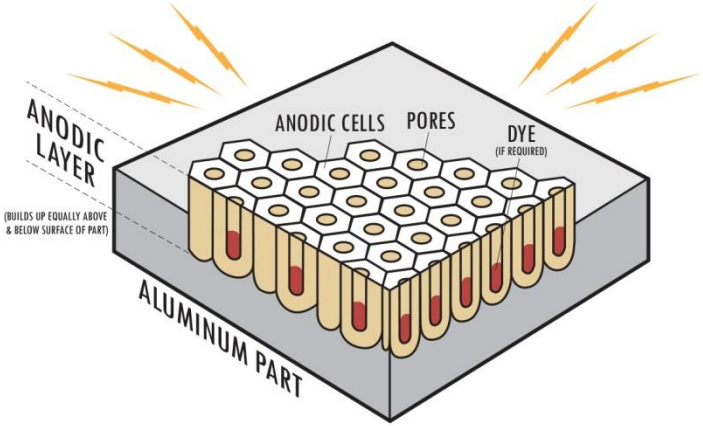
Shree Karan Metal Technologies



Anodizing

Our Company Profile

- Shree Karan Metal Technologies was incorporated in the year 2003.
- The company is promoted by Mr. Anand Kumar & Mr. Arun Kumar, Engineering Graduates having vast experience in the field of Aluminium Anodizing and Aluminium Fabrication.
- Our company is certified with ISO 9001-2015 .
- We follow TL 212:2016-12 Standard, ofl-w-620

Activities involved in

Aluminum Anodizing

Titanium Anodizing

Anodizing services

Hard Anodizing

Natural Anodizing

Colour Anodizing

Titanium Anodizing

Hard Anodizing

We can achieve surface hardness upto 48HRC & Coating thickness up to100 microns with appropriate grade of material.

Natural Hard Anodizing :

The components undergoing this process aquire hard surface coating .
The colour of the coating changes depending upon the composition of material.

Hard Black Anodizing:

After hard anodizing the components can be made black colour.

Natural Anodizing

The different finishes can be obtained by varying the Parameters of the processes.

Satin finish

Glossy Finish

Matt Finish

Colour Anodizing

After Anodizing components can be colored in following ways.

Organic Colouring :

Organic dye pigments can be used to colour freshly anodized components. The components that undergo this process are usually not exposed to ultra violet radiations as the chances of colour fading is more.

We are regularly doing Black Anodizing. For automotive parts and Heat sinks.

Inorganic Pigments Colouring :

Many of the general operating recommendations given for Organic dyes also apply to inorganic Pigments.

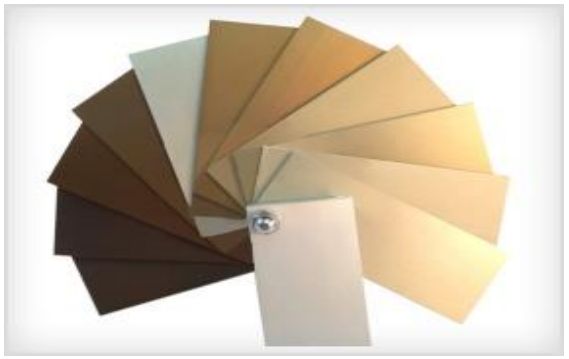
Very limited colours can be obtained and the produced colours are more stable to light and heat when compared to organic colours.

Electrolytic Colouring:

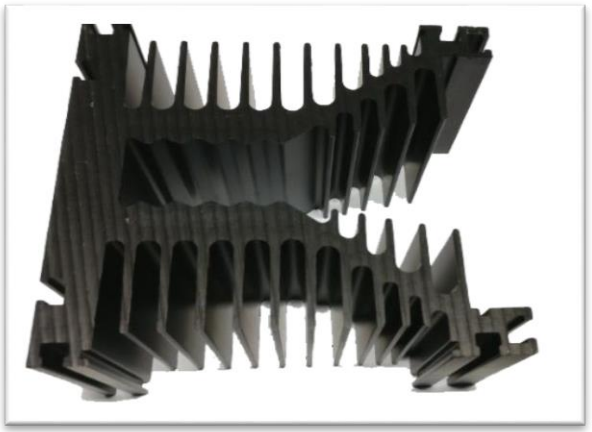
This is an Electrolytic process for obtaining colours on anodized aluminium. The colours can range from champayne , bronze to Black colour.

