

**Excel Die Castings**  
**No.29, 2<sup>nd</sup> Main Road,**  
**SIDCO Industrial Estate,**  
**Thirumudivakkam,**  
**Chennai Tamilnadu-600132**

EXCEL DIE CASTINGS



# A Journey from Agricultural Family to Entrepreneurial Success

**S. Nargunam**

Founder & Managing Director  
Excel Die Castings



## About us

*Excel Die Castings (EDC) was established in 1986, is an IATF 16949 :2016 certified company, founded by Mr.S.Nargunam, B.E., who has been a pioneer in the die casting industry for more than five decades.*

## *Vision*

***Maintain our reputation as a reliable  
supplier of quality die cast products***

## ***Mission***

***Our motto is to satisfy our customers with***

***QCDSM***

***( Quality, Cost, Delivery, Safety and Morale)***

***principles***

**Capabilities:** EDC is equipped with advance machinery capable of manufacturing pressure die cast components ranging from 40 grams to 6 Kilograms

**Quality Assurance:** (A-Z) inspection facility available, ensuring rigorous quality assurance to meet customer requirements.

**Specialization:** Aluminum pressure die casting parts like Anti vibration and suspension systems (AVS)

**Major Clients : Automotive Sector**

**4 wheelers : Tier -2 supplier of Hyundai motors ,kia motors, Renault Nissan, Tata motors limited, Mahindra & Mahindra ,PHI and Sujan Contitech .**

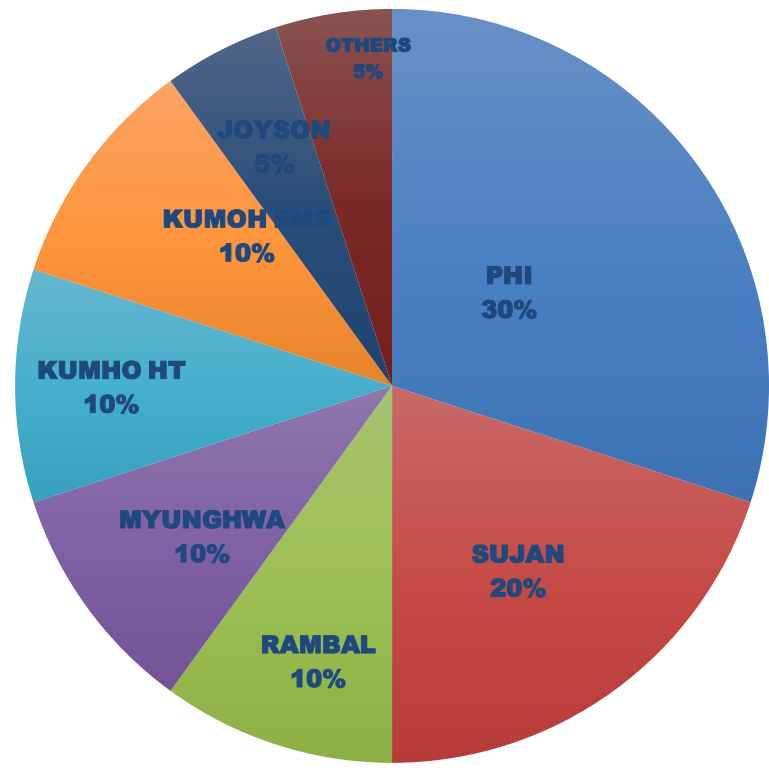
**2 Wheelers: Also supply to Yamaha Electronics (Tier-1) and Royal Enfield India Pvt Ltd ( Tier -2)**

