

ARUL | CASTING

We are amongst the selected few Companies that provide all 3 types (HPDC , LPDC & GDC) of Casting Solutions under one roof



Contact person: Mr. S. Navaneethakrishnan | 9600 150 845 | arulcnc@gmail.com

www.arulcasting.com

ARUL | GROUP

Arul Casting Integrated Facility



❖ Location/Area

Irrungattukottai Chennai. 2 Acres land with 40,000 Sq.f. built up area.

30 km from Chennai Airport.

❖ Project Cost:

\$7.3 Million/INR 500 Million

❖ Project Concept:

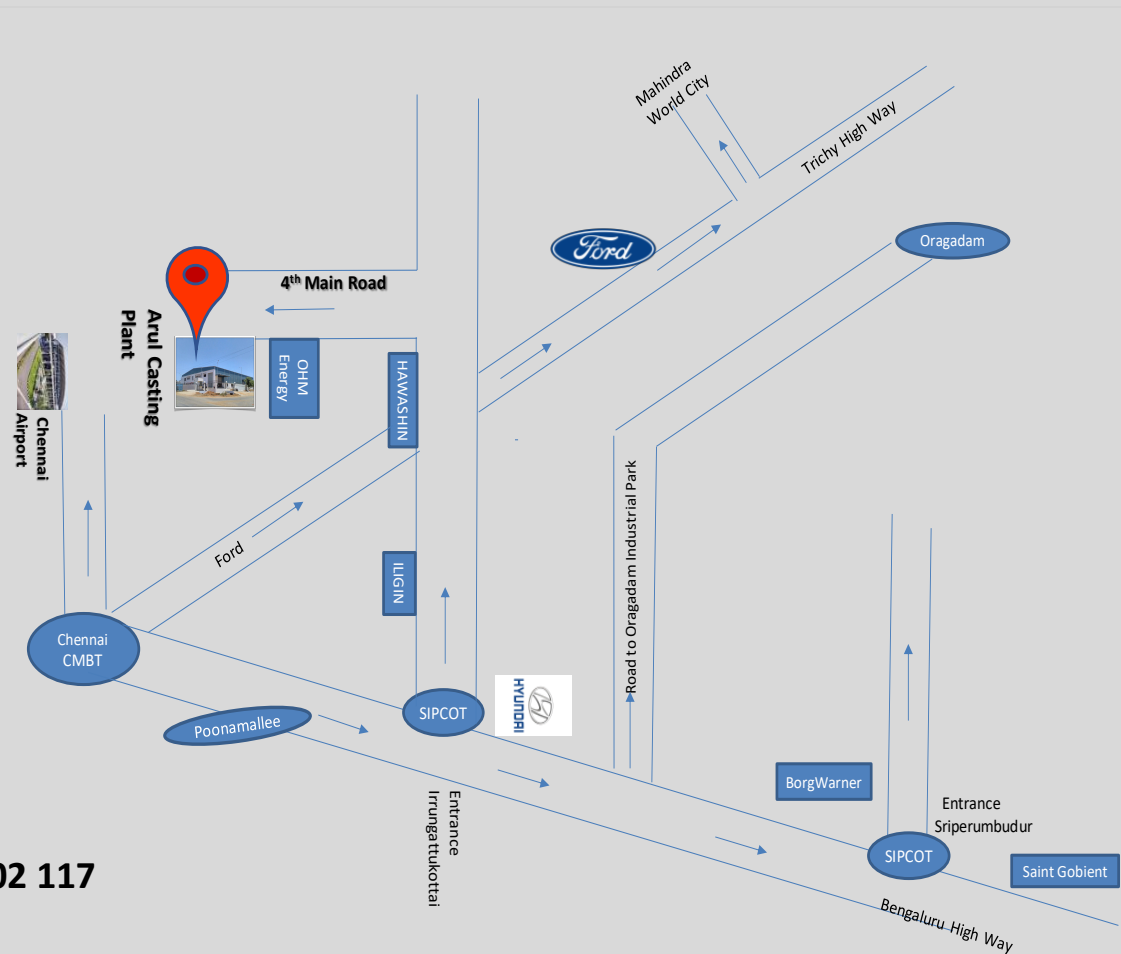
Integrated self-contained unit comprising of **HPDC, LPDC & GDC**