Example of Colour Anodizing

Organic Colouring

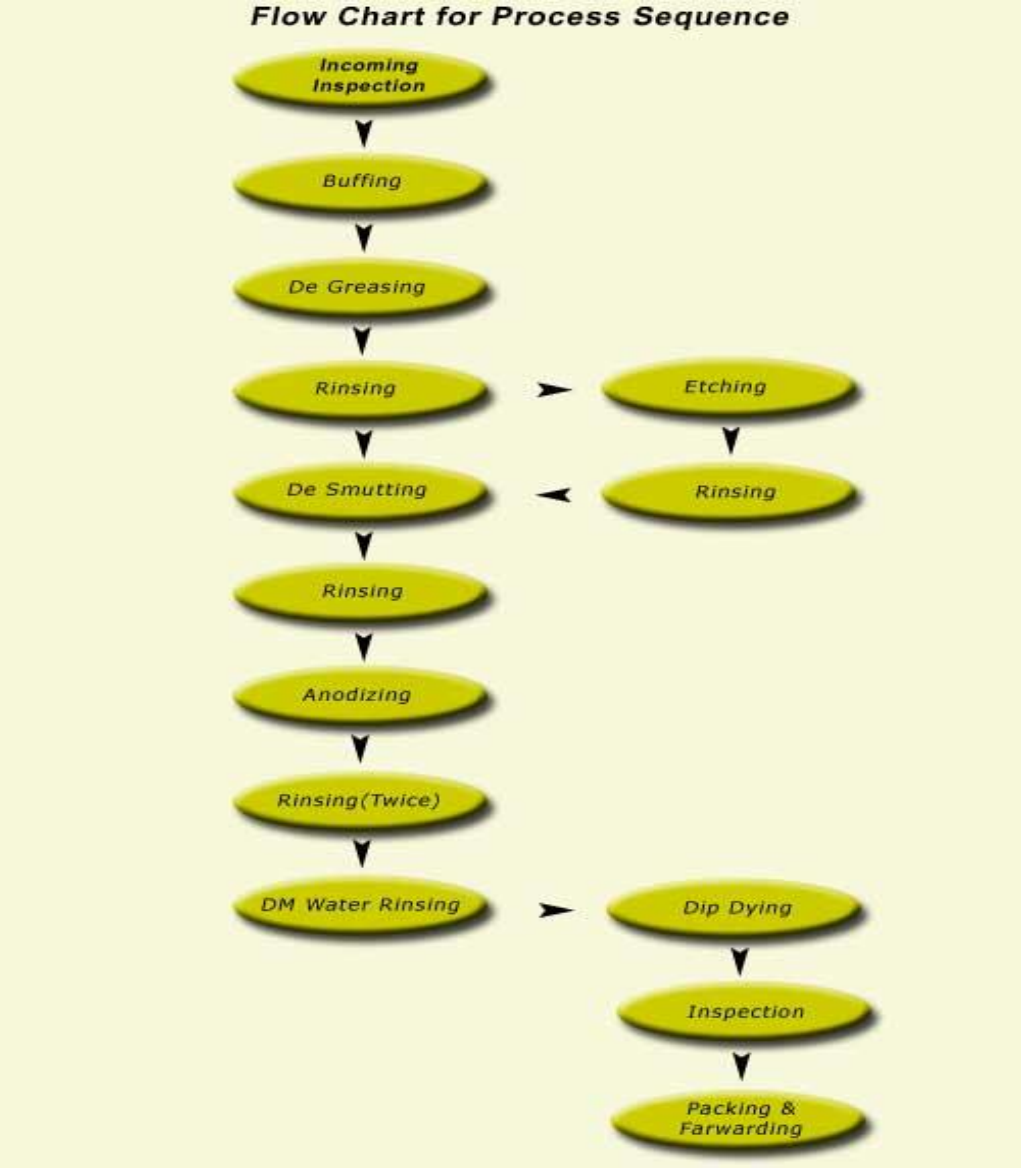


Electrolytic Colouring



Black Anodizing

Flow Chart


Flow Chart for Process Sequence
Incoming Inspection
Buffing
De Greasing
Rinsing
Etching
De Smutting
Rinsing
Rinsing
Anodizing
Rinsing(Twice)
DM Water Rinsing
Dip Dying
Inspection
Packing & Farwarding