**Power sector: Spacer damper for H.T over headlines & LED light fittings**

**Plant – 2 : No. 201, SIDCO industrial estate , 9<sup>th</sup> main road, Thirumudivakkam**

# Company Shares- Annual

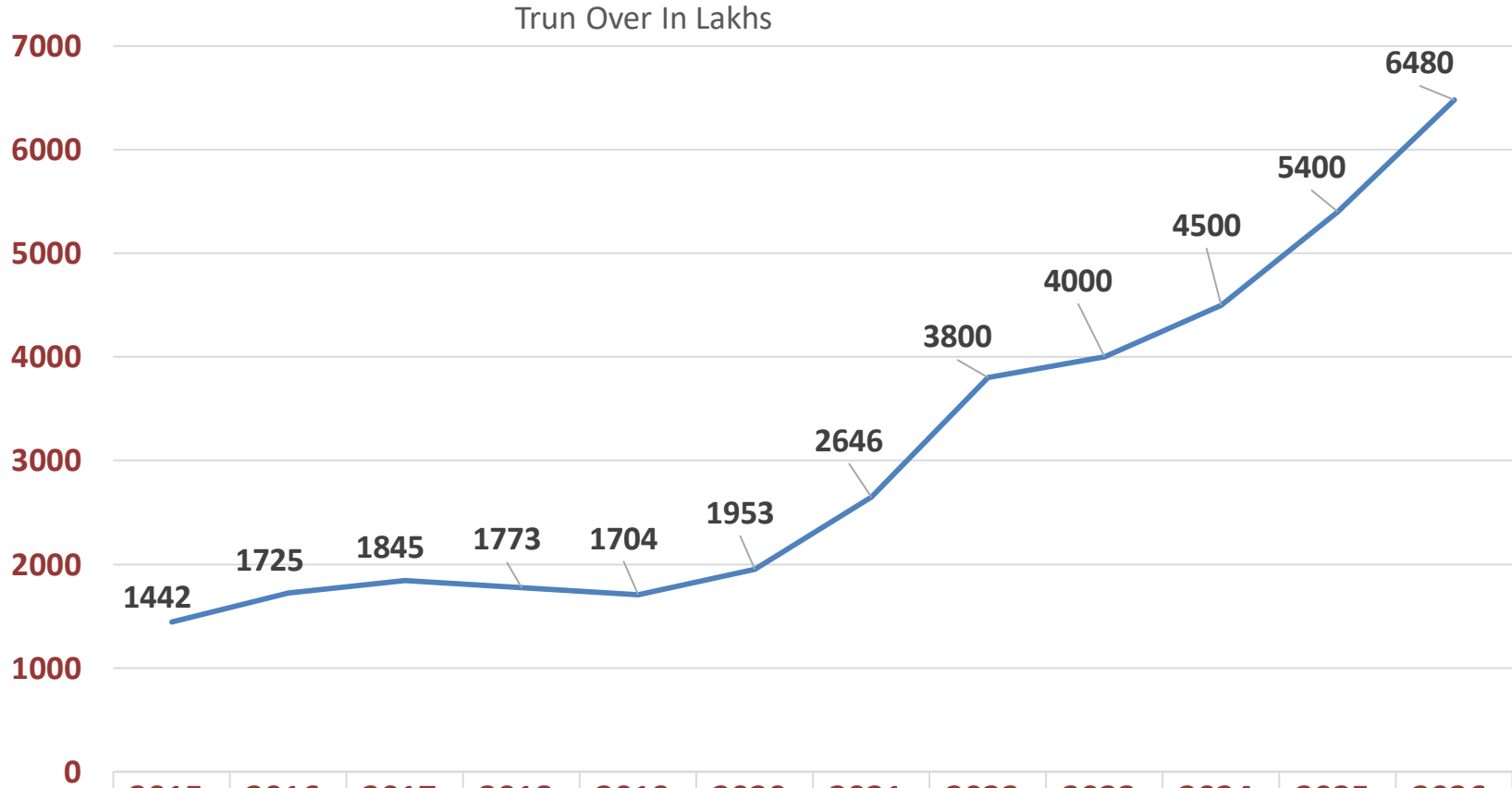
BUSINESS SHARE %



- OTHER CUSTOMERS
- \*YAMAHA
- \*BALIGA LIGHTINGS
- \*SBAP

■ PHI   ■ SUJAN   ■ RAMBAL   ■ MYUNGHWA   ■ KUMHO HT   ■ KUMOH EMS   ■ JOYSON   ■ OTHERS

# Sales Turnover- Annual



— Trun Over In Lakhs

2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027
1442	1725	1845	1773	1704	1953	2646	3800	4000	4500	5400	6480



Bureau Veritas Certification

**Certificate of Approval**

AWARDED TO  
**EXCEL DIE CASTINGS**

No.29, SIDCO INDUSTRIAL ESTATE, THIRUMUDIYAKKAM, CHENNAI - 600044, TAMIL NADU, India  
IATF USI: YG2Y23

Bureau Veritas Certification certify that the Quality Management System of the above organisation has been audited and found to be in accordance with the requirements of

**IATF 16949 - FIRST EDITION**  
and the applicable customer specific requirements.



SCOPE

Manufacturing  
PERMITTED EXCLUSION(S)

8.3 - Design and development of products and services

PRODUCT(S) DELIVERED

PRESSURE DIE CASTING AND MACHINING COMPONENTS

Date Of Certification: 24 July 2024

Date Of Expiration: 23 July 2027

IATF Certificate N°: 0533440

Bureau Veritas Certification Certificate No: IN047824 - IATF

Revision: 1

For Bureau Veritas Certification Holding, Tour ALTO, 4 place des saïsons, 92400 COURBEVOIE - France  
(The official document is in English. Any translations of this document shall be used for reference only.)



सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय  
MINISTRY OF  
MICRO, SMALL &  
MEDIUM ENTERPRISES



**CERTIFICATE**

**ZED GOLD**

under MSME Sustainable [ZED] Certification Scheme  
awarded to

**EXCEL DIE CASTINGS**

ENTERPRISE NAME

Flat No:- NO 29, Building:- 2ND MAIN ROAD, Road/Street:- SIDCO INDUSTRIAL ESTATE, Village/Town:- THIRUMUDIYAKKAM, Block:- , City:- CHENNAI, KANCHIPURAM, TAMIL NADU-600044

UNIT ADDRESS

29-Manufacture of motor vehicles, trailers and semi-trailers

CODE (AS PER NIC-2000)

UDYAM-TN-08-0002392

UDYAM REGISTRATION NUMBER

QUEST CERTIFICATION (P) LTD

ASSESSMENT AGENCY

Issued on :  
April 17, 2024

Certificate Validity :  
Three years from the date of issue



Certificate No. 17042024\_027108

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level. Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.

# SQ CERTIFICATE

EXCEL DIE CASTINGS

## SQ - CERTIFICATE

SPECIAL PROCESS : NON FE CASTING  
CERTIFICATE NO : HMI/SQ/105 - 10  
GRADE : A  
VENDOR NAME : EXCEL DIE CASTINGS  
LOCATION : THIRUMUDIVAKKAM, CHENNAI

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

31<sup>st</sup> January 2012

SUPERVISION : M/s SMR AUROMOTIVE SYSTEMS INDIA  
LTD  
SUPPORT : M/s HYUNDAI MOTOR INDIA

## BIS CERTIFICATE



भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS  
चेन्नई शाखा कार्यालय | Chennai Branch Office



मानक चिह्न के उपयोग के लिए अनुज्ञप्ति  
Licence for the use of STANDARD MARK

लाइसेंस सं. सीएम/एल-6700133912  
Licence No. CM/L-6700133912

यह ब्यूरो, भारतीय मानक ब्यूरो अधिनियम, 2016 (2016 का 11) द्वारा प्रदत्त शक्तियों के आधार पर

एक्सेल्डी कास्टिंग  
नंबर 29 सिडको इंडस्ट्रियल एस्टेट, 2 मेन रोड,  
थिरुमुदिवक्कम, कांचीपुरम, तमिलनाडु - 600044.

क) जिसे इसमें आगे 'अनुज्ञापिधारी' कहा गया है (इसकी प्रथम अनुसूची के पहले स्तंभ में विनिर्दिष्ट मानक चिह्न का इस अनुसूची के तीसरे स्तंभ में दी गई क्रिस्मो पर, उपयोग करने के लिए अनुज्ञप्ति प्रदान करता है। इन उत्पादित क्रिस्मो पर चिह्न का उपयोग उक्त अनुसूची के द्वितीय स्तंभ में सम्य-समय पर संशोधित अथवा पुनरीक्षित/संदर्भित संबंध भारतीय मानक) मानकों (के अनुसार/अनुरूप विनिर्मित हो।

By virtue of the power conferred on it by the BUREAU OF INDIAN STANDARDS ACT, 2016 (11 of 2016) the BUREAU hereby grants to

EXCELDIE CASTINGS  
NO.29 SIDCO INDUSTRIAL ESTATE, 2ND MAIN ROAD,  
THIRUMUDIVAKKAM, KANCHIPURAM, TAMIL NADU – 600044.