❖ Full capacity power backup= 275 KVA

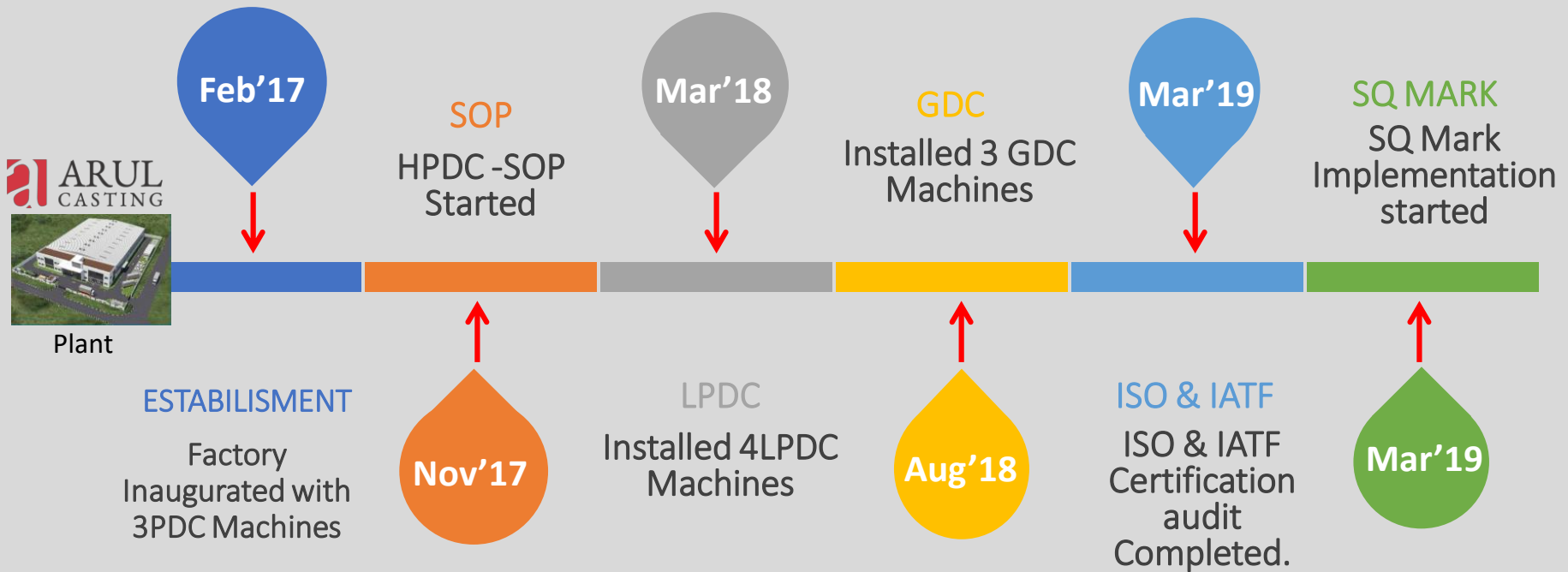
Address :

Plot B-37 & B-38,
SIPCOT industrial park,
Irrungattukottai, Chennai 602 117
Tamilnadu, India
www.arulcasting.com

Site Map



Arul Casting Milestone



IATF and ISO certificates



ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認證證書 ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT




Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

Arul Casting
Plot No. B-37 & B-38, SIPCOT Industrial Park,
Irrungattukottai - 602117, Tamilnadu
India

has established and applies
a Quality Management System for

Manufacture of Aluminum die casting Parts
(without Product Design as per Chapter 8.3).

An audit was performed and has furnished proof
that the requirements according to

IATF 16949
First Edition 2016-10-01

are fulfilled.

Issue date: 2019-05-20
Expiry date: 2022-05-19

Certificate Registration No.: 12 111 57960 TMS
IATF Certificate No.: 0354548



Product Compliance Management
Munich, 2019-05-20

Page 1 of 1

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 57 • 80339 München • Germany
www.tuev-sued.de/certificate-validity-check



ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認證證書 ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT



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Plot No. B-37 & B-38, SIPCOT Industrial Park,
Irrungattukottai - 602117, Tamilnadu
India

has established and applies
a Quality Management System for

Manufacture of Aluminum die casting Parts.

