



**SURE SHOT  
TO SUCCESS**

# **ALUMINIUM EXTRUSION WORLD**

COMPLETE SOLUTION TO  
ALUMINIUM EXTRUSION INDUSTRY



# ALUMINIUM EXTRUSION WORLD



*Surendra Sinha*  
(Managing Director)

Surendra Sinha who is Managing Director of the company is Well Qualified, technically sound, having a Masters degree in Metallurgical Engn and Masters in Business Administration and having more then 30 years experience in the Aluminium Industry, Surendra Sinha has prominently worked in establishing various plants and factories across the globe. With his atmost dedication, he aims to bring this business to a great scale and provide one stop solution for the aluminum industry globally.

# ABOUT US

We proudly introduce ourselves as manufacturers of auxiliary equipments and machineries used in Aluminium Extrusion Industry, situated at Vadodara, Gujarat. We are also manufacturers of alloy ingot plants.

We are an exclusive service & solution provider to aluminium extrusion industry , aluminium alloy ingot plant, aluminium foundry, powder coating as well as anodizing, having a dedicated team of technical and commercial experts, who provide solution to all the needs and requirements of the clients, leading to satisfaction.

We provide manpower solution to existing as well as the beginner companies in this industry. We take turnkey projects for installation of Aluminium extrusion plant and anodizing & powder coating plant. We support our customer's success by creating exceptional value through innovative technologies and have dedicated ourselves to seamlessly provide efficient services to our customers.





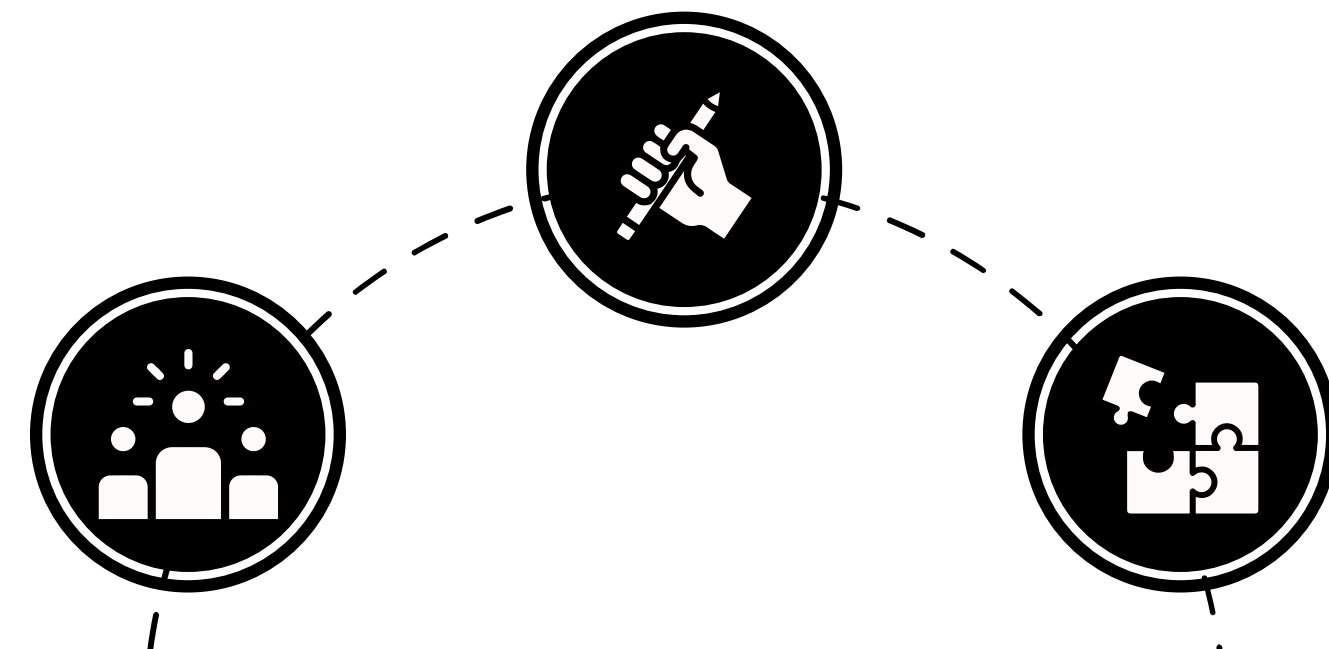
# VISION AND MISSION

## Vision

Our motive is to become the **leading manufacturer in providing auxiliary equipment and machinery** in this industry. Our company also has a vision to be the global leader in providing complete and **one stop solution to all the needs of the customers related to Aluminium Extrusion, Powder coating & Anodizing.**

## Mission

- To provide all the **auxiliary equipments required in the Aluminium Extrusion Industry** such as Melting furnace, Hot top caster, multi-log heater with log shear, Puller, Handling system with stretcher, Ageing oven etc. from our own manufacturing unit.
- To meet the customer's requirement.
- To provide the latest technology, technical support and manpower solution.
- To provide sales support, raw material sourcing and purchasing and complete plant management.
- To provide knowledge to the beginners and the experts in this industry.
- To enhance the business of the company and its individuals.
- To provide **solution to Aluminum Extrusion, Powder coating, Anodizing & Alloy Ingot plant.**



# Our Services

## PROJECT INSTALLATION AND MANPOWER SOLUTION BUYING AND SELLING OF USED MACHINERIES

### *Project installation and Manpower Solution*



- We provide complete manpower support, sales support, raw material source and purchasing, complete plant management. We also help our clients in the buying and selling of old and new presses and machineries.

- We help our customers in providing them with several options of used machineries and provide them with the best deals possible. We further help them in the installation of those machineries as well. We provide turnkey solution wherein we provide them with a working setup from the lifting-shifting to running of machinery. We also buy used machineries from potential clients.



### *Buying and selling of used machineries*

# Our Services

## ALUMINIUM EXTRUSION PLANT CONSULTANCY



### Aluminium Extrusion Plant Consultancy



- Aluminium extrusion is one of the fast growing sectors. AEW is committed to design and install **aluminium extrusion presses with auxiliary equipment** on turnkey basis or as desired by our clients. We also provide one stop solution to aluminium extrusion industry.
- We provide complete manpower support, sales support, raw material source and purchasing, complete plant management. We also help our clients in the buying and selling of old and new presses and machineries.
- We maintain the highest possible standards with state of art and technology. Our designs are user friendly, i.e. ease of operation with highest quality and productivity.
- We have abundant experience in the aluminium extrusion production technology and excellent R&D on manufacturing and installation. We take pride on ourselves for giving precision engineering to the highest possible quality to our clients.

# MANUFACTURED ITEMS AT OUR FACTORY



We have established ourselves as the manufacturers of auxiliary equipments and machineries. This provides our customers with an ease to access these equipments for their Aluminium Industry needs.

We have our factory situated in Vadodara, Gujarat.

## **Auxiliary Equipments** we provide :

- Melting furnace
- Hot Top Casting
- Multi-log heater with log shear
- Puller
- Stretcher
- Run out table
- Finishing cutter
- Ageing oven
- Die oven
- Pollution control system



## *Manufacturing of auxilliary equipment*



Manufacturing

# DIE MANUFACTURING



We are experts in die manufacturing. Extrusion dies can be made to form a virtually limitless array of