(here in after called the Licensee) this licence to use the Standard Mark set out in the first column of the Schedule hereto, upon or in respect of the varieties set out in the third column of the said Schedule which is manufactured in accordance with/conforms to the related Indian Standard(s) referred to in the second column of the said Schedule as from time to time amended or revised.

2. इस अनुज्ञप्ति में अनुबद्ध अनुज्ञप्ति की शर्तों के लिए अनुज्ञापिधारी उत्तरदायी हैं। यह अनुज्ञप्ति पहली अनुसूची में यथा-उल्लिखित नाम, कारखाना के पते और अवधि के लिए विधिमान्य होगा और इसे स्कीम-1 में निर्दिष्टानुसार नवीकृत कराया जा सकता है।

2. This licence carries the obligations on the part of licence as condition of licence which are given in Annexure attached herewith. The licence shall be valid for the name, factory address and period as mentioned in the schedule and may be renewed as specified in the Scheme-1.



अनुसूची | SCHEDULE

लाइसेंस सं. सीएम/एल | LICENCE NO. CM/L-6700133912

नाम / Name: एक्सेल्डी कास्टिंग  
फैक्टरी का पता /  
Factory Address: नंबर 29 सिडको इंडस्ट्रियल एस्टेट,  
2 मेन रोड, थिरुमुदिवक्कम,  
कांचीपुरम, तमिलनाडु - 600044.

EXCELDIE CASTINGS  
NO.29 SIDCO INDUSTRIAL ESTATE  
2ND MAIN ROAD,  
THIRUMUDIVAKKAM,  
KANCHIPURAM,  
TAMIL NADU – 600044.

वैधता 01 अप्रैल 2025 से 31 मार्च 2026 तक  
Validity from 01<sup>st</sup> April 2025 to 31<sup>st</sup> March 2026

मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARD(S)	अनुज्ञप्ति का विषय क्षेत्र SCOPE OF LICENCE	चिह्नंकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
IS 617  ML/6700133912	IS 617: 2024  Aluminium and Aluminium Alloys Ingots for Remelting and Castings for General Engineering Purposes - Specification (Fourth Revision)	Product: Aluminium and Aluminium Alloys Castings for General Engineering Purposes  Form : Castings  Casting Process : Pressure Die Casting (D)  Alloy (Chemical Symbol) : AISi6Cu4(b)  Condition of Temper : M	एक वर्ष की प्रचालन अवधि के दौरान न्यूनतम चिह्नंकन फीस ₹37000.00 के साथ सभी इकाइयों के लिए ₹42.60 प्रति इकाई।  इकाई: 1 TONNE  ₹42.60 per unit for all units with a Minimum Marking Fee of ₹37000.00 during an operative period of one year  Unit: 1 TONNE  एक प्रचालन वर्ष के लिए न्यूनतम चिह्नंकन शुल्क अग्रिम में देय होगा जो अगले नवीकरण में अंतरित होगा।  Minimum marking fee for one operative year payable in advance which will be carried over to next renewal(s)

आज एक अप्रैल दो हजार पच्चीस को हस्ताक्षरित तथा मोहरबंद किया गया।  
Signed, Sealed and Dated this 01<sup>st</sup> day of April, 2025.

रूपे भारतीय मानक ब्यूरो  
for BUREAU OF INDIAN STANDARDS

हस्ताक्षर/Signature :   
GOVINDARAJU BHAVANI

पदनामित प्राधिकारी का नाम/Name of Designated Authority : SCIENTIST-F & Head (CNBO)

Note: To further verify the latest details of licence operative status / suspension of licence (stop marking) / deletion of licence, variety of product under licence and validity of licence, please visit our website: <https://www.manakonline.in/MANAK/ApplicationLicenceRelatedDpt> or use BIS CARE mobile application

