



**AARCS ENGINEERING**



# COMPANY PROFILE

# CERTIFICATE



Management system as per  
ISO 9001 : 2015

In accordance with TÜV INDIA procedures, it is hereby certified that

**AARCS ENGINEERING**  
104/6A, North Phase, Ambattur Ind. Estate,  
Chennai - 600 098, Tamilnadu,  
India



applies a management system in line with the above standard for the following scope

**Manufacture and Supply of: Machined Metal Components for  
Automotive and Locomotive Applications**

Certificate Registration No. **QM 07 00972**  
Audit Report No. **Q 9455/2019**

Valid until **30.03.2022**



Certification Body  
at TÜV INDIA PVT. LTD.

Issue **31.03.2019**  
Place : **Mumbai**

This certification was conducted in accordance with the TÜV INDIA auditing and certification procedures & shall be valid subject to regular Surveillance Audits.

TUV India Pvt. Ltd., 801, Raheja Plaza - 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India [cert\\_helpdesk@tuvindia.co.in](mailto:cert_helpdesk@tuvindia.co.in)





# ABOUT US



## We Aarcs Engineering

are an ISO 9001:2015  
(TUV Nord) company, established  
in 2005 by **R. SURIANARAYANAN**  
(Managing Director ) at Chennai.

We are engaged in the  
**manufacturing and supply of  
machined metal components  
for automotive and locomotive  
Industries.**

## AARCS ENGINEERING

These products are manufactured using optimum quality raw material and sophisticated technology under the experienced guidance of our professionals in order to follow industrial quality norms. Entire range is widely appreciated among our prestigious clients for its features such as compact design, dimensional accuracy, reliability, durability and perfect finish. In addition to these, offered range can be availed in customized forms as per the varied requirements of clients. Moreover, clients can avail these products from us at cost-effective price range.

Our production unit is well-equipped with the most modern machinery and the latest technology that assist us in manufacturing the products in compliance with the set industrial quality standards. All our team members work in close coordination with one another round the clock in order to fulfill the predetermined goals of the organization.





# INFRASTRUCTURE

The infrastructure of **AARCS ENGINEERING** is strengthened by our dedicated team members and manufacturing assemblies. Our work space spread over an area of 4500 Sq.ft . It comprises manufacturing unit, quality control, assembly, R & D unit & packaging unit. Our highly qualified and well experienced team **ENCOMPASSES ENGINEERS, DESIGN EXPERTS,**

Quality controllers, staff experts and many more to deliver quality components within stipulated time. Being a precious toolroom company, we are deeply involved in the manufacturing and supplying of precious gauges , complicated fixtures, **CNC & VMC** by using innovative technologies. Our manufacturing strategy includes different processes like design, quality check, Process, documentation, verification & confirmation of the products to enhance productivity and quality. Our future plan is to include 5th Axis VMC & LMW L7 CNC.