An audit was performed, Order No. 4153172424.
Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from 2019-05-20 until 2022-05-19.
Certificate Registration No.: 12 100 57960 TMS.





Product Compliance Management
Munich, 2019-05-20

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qualityaustria
Succeed with Quality

Quality Austria
Trainings, Zertifizierungs und
Begutachtungs GmbH

Headquarters

Zeinkgasse 10/3
1010 Vienna, Austria, Europe
Phone: (+43 1) 274 87 47
Fax: (+43 1) 274 87 47-100

Customer Service Center

Am Winterhafen 1
4020 Linz, Austria, Europe
Phone: (+43 732) 34 23 22
Fax: (+43 732) 34 23 23
office@qualityaustria.com
www.qualityaustria.com

Arul Casting
Plot No. B-37 & B-38, SIPCOT
Industrial Park Irungattukkottai
Chennai - 602117 Tamil Nadu, India

Date: 18.01.2023

Dear Mr. D Ravichandran!

Once performed the certificate audit to the Quality Management System of your organization assessed the corrective action proposed and certified the closure of the non-conformities from the certification audit. I'm pleased to communicate you that the Quality Management System of

Arul Casting
Plot No. B-37 & B-38, SIPCOT Industrial Park Irungattukkottai Chennai - 602117 Tamil Nadu, India
Manufacture of Aluminium Pressure Die Castings

EAC: 17.1

complies with the requirements of the Standard IATF 16949:2016.

Nevertheless, we cannot issue a certificate due to the fact that there is less than 12 months of production. Whenever your organization will reach the twelve month of production or will be able to show that are still in an active bid list for a customer requiring IATF 16949:2016 certification, Quality Austria will continue with the certification process according to the rules for achieving IATF recognition.

Moreover we inform you that this letter of conformance is valid for a twelve months period.

IATF-USI: CGXCM3

LOC-No: 0466942

Quality Austria registration number: T-1411910

Being the issue date: 18.01.2023

And the expiry date: 17.01.2024

Therefore, the next audit to your company should be done within this period.

With best regards

Ing. Michael Dragošič, MSc
Sector Management Automotive

Registered Office: Vienna
Commercial Court: Vienna
Commercial Register Number: FN 234387n
DVR-Number: 3527
VAT Identification Number: ATU57217935
Bank Account: Unicredit Bank Austria AG
IBAN Code 12000, Acct. No. 50670 584 501
IBAN AT 81 1200 0506 7059 4501
SWIFT BKALW1WV



Building
trust
together.

Certificate

Quality Austria

has issued an IONET recognized certificate that the organization:

Arul Casting

Plot No. B-37 & B-38, SIPCOT Industrial Park Irungattukkottai
Chennai - 602117 Tamil Nadu, India

for the following scope:

Manufacture of Aluminium Pressure Die Castings

EAC: 17.1

has implemented and maintains a

QUALITY MANAGEMENT SYSTEM

which fulfils the requirements of the following standard

ISO 9001:2015

Issued on: 2023-01-18

Validity Date: 2024-01-17

Quality Austria certified since: 2023-01-18

Registration Number: AT-28618/0

Mag. Friedrich Khuen-Belasi

Alex Stoichioiu
President of IONET
Authorized Representative
of Quality Austria

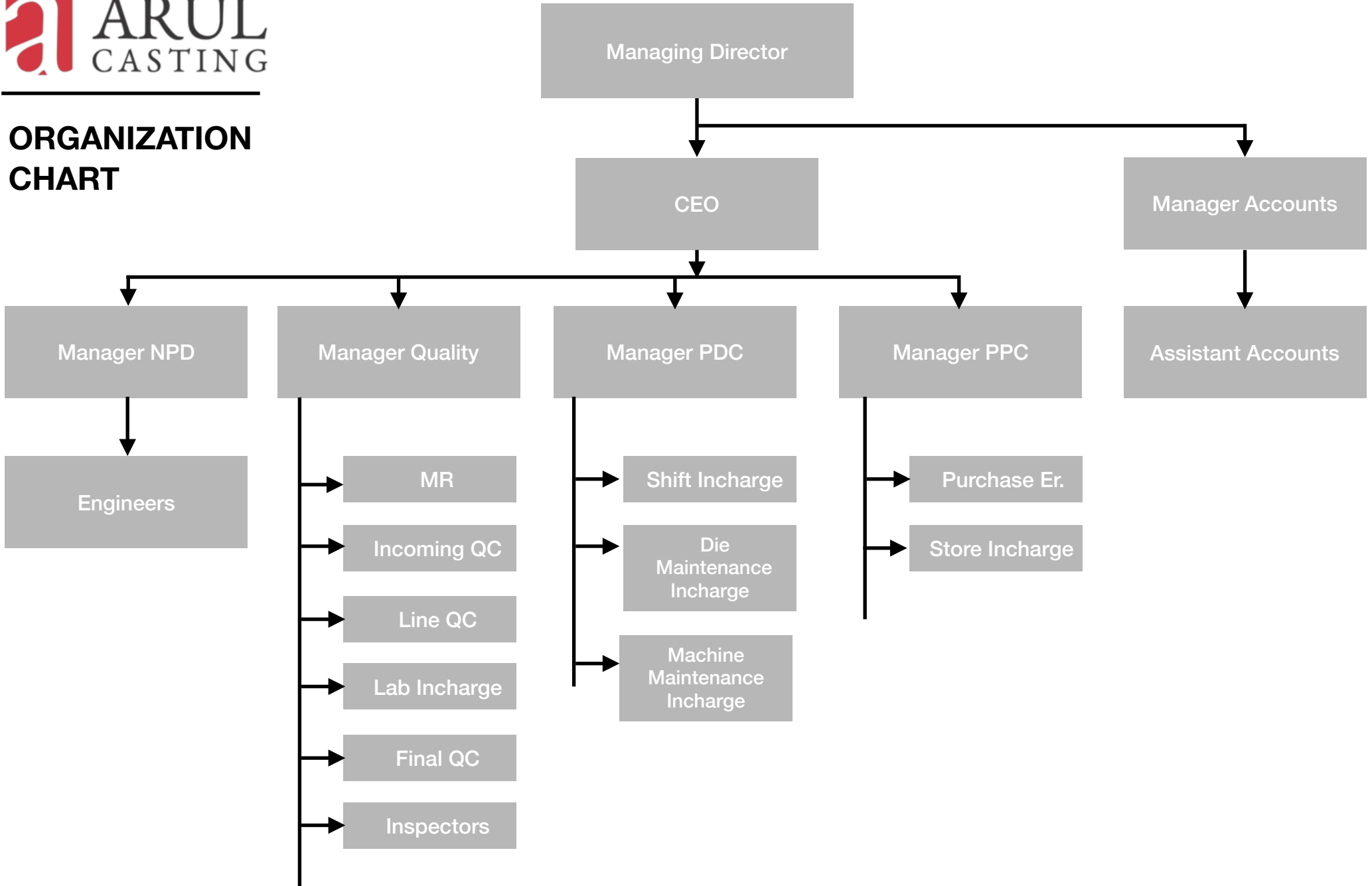
qualityaustria
Succeed with Quality

This attestation is directly linked to the IONET Member's original certificate and shall not be used as a stand-alone document.

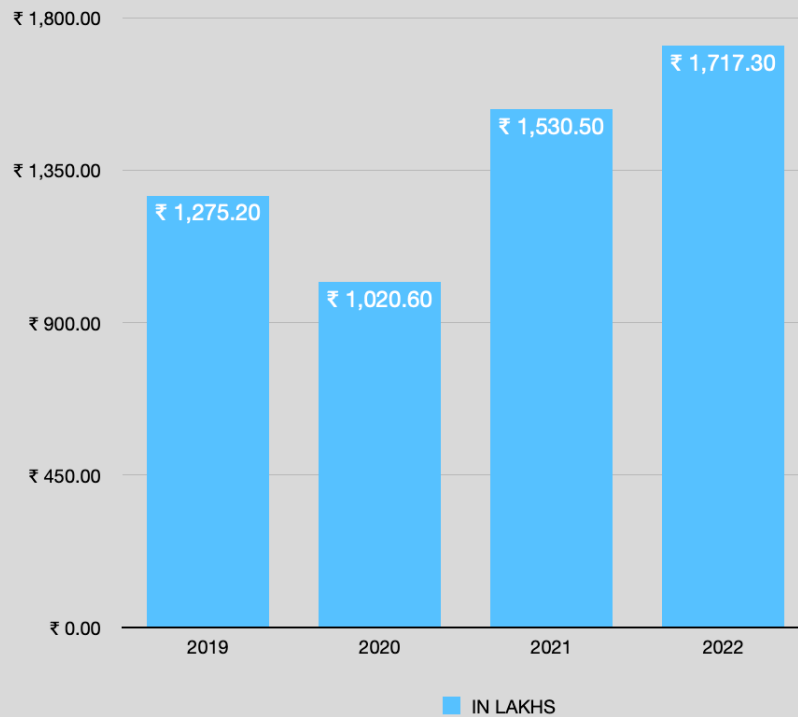
IONET Members:

AFNOR Certification France APCER Portugal CCC Cyprus CQC China CQM China CQS Czech Republic
CRO Cert Croatia DOS Holding GmbH Germany EAGLE Certification Group USA FCAV Brazil FONDONORMA Venezuela ICONTEC
Colombia ICS Bosnia and Herzegovina Inspacta Serfidioint Oy Finland INTECO Costa Rica IRAM Argentina JQA Japan KFO Korea
LSQA Uruguay MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland NYCE-SIGE Mexico PCBG Poland Quality Austria
Austria SIL Israel SIO Slovenia SIRIM QAS International Malaysia SOS Switzerland SRAC Romania TSE Turkey YUOS Serbia
*The list of IONET Members is valid at the time of issue of this certificate. Updated information is available under www.ionet-certification.com

**ORGANIZATION
CHART**



AROUL GROUP TURNOVER



AROUL GROUP

YEAR	TURNOVER (IN LAKHS)
2019	₹ 1,275.20
2020	₹ 1,020.60
2021	₹ 1,530.50
2022	₹ 1,717.30

Die Casting Machines



Buhler 840T- 2M/Cs

HDPC - 840 T - 2 Nos.
Die bar distance 900 X 900 X 950 mm
Max shot weight - 12 Kg



Chit Shun 400T

HDPC - 400 T - 1 No.
Die bar distance 420 X 420 X 400 mm
Max shot weight - 4 Kg

Die Casting Machines



SIZE 950 X 950 X 1200



SIZE 750 X 650 X 550



SIZE 680 X 54 X 750

GDC fully automatic - 3 nos.



LPDC Fully automatic- 4 Nos.

Melting Capacity



500Kg/hr Tower Furnace
Oil Fired.



250Kg/hr Electrical fired
Furnace – 3nos

Process Control Equipment



Rotary Degassing Unit-2nos



Reduced Pressure Testing

Process Control Equipment

Centralised Die coat Mixing System



Die coat Mixture



Die Coat Storage Tank

Process Control Equipment

(Plate Type Heat Exchanger)PHE Closed Loop Cooling System



PHE



PHE Closed Loop
Cooling System

Advantage

- ❖ Circulated water not directly enter in to Cooling Tower.
- ❖ RO water Used in the Cooling System.
- ❖ Temperature controlled by PHE
- ❖ Constant Temperature can maintained in all Seasonal.
- ❖ No scale formation in the entire system and dies
- ❖ Automated Cooling System with VFD PLC