Infrastructure

- Unit 1 premises is spread over 4000 sqft of land.
- Our new Unit 2 Auto plant is spread over 10000 sft of Land
- We have taken all the safety measures for our employees.
- We are approved by pollution control board.
- We work for 6 days a week with different shifts.
- We are equipped by electronically controlled rectifiers.
- Efficiently working Chilling plants
- Heat Exchangers
- Process Tanks
- Scrubbers
- Cranes etc…

Testing Facilities

- Analytical laboratory is maintained to check the concentration level of acid baths.
- Analysis report is maintained and is available for our clients at any point on demand.
- Inspection report shall be supplied to clients measuring coating thickness.
- Positector is the instrument used to check the coating thickness of anodized aluminium.
- It is a self calibrating equipment using masters. The masters are periodically calibrated.
- Surface hardness, salt spray tests and coating thickness
- Measurement from third party/Laboratories can also be arranged.

OUR EXPANSION

- We are expanding with additional place of business.
- Area of expansion is 15000 sft with 10000 sft shed construction.
- Factory premises is spread over 10000 sqft of land.
- Land allotment approved by Industrial Board - KIADB
- We have taken all the safety measures for our employees.
- We are approved by pollution control board - KSPCB.
- Got approved by Electricity board – KEB

AUTO ANODIZING PLANT

Company Client

TOYOTA

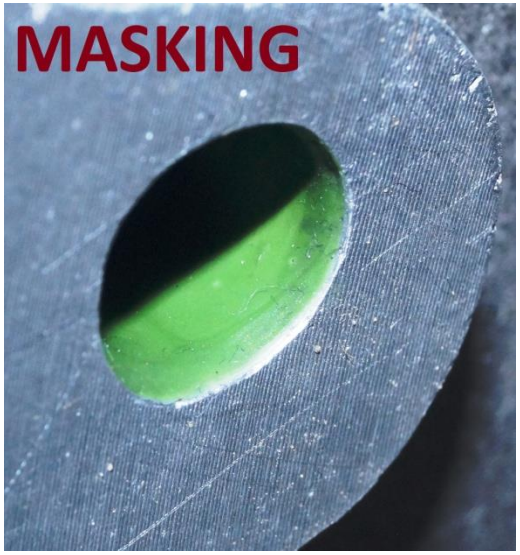
BOSCH

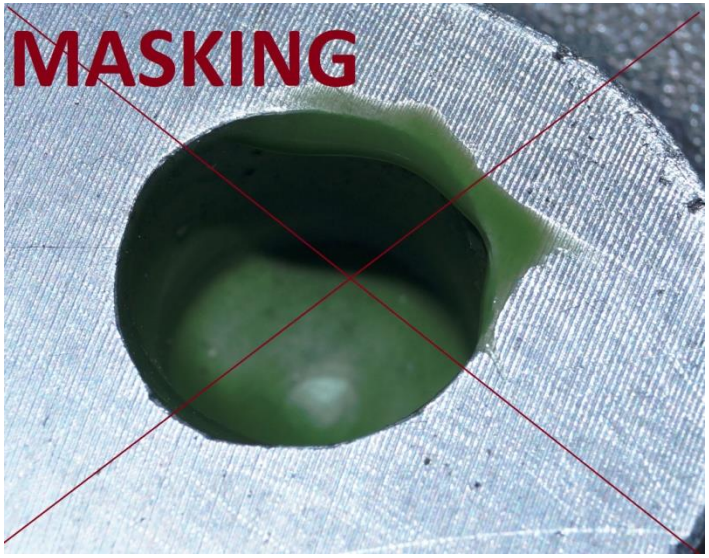
Mahindra

VOLVO

MAINI

Work Gallery





Work Gallery

Part Loading

Future Improvements

- DRIER/OVEN TO DRY PARTS
- ELECTROPOLISHING PROCESS TO IMPROVE UNIFORMITY
- ERP SYSTEM TO ENHANCE TRACE ABILITY.
- BAR CODE SYSTEM FOR IDENTIFIACTION.
- MULTIPLE TRANSPORTER TO INCREASE PRODUCTION .
- PLC CONTROLLED RECTIFIERS.
- ADDITIONAL TANKS TO HANDLE MORE VOLUMES.

Thank you