**AARCS ENGINEERING**



# OUR TEAM

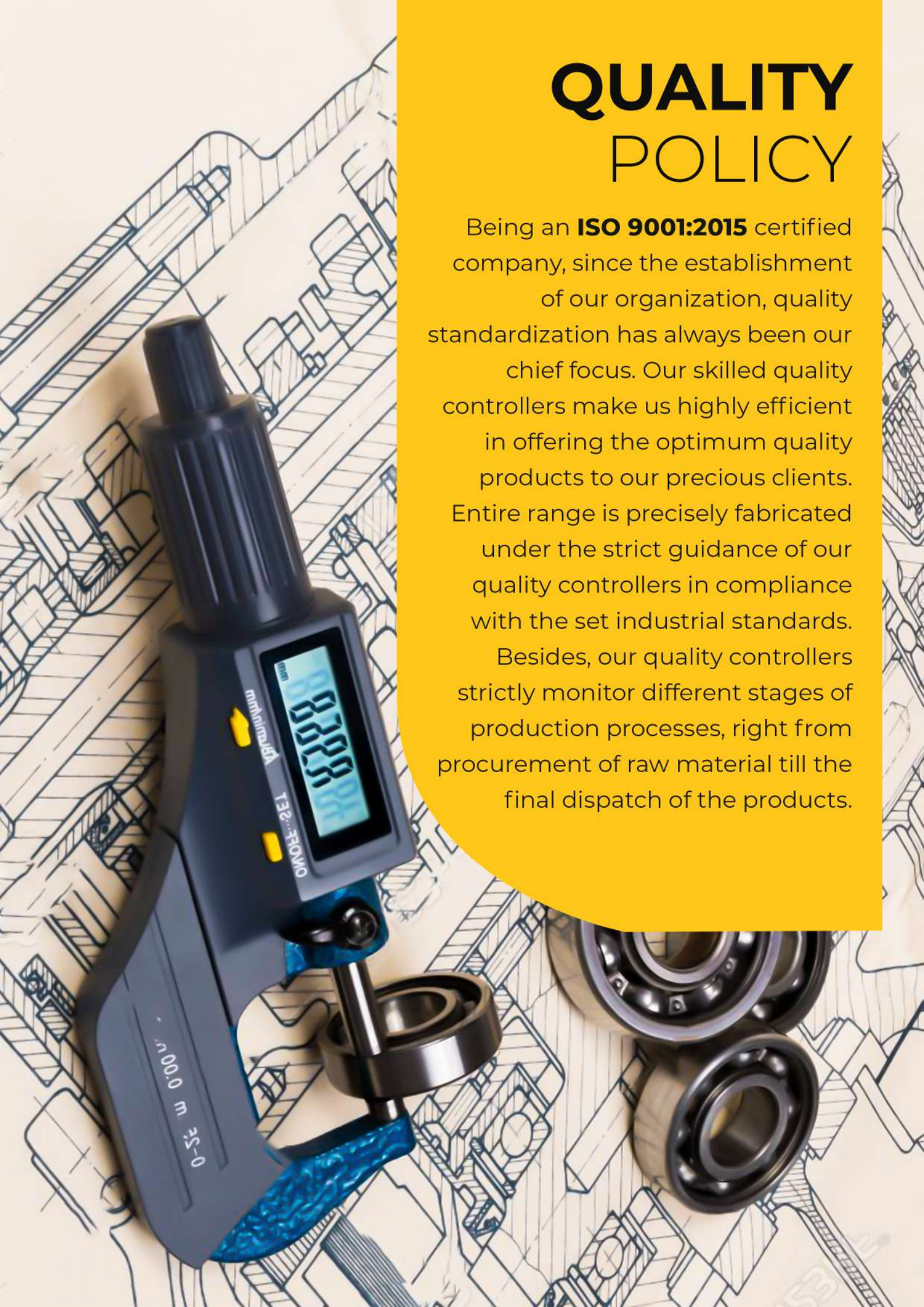
Our firm has a team of proficient workforce that has developed a range of excellent quality products. Our team members easily adapt to the latest changes taking place in the market in terms of techniques used in production. Owing to their dedicated efforts, we have been able to reach the peak of achievement.

Our professionals work in close-coordination, which further ensures timely accomplishment of the assignment.



# QUALITY POLICY

Being an **ISO 9001:2015** certified company, since the establishment of our organization, quality standardization has always been our chief focus. Our skilled quality controllers make us highly efficient in offering the optimum quality products to our precious clients. Entire range is precisely fabricated under the strict guidance of our quality controllers in compliance with the set industrial standards. Besides, our quality controllers strictly monitor different stages of production processes, right from procurement of raw material till the final dispatch of the products.







AARCS ENGINEERING

## ORGANIZATION CHART



### MANAGEMENT REPRESENTATIVE

☞ The above Organization chart, describes the reporting hierarchy among various job descriptions in a pictorial form. The generic Responsibility & Authority for each job description is detailed in Annexure C.