Process Control Equipment

Cooling Water Monitoring System



Temperature & Pressure Recorder

Recorder
Data Capturing & Output Monitoring



Temperature & Pressure Monitoring @ Shop floor

Inspection Facility at Plant



Spectrum Analyzer



Thermal Imaging Camera



Radiography



Microscope

Inspection Facility at Plant



Rockwell Hardness
Testing Machine



Brinell Hardness
Testing Machine

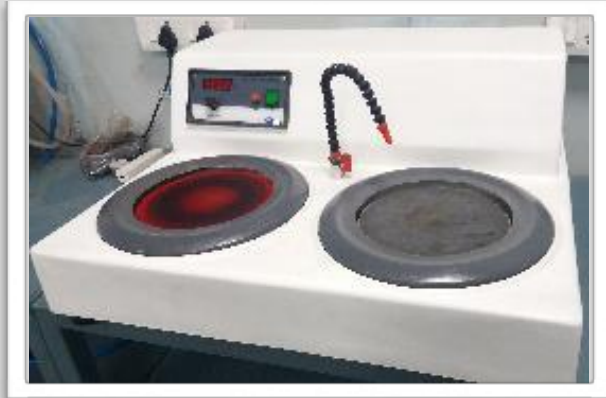


Mold Making Machine

Inspection Facility at Plant



Rough Polishing Machine



Fine Polishing Machine



Computerised Tensile testing
Machine 50KN

Heat Treatment



Heat Treatment Suitable for T3, T4, T6, T7, T8 & T9 Process of Aluminium alloy

Shot Blasting



Double Door Hanger Type Shot Blasting Machine

Power



275KVA Power Backup
for Die casting
Machines



250 KVA Generator

Compressor



100HP Atlas Capco Compressor –
2nos

Built in Weighment system



60T Weigh Bridge at Plant

Material Handling Equipment



10/5 T Crane – 1no



5T Crane -1no



Tiletable swivel type Fork lift -2nos
with molten metal transfer ladle

Casting Parts

GEAR SHIFTER



REL 3 COVER



PA 900 COVER



ROCKER COVER



FBBX LID



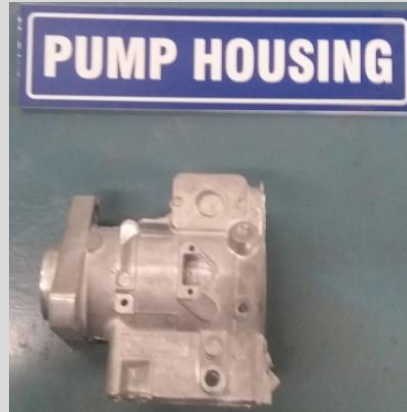
OIL PUMP COVER



CONNECTION HOUSING



PUMP HOUSING



CASE OIL COOLER



575-BODY



805-ROTOR





End Customers

- ✓ Ashokleyland.
- ✓ Nokia
- ✓ ZF
- ✓ BorgWarner-USA

Arul Casting -Strength

- ✓ All 3 type of casting Process in single roof
- ✓ State of art Die casting plant
- ✓ UPS Backup to the Die casting Machines
- ✓ Full Power backup generator
- ✓ In built Weighbridge
- ✓ Centralised Die coat system
- ✓ PHE Closed Loop Cooling system.
- ✓ New setup and Brand new Machines
- ✓ With Machining facilities
- ✓ Open Capacity for Business Expansion.

