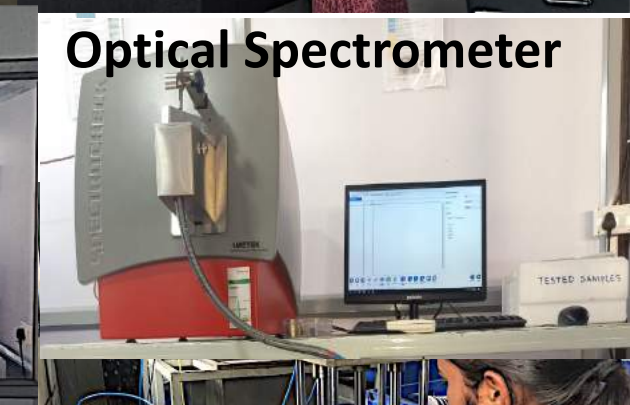
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CMM Measuring Equipment



Optical Spectrometer



Air Leak Tester

Audits by OEM's



Consistent Quality being the top most requirement of the Industry, we have successfully met the Audit requirements of many of our OEM partners.

- Fleetguard Filtrum Pvt. Ltd.
- Eaton Industrial Systems Pvt. Ltd.
- Bajaj Electrical Ltd.
- Sedemac Mechatronics Pvt. Ltd.

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Valuable Customers



SEDEMAC



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Awards & Achievements



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Contact Us



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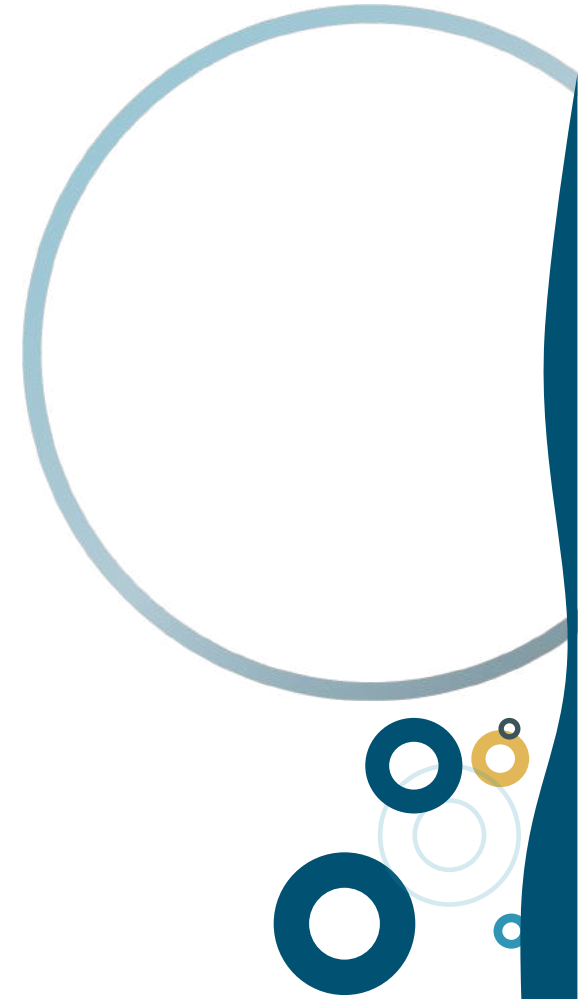
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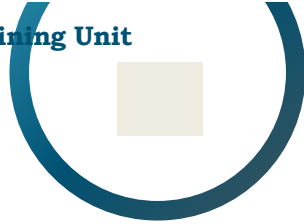
REGISTERED OFFICE

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THANK YOU