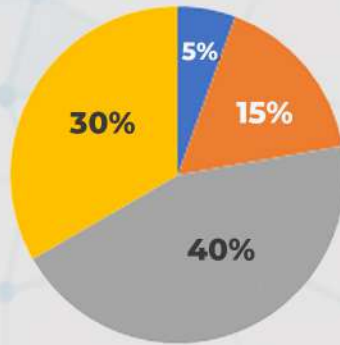
☞ The specific Responsibility & Authority for planning, execution, managing, monitoring, controlling & analyzing of each process / activities have been described in relevant sections, procedures, work instructions in a detailed manner.



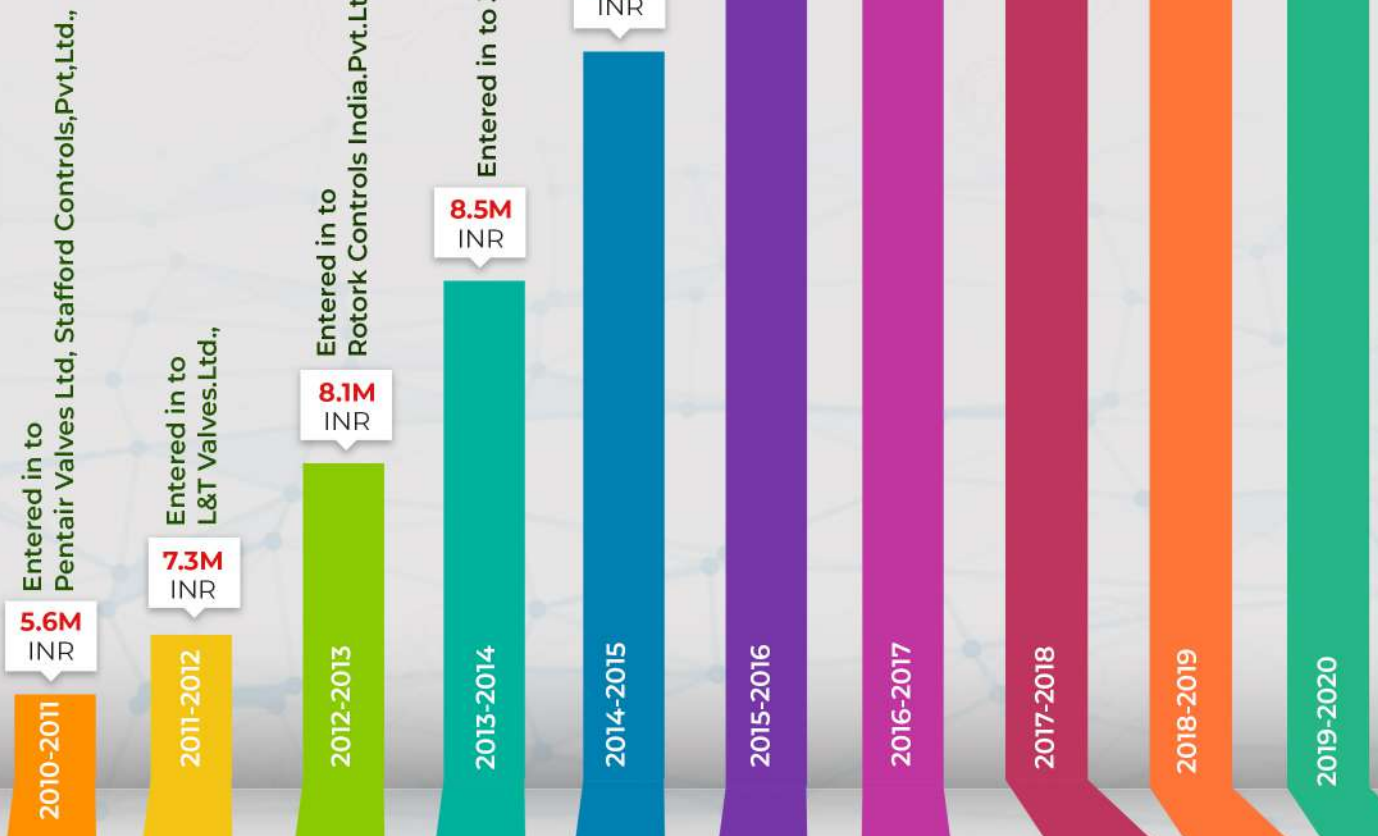
# TURN OVER DETAILS

## BUSINESS CATEGORY

- Automobile
- Spare Capacity
- Locomotive
- Valve Industries



Entered in to Amalgamation Repco,Ltd.,



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**Make: HAAS VF-4**

Travel  
X- Axis: 1270mm  
Y- Axis: 508 mm  
Z-Axis: 635mm  
Travel: 1200x505x630  
RPM: 10000  
Controller: HAAS  
Qty: 2

**Make: FEELER HMC**

Travel  
X- Axis: 762mm  
Y- Axis: 710mm  
Z-Axis: 710mm



**Controller:** Fanuc  
**Pallet Size:** 600x600  
**Pallet Qty:** 2 no's  
**RPM:** 4000

**MACHINERIES**



Travel: Ø400x2  
meter's length  
RPM: 1500  
Controller: Fanuc Qty: 1

**Make: PINACHO**

Travel  
X- Axis: 1016mm  
Y- Axis: 508 mm  
Z-Axis: 635mm

**Make: HAAS VF-3**

**RPM:** 8000  
**Controller:** HAAS  
**Qty:** 1







## LMW LL30T L7

MAKE: LMW LL30T L7  
TRAVEL: Ø320X690MM  
LENGTH  
RPM: 3500  
CONTROLLER: FANUC  
QTY: 1



## LMW LL30T L5

MAKE: LMW LL30T L5  