# Mile Stone

EXCEL DIE CASTINGS

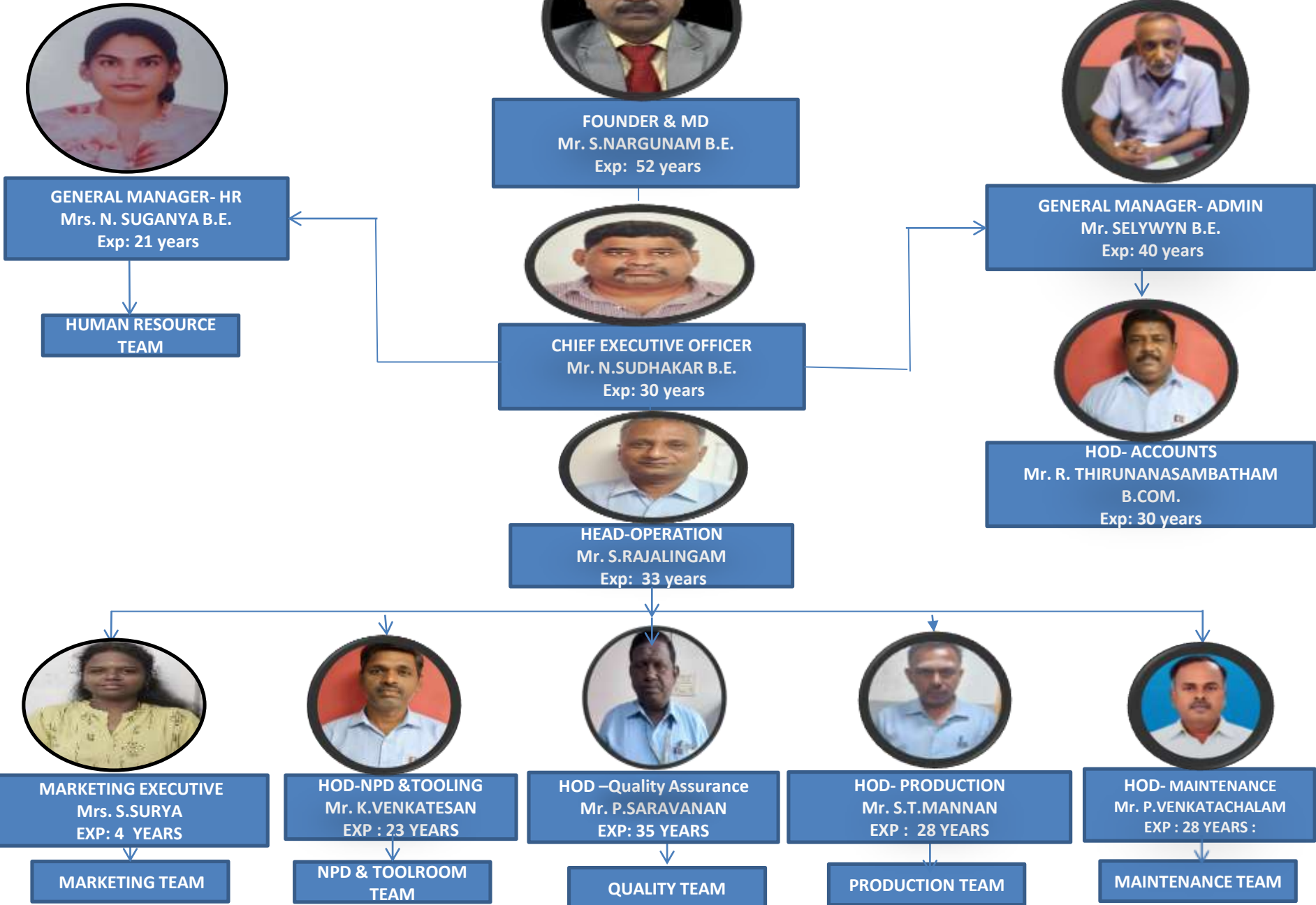


Awards & Honours



# ORGANIZATION STRUCTURE

**EXCEL DIE CASTINGS**



# PROCESS FLOW

RECEIPT OF RAW MATERIAL



RAW MATERIAL INSPECTION



STORAGE OF RAW MATERIAL



METAL MELTING & DEGASSING



SECONDARY PROCESS

MACHINING

SHOT-BLASTING

TRIMMING

FETTLING



IN-PROCESS INSPECTION



PRESSURE DIE CASTING



FINAL INSPECTION



PACKING



DESPATCH



CUSTOMER

## □ Pressure Die Casting Machines – Plant 1:-

S.NO	TONNAGE	MACHINE MAKE	TIE BAR DISTANCE	Shot Weight (kg)		CAPACITY UTILIZED
				Min	Max	
1	350-I	TOSHIBA- JAPAN	650X650	1.9 kg	3.3 kg	76%
2	350-II	TOSHIBA- JAPAN	650X650	1.9 kg	3.3 kg	70%
3	350-III	TOSHIBA- JAPAN	650X650	1.9 kg	3.3 kg	70%
4	350-IV	TOSHIBA- JAPAN	650X650	1.9kg	3.3kg	72%
5	350-V	TOSHIBA- JAPAN	650X650	1.9kg	3.3kg	71%
6	650	TOSHIBA- JAPAN	850X850	2.5kg	7.0kg	50%

## □ Pressure Die Casting Machines – Plant 2:-

S.NO	TONNAGE	MACHINE MAKE	TIE BASE DISTANCE	Shot Weight (kg)		CAPACITY UTILIZED
				Min	Max	
1	250	CHIT SHUN- CHINA	480X480	0.8 kg	1.8 kg	72%
2	138	CHIT SHUN- CHINA	350X350	0.35 kg	1.00 kg	60%

**❑ Machining Facility :-**

S.NO	TYPE	MACHINE	QUANTITY	CAPACITY
1	CNC	ACE MICROMATIC INDIA J300 LM	1	80%
2	VMC	EQUIPTOP TAIWAN ETM-510 BED SIZE (600 X 360)MM	1	75%
3	VMC	FANUC ROBO DRILL BED SIZE (630 X 400) MM	3	60%

❑ Proposed Pressure Die Casting Machines:-

S.NO	YEAR	MACHINE TONNAGE	MONTH	QUANTITY
1	2025	800	DECEMBER	1
2	2026	1000	MARCH	1

## □ Pressure Die Casting Machines:-

EXCEL DIE CASTINGS



## □ Pressure Die Casting Machines:-

EXCEL DIE CASTINGS



## ❑ Inspection Facility:-

**EXCEL DIE CASTINGS**

S.No	Device	Qty
1	Radiography Secuvision VIX- 1605	1
2	CMM – mitutoyo (X axis-500, Y axis-700 & Z axis -400)	1
3	Spectrometer	1
4	UTM ( Tensile & Compression)	2
5	LUX METER	1
6	HCS compression	1
7	Digital Height Gauge	1
8	CALORIE METER	1
9	K-mould	1
10	Hardness Tester	1
11	Radiation Meter	1