AROUL | GROUP



AARUL MACHINING



AROUL ENGINEERING



ARUL | CASTING



APS CNC



AROUL SPARES

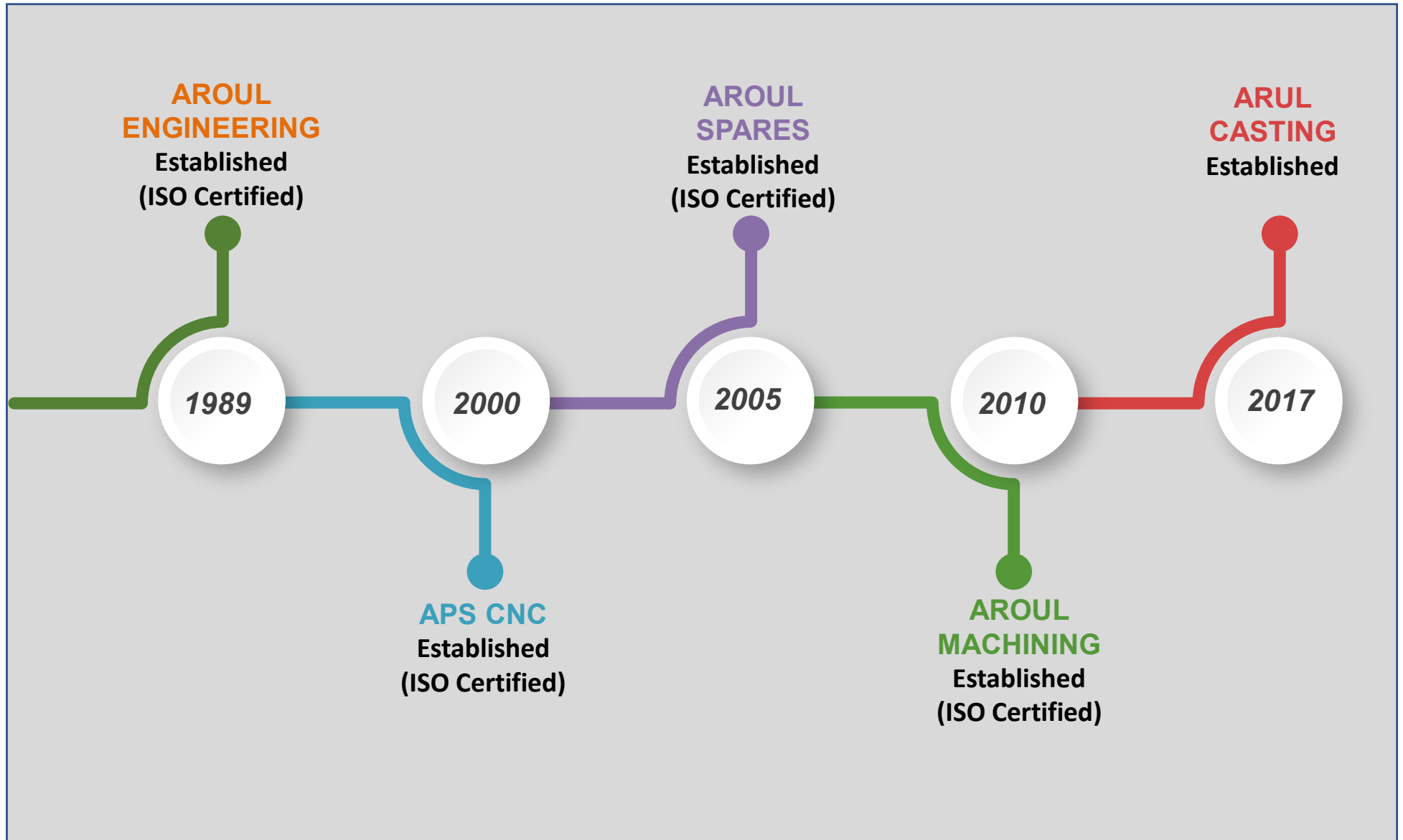
www.aroulgroup.com



Our Group Companies:

- 1) Aroul Engineering-
 - D1, Mugapair west Industrial Estate, Chennai 600037
- 2) APS CNC -
 - A3, Mugapair west Industrial Estate, Chennai 600037
- 3) Aroul Spares -
 - D11 & B7, Mugapair west Industrial Estate, Chennai 600037
- 4) Aarul Machining-
 - 2B2, Third Main Rd, South Phase, Ambattur Industrial Estate, Chennai 600058
- 5) Arul Casting
 - Plot No. B-37 & B- 38, SIPCOT Industrial Park, Irungattukottai, Chennai 602117

Aroul Group –Milestone









Aroul Group Machinery Strength:

1. Makino A51 HMC - 3 m/c
2. Makino A51 NX - 2 m/c
3. Dahlih VMC with rotary axis - 20 m/c
4. Fanuc Robo drill - 1 m/c
5. Redema Twin Spindle VMC - 5 m/c
6. Redema Twin Spindle VMC (Pallet Changer) - 1 m/c
7. Redema SPM- Valve seat machining - 1 m/c
8. AMS winner VMC - 4 m/c
9. YCM VMC -1 m/c
10. Trident VMC with Automatic palette changer - 1 m/c
11. Milling Machines - 20 m/c
12. Lathe - 4 m/c
13. VHM VTL - 1 m/c
14. Wele VMC - 3 m/c
15. Wele HMC - 1 m/c

Backed up by CMM facility & other metrology necessities for Machining

Customers-Machined Parts





Cylinder Head - 1,000,000 Nos.