TRAVEL: Ø320X500MM  
LENGTH  
RPM: 3500  
CONTROLLER: FANUC  
QTY: 1



## RADIAL DRILLING MACHINE CAPACITY: 40MM



# TURNING MACHINE



MAKE: TURNER  
SIZE: 7.5'FT  
RPM: 1380



MAKE: TURNER  
SIZE: 4.5'FT  
RPM: 1380





SURFACE  
**GRINDING  
MACHINE**

MAKE: GMT  
SIZE: 450X250X300  
RPM: 12000



SURFACE  
**TABLE**

MAKE: GMT  
SIZE: 1000X630X150  
GRADE: 00



MITUTOYO HEIGHT MASTER  
MODEL: LH-600



# MEASURING INSTRUMENTS



Surface TABLE – 1000X630 X 150	1 No
Linear Height master(2D) MITUTOYO	1 No
External Micrometer (0mm-25mm)	1 No
External Micrometer (25mm-50mm)	2No
External Micrometer (50mm-75mm)	2No
External Micrometer (75mm-100mm)	1No
External Micrometer (100mm-125mm)	1No
External Micrometer (125mm-150mm)	2No
Internal Micrometer (50mm-200mm)	1No
Digital Vernier( 0- 300MM)	1No
Plunger Dial ( 0-10MM)	3No
BORE GAUGE ( 10-18MM)	1No
BORE GAUGE ( 18-35MM)	2No
BORE GAUGE ( 35- 60MM)	3No
BORE GAUGE (50-150MM)	2No
Dial Height Gauge (0mm-300mm)	2No
Vernier caliper ( 0mm-600mm)	2No
Ra Value Comparator (Digital)	1No
Inside Caliper (10-30mm)	1No
Inside Caliper (30-50mm)	1No
Vernier Depth Gauge 0-200mm	1No
Bevel Protractor	1No
Magnetic v-block	3No
Sinebar (roller distance 100mm)	1No
Slip box	2No
Surface table 600x600x25	1No