❑ Inspection Facility:-



□ Secondary Process Facility:-

Shot Blastings

**EXCEL DIE CASTINGS**



**Hanger type**



**Tumble type**



**VIBRO -POLISHING**



**Hydraulic Press  
10 TON & 5 TON**



**Age hardening**

□ Secondary Process Facility:-

EXCEL DIE CASTINGS



**CNC LATHE  
ACE MICROMATIC  
INDIA J300 LM**



**VMC Machine  
EQUIPTOP  
TAIWAN ETM-510  
BED SIZE  
(600 X 360)MM**



**VMC Machine  
FANUC ROBO DRILL  
BED SIZE  
(630 X 400) MM  
3 Nos.**



CUSTOMER JOURNEY

□ Customers profile



Customers Profile



**BOSCH**

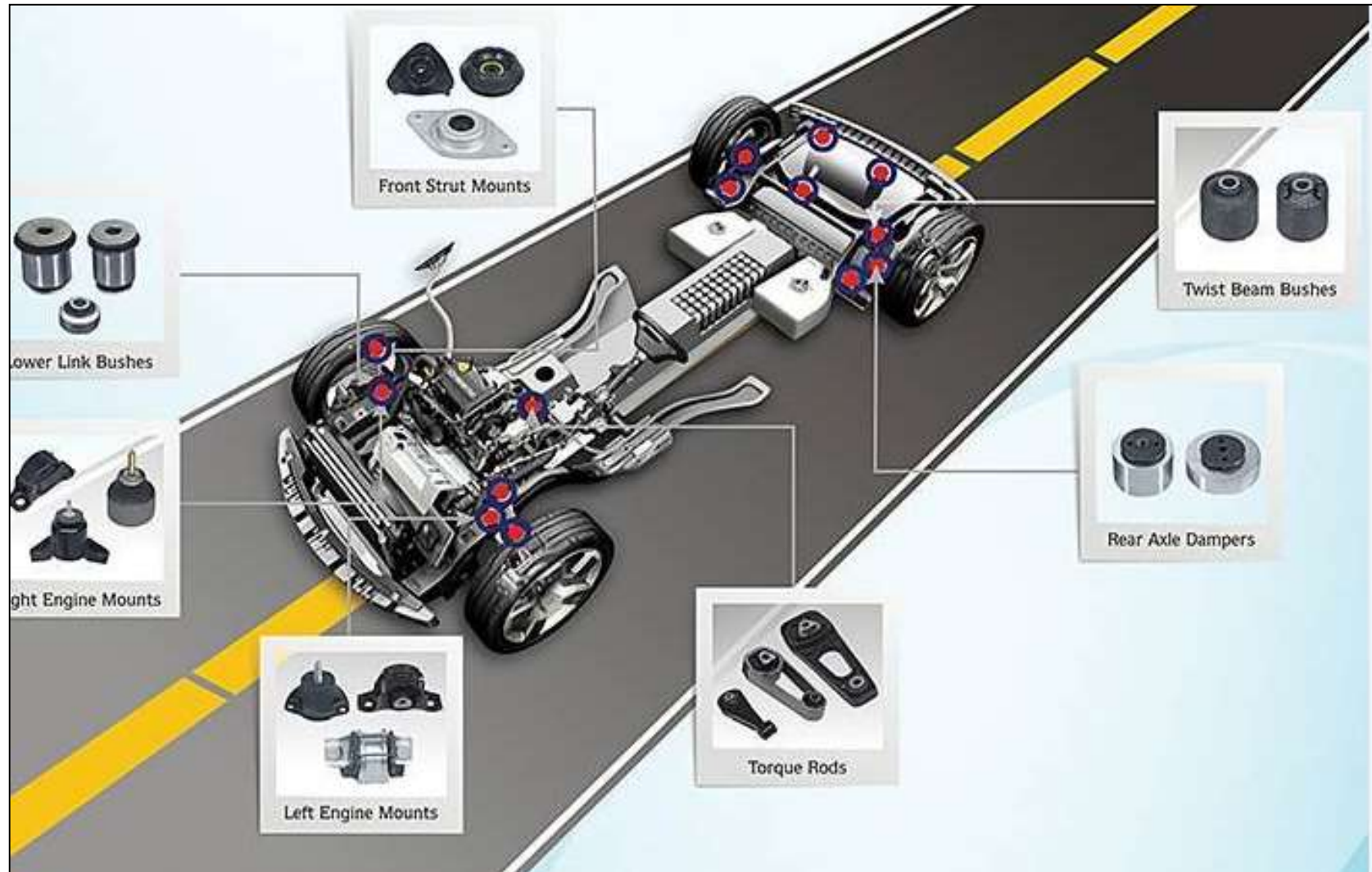


# □ Products

EXCEL DIE CASTINGS

Automotive Part:-

1. Heavy Vehicle- Truck.
2. Four wheelers- Light vehicle.
3. Two wheelers.

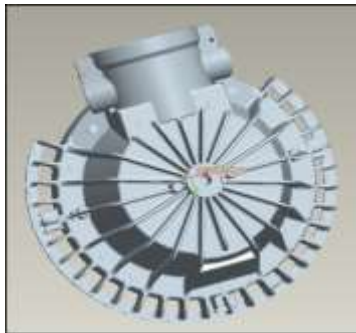


## Non-Automotive (Power Sector )

Lightings ( for Mines )  
M/s. Baliga Lightings



Spacer Dampers (HT O/H Lines)  
M/s. Sicame India Connectors





# Product List

EXCEL DIE CASTINGS

Customer: M/s. PYUNG HWA INDIA PRIVATE LTD

Application: **Anti-Vibration System (Engine Mount Assembly) - Hyundai**