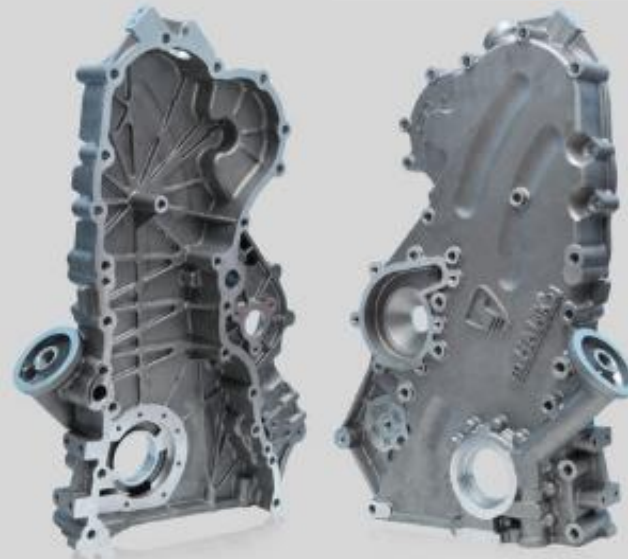
Valve Chamfer- 1,000,000 Nos.



Front Body- 1,000,000 Nos.



Steering Housing -
1,000,000 Nos.



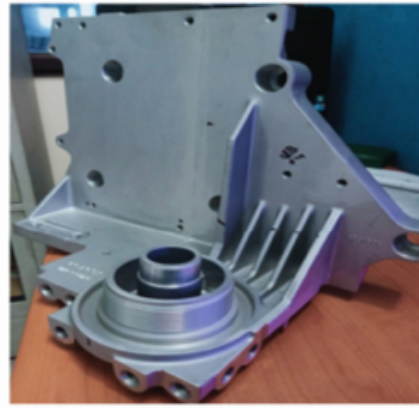
Timing Case- 80,000 Nos.



Rear Body - 250,000 Nos.



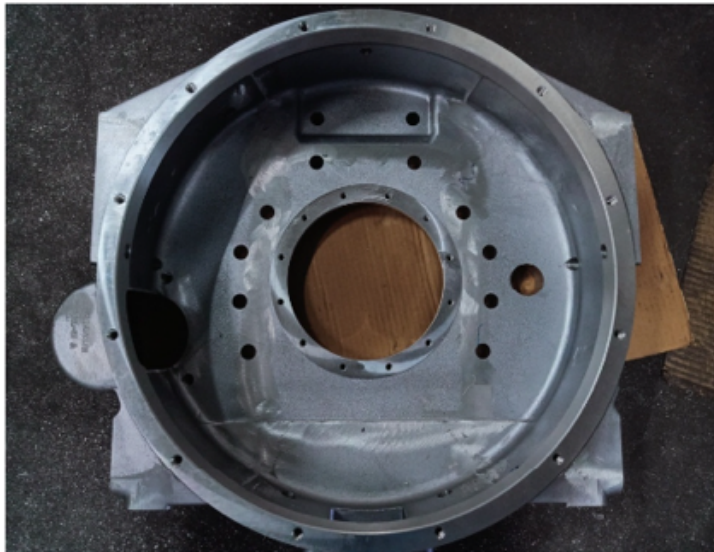
VACUUM PUMP HSG-KIA



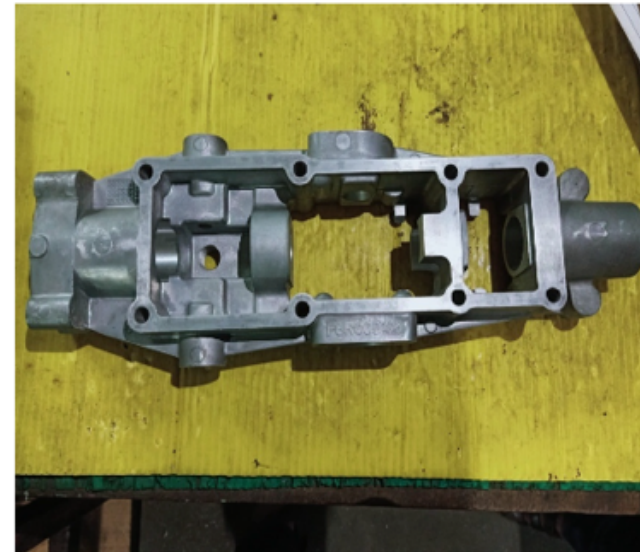
AFFH-CUMMINS



COVER FRONT-BSVI CUMMINS



FWH-CUMMINS



GEAR SHIFT HSG-AL



We are looking forward to be a long term sustainable supplier in partner for all your Aluminium cast auto parts.



THANK YOU