# We Aarcs Engineering Expertise in Machining Following Grade Materials

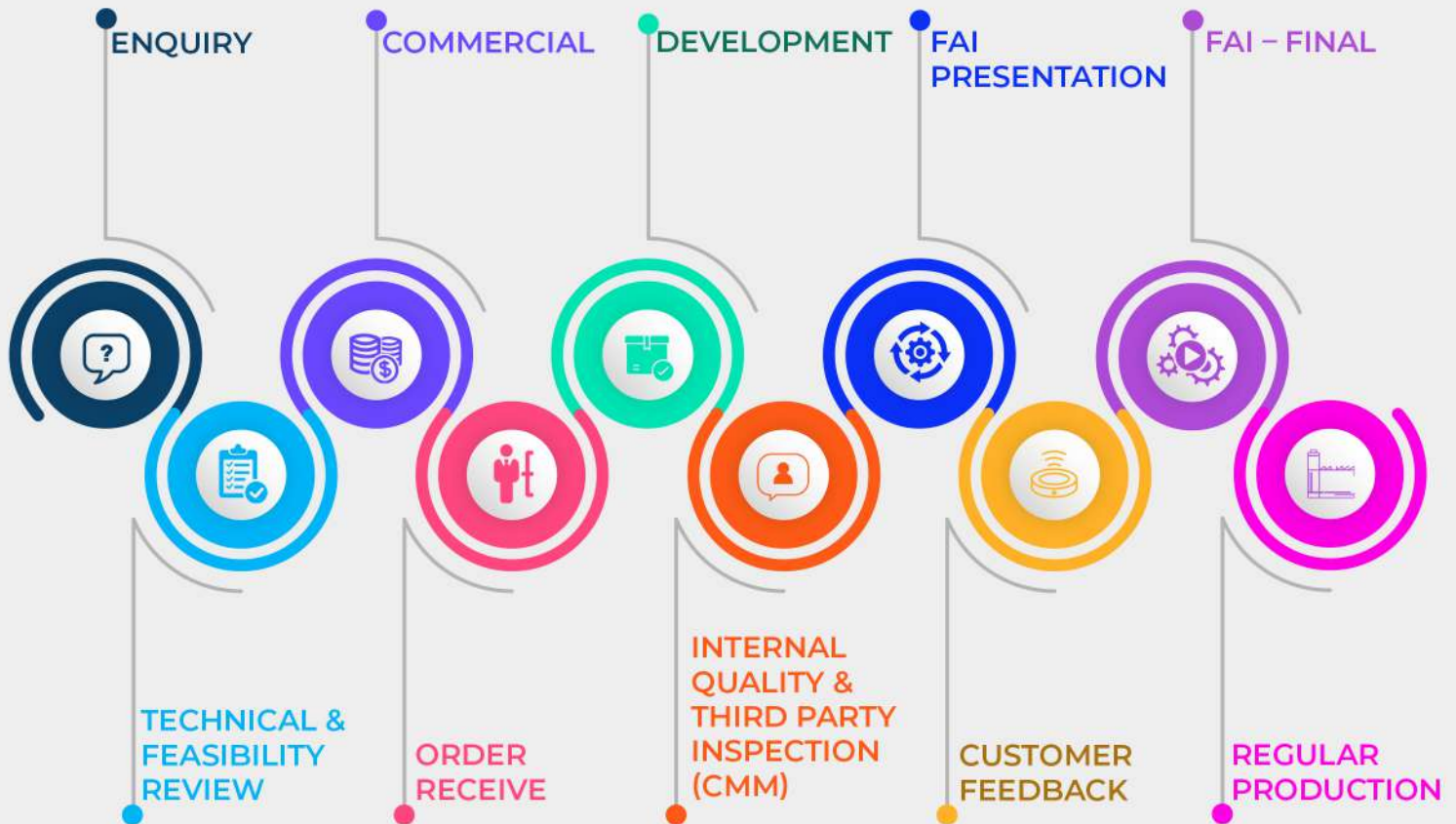


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## RAW MATERIALS



# PROCESS FLOW



WE ARE CARRYING FOLLOWING **HEAT TREATMENT** PROCESS  
TO MEET OUR CUSTOMER REQUIREMENTS  
FROM OUR SUB CONTRACT SOURCES

**1** 01 | CASE HARDENING

**2** 02 | DIRECT HARDENING

**3** 03 | INDUCTION HARDENING

**4** 04 | VACUUM HARDENING



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WE ARE CARRYING FOLLOWING  
**SURFACE TREATMENT** PROCESS  
TO MEET OUR CUSTOMER REQUIREMENTS  
FROM OUR SUB CONTRACT SOURCES