Engine Mount



# Product List

EXCEL DIE CASTINGS

Customer: M/s. PYUNG HWA INDIA PRIVATE LTD

Application: **Anti-Vibration System (Engine Mount Assembly)- KIA**



TM Mount



## Product List

EXCEL DIE CASTINGS

Customer: M/s. SUJAN CONTITECH AVS PVT LTD

Application: ANTI-VIBRATION SYSTEM (ENGINE MOUNT ASSY) – Renault & Nissan



# Product List

EXCEL DIE CASTINGS

Customer: M/ s. SMR

Application: INTERNAL & EXTERNAL REAR VIEW MIRROR- Ford



## □ Product List

EXCEL DIE CASTINGS

Customer: M/ s Myunghwa Automotive India Pvt Ltd

Application: **Water Pump & oil pump housing – under development**



## Product List

EXCEL DIE CASTINGS

Customer: M/ s Kumho HT India Pvt Ltd

Application: **Automotive lamp Heat Sinks**



## Product List

EXCEL DIE CASTINGS

Customer: M/ s Kumoh EMS India Pvt Ltd

Application: **Automotive Lamp Controller Case**

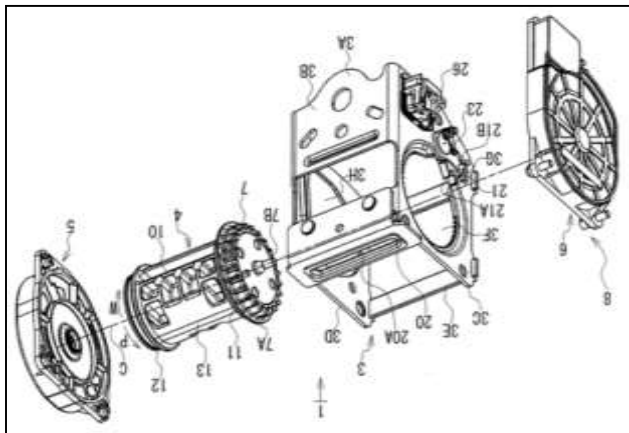


# Product List

EXCEL DIE CASTINGS

Customer: M/ s. JOYSON SAFETY SYSTEMS

Application: SEAT BELT ASSEMBLY & STEERING WHEEL



## Product List

EXCEL DIE CASTINGS

Customer: M/s. YAMAHA MOTOR ELECTRONICS INDIA

Application: SELF STARTING MOTOR



## □ Product List

EXCEL DIE CASTINGS

Customer : M/s. Royal Enfield

**Application: BACK REST MOUNT & PILLION GRAB RAIL**



## Product List

Customer: M/s. RAMBAL PVT LIMITED

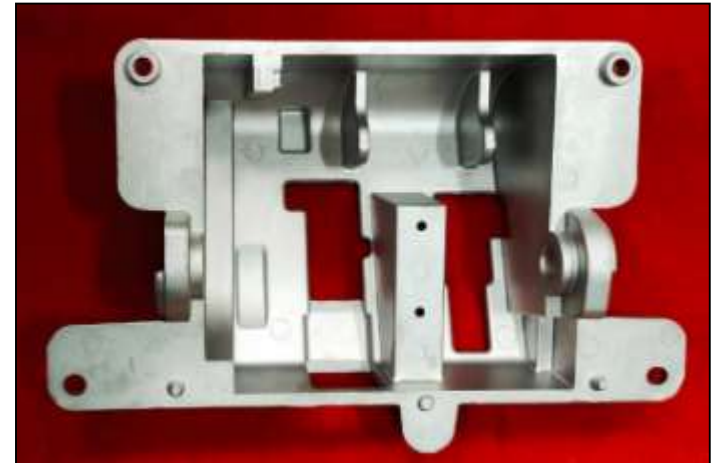
Application: BRAKE ASSEMBLY - BUGGY



Part Name: Pedal Brake



Part Name : Knuckle strut

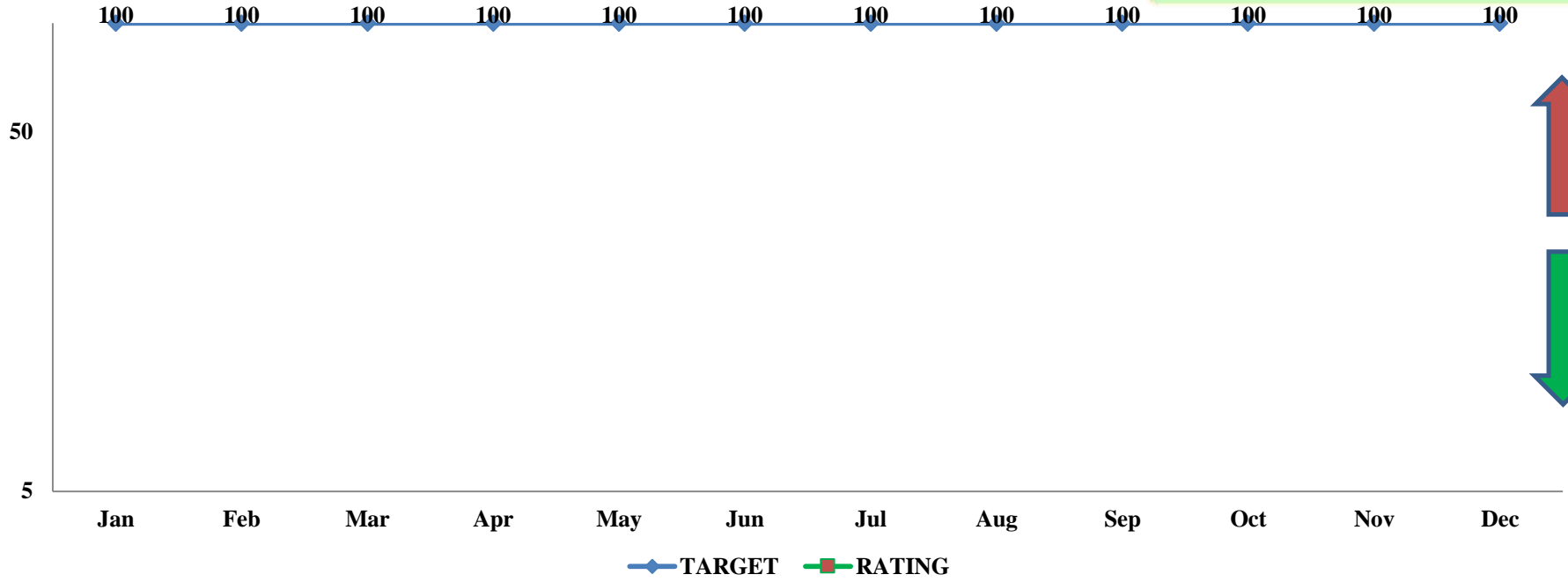


Part Name: Pedal Housing

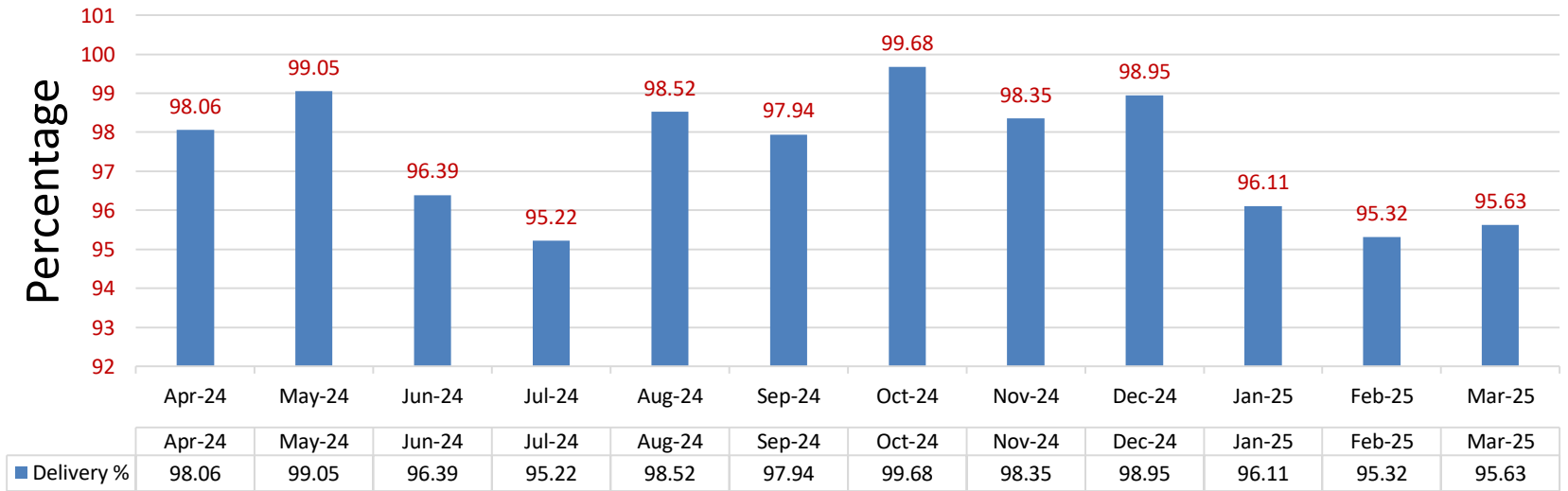
# Customer Ratings:-

PPM

EXCEL DIE CASTINGS



## Delivery Ratings

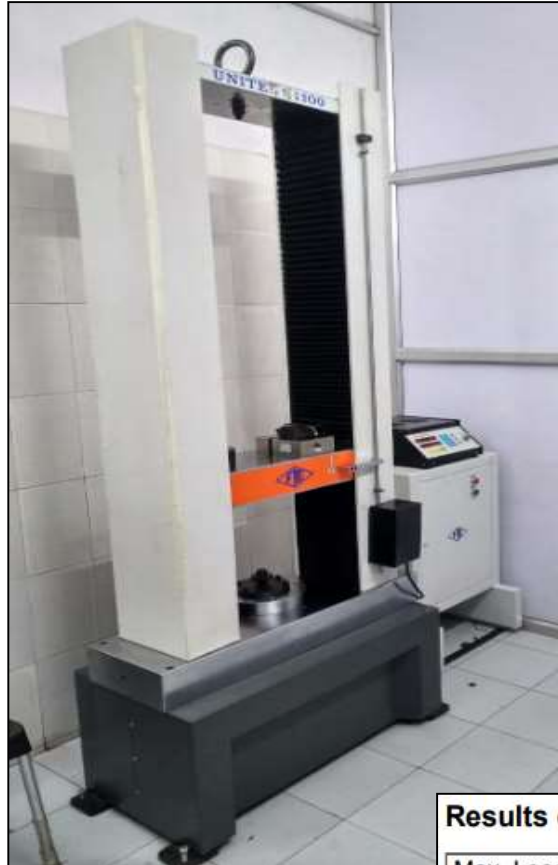




**BEST  
PRACTICE**

# Best Practice

 **Tensile Test (Load Test)** on the High stress zone area in the Engine Mount Support Bracket .



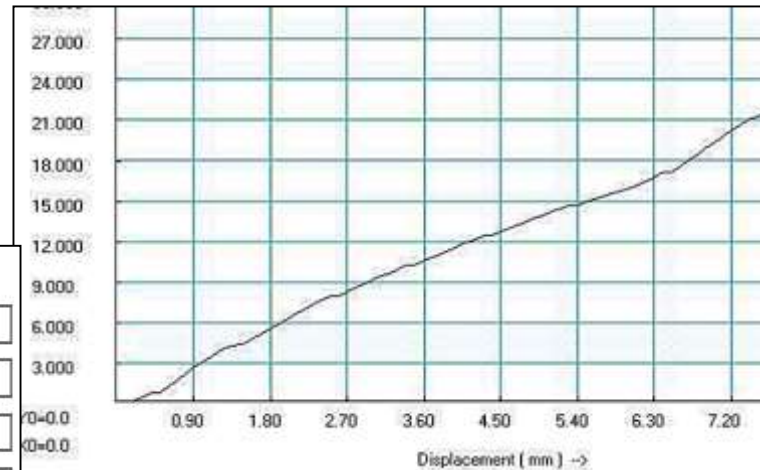
LOAD (X방향)	OFFSET	횟수
15636N (1600kgf)	50mm	1회

**Customer Requirement: Mini 17.65KN**

**Achieved 22.30KN**

Results of tension test	
Max. Load kN	22.300
Disp. at Max. Load mm	7.90
Max. Displacement mm	8.80
Ult Stress kN/mm <sup>2</sup>	0.026
Elongation %	0.00