- ⚙️ Gas Nitriding
- ⚙️ Liquid Nitriding
- ⚙️ Manganese Phosphating
- ⚙️ Hot dip galvanizing
- ⚙️ Hard chrome plating
- ⚙️ Electro Plating
- ⚙️ Electro less Plating
- ⚙️ Nickel Plating
- ⚙️ Zinc Plating



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# TYPES OF **WELDING** USED IN OUR **PROJECTS**





TESTING METHODS

**WE HANDLE**

TO CONFIRM

THE **MATERIALS** AND

PROCESS USING

**THIRD PARTY**

( NABL approved Source)



Locomotive  
Component



Locomotive  
Component



Locomotive  
Component



Locomotive  
Component



Valve  
Components



Valve  
Components

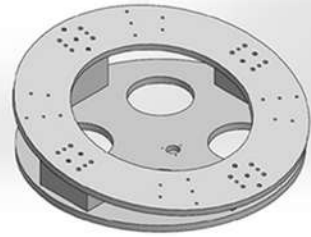




### Valve Components



### Valve Components



### Hydraulic Components



### Hydraulic Components



### Hydraulic Components



### Actuator Components



# OUR CUSTOMERS

**SIEMENS** Gamesa  
RENEWABLE ENERGY

 **Stafford**

  
DELLNER

 **L&T Valves**

**rotork**<sup>®</sup>

 **INDO-MIM**<sup>™</sup>  
COMPLEXITY SIMPLIFIED

**TAFE** 



AMALGAMATIONS GROUP

  
**Cookware**



**YAE CUBE EQUIPMENTS**





Actuator  
Components



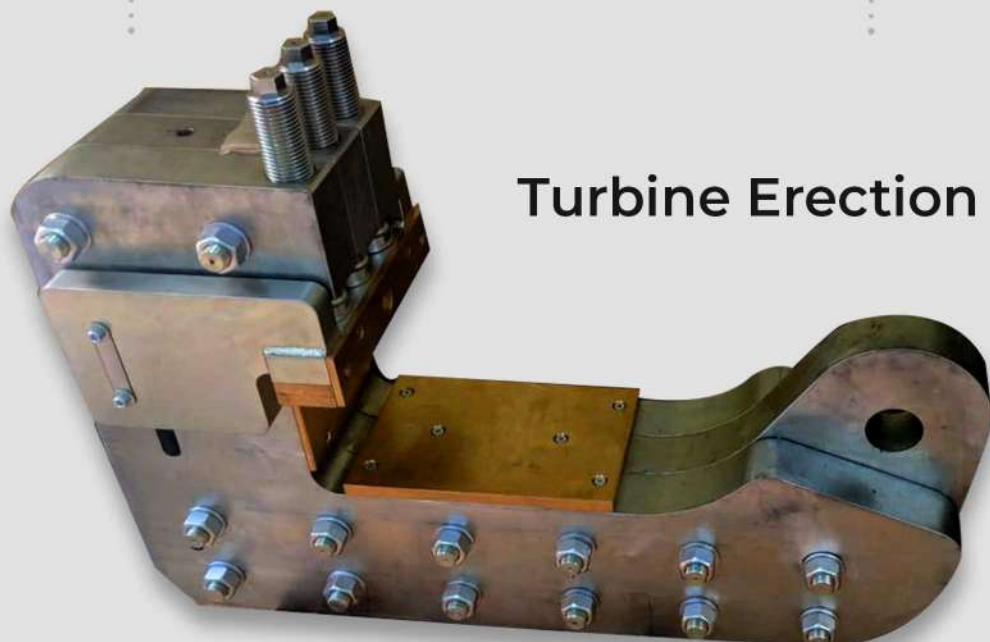
Actuator  
Components



Actuator  
Components



Automobile  
Components



Turbine Erection Tool



**AARCS ENGINEERING**

**THANK YOU**

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