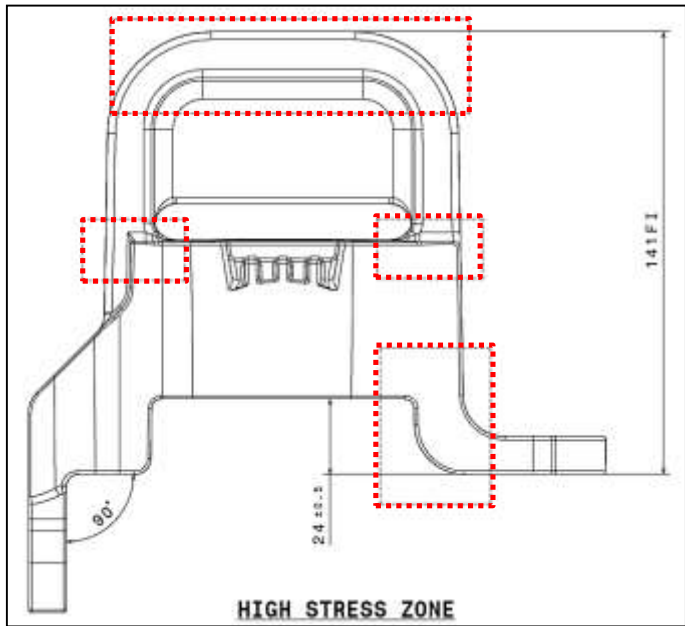
**Load Graph:-**



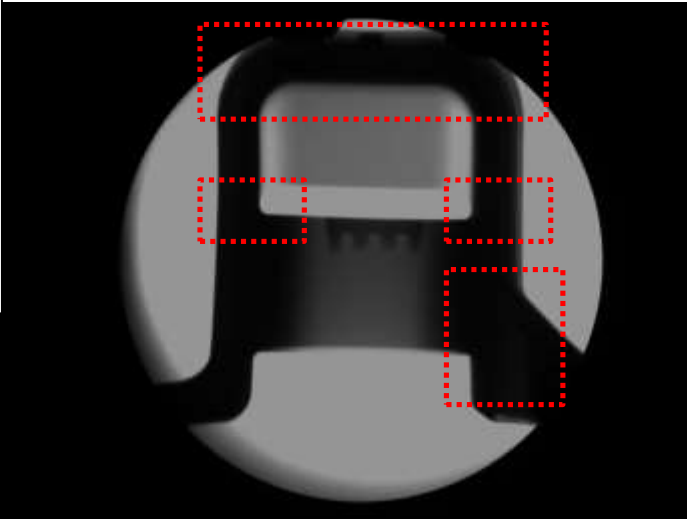
# □ Best Practice

## ☞ Radiography Inspection

As Per ASTM E505, porosity acceptance Criteria  
@ High Zone – Level2  
@ other locations – Level3



Result: LEVEL NSD



# □ Best Practice – In-house leak test Facility

EXCEL DIE CASTINGS



# □ Best Practice

 100% Ensuring by Thread Sensor



OK Part



NOT OK Part

# Weekly Training for Employees:-

EXCEL DIE CASTINGS



## ***Preventive Health Care awareness Program :-***

**EXCEL DIE CASTINGS**



***Acupuncture camp conducted by (APR 2022 –SEP 2022)***

***Dr. H. Bhojraj, BE,MD.(ACCU.)-AAA CENTRE BANGALORE &***

***Dr. S. Vidhya, BE,MD.(ACCU.) CHENNAI***

***Total number of employees treated- 50***

***\* (head ache, back pain, knee pain, shoulder pain, foot pain, stomach pain, breathing trouble, hypertension & diabetes mellitus)***

***40 employee recovered fully with in the period of 3 months***

# Preventive Health Care Programs ( practical session):-

EXCEL DIE CASTINGS



# International Yoga Day Program :- 21.06.2025

EXCEL DIE CASTINGS



Yoga Trainer:  
**Mrs. K. Santhanayagi.,**  
**M.SC(Yoga)**

Venue : EDC Premises

Time : 4.00pm to 5.30pm



# Mould Development Achievements

- **Customer** : Woosu Automotive India Pvt Ltd
- **Part Name** : RVS Shift Lever
- **Application** : Gear Box Assembly - Hyundai
- **Order Confirmation** : 14-09-2017
- **Lead time of Manufacturing** : 18-10-2017 ( 34 working Days)



- **Customer** : JOYSON SAFETY SYSTEM
- **Part Name** : Hybrid Armature Proto Tool
- **Application** : Volvo
- **Order Confirmation** : 11-11-2017
- **Lead time of Manufacturing** : 06-12-2017 (27 working Days)

# Mould Development Achievements

- Customer : Yamaha Motors Electronics India Pvt Ltd
- Part Name : Bracket Front & Rear
- Application : 350cc Self start Motor ASSY
- Order Confirmation : 19-11-2017
- Lead time of Manufacturing : 14-12-2017  
( 25 working Days)



- Customer : Sujan Cooperstandard AVS Pvt Ltd
- Part Name : Engine Mount BRKT LS & HS &  
Gear Box
- Application : Engine ASSY – Renault & Nissan
- Order Confirmation : 11-11-2017
- Lead time of Manufacturing : 09-12-2017 (29 working Days)

# Mould Development Achievements

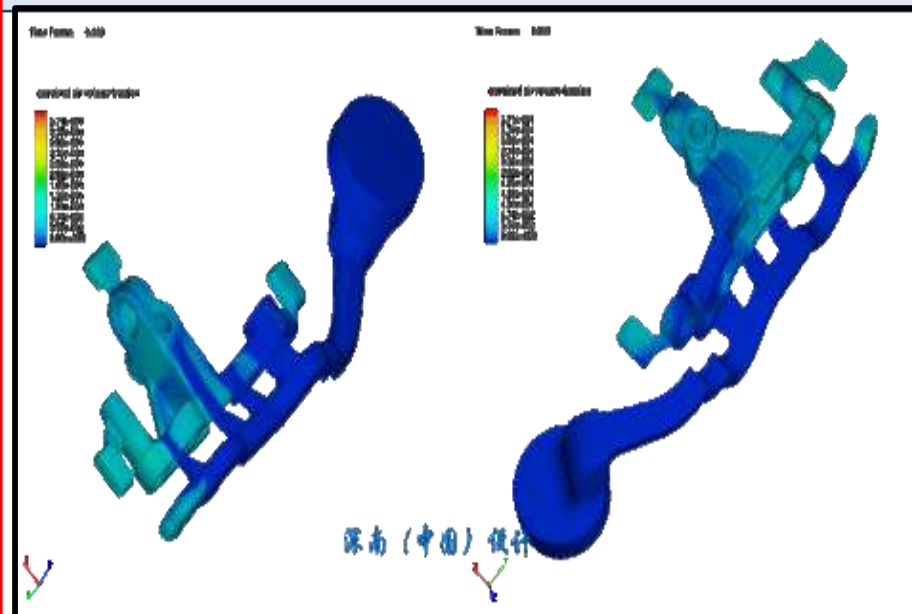
- **Customer** : PYUNG HWA INDIA
- **Part Name** : BN7I Nozzle Lower
- **Application** : Engine Mount Assembly - Hyundai
- **Order Confirmation** : 18.05.2022
- **Lead time of Manufacturing** : 13-06-2022 ( 26 working Days)



- **Customer** : Rambal Private Limited
- **Part Name** : Pedal Housing
- **Application** : Golf cart Vehicle
- **Order Confirmation** : 25.03.2023
- **Lead time of Manufacturing** : 24-04.2023 (30 working Days)

# EDC Services

- Mould flow simulation & CAE Report
- Short Lead time for mould making 3 – 4 Weeks.
- Competitive pricing -High quality mould – Delivery on time.



*Looking forward for a wonderful  
business relationship with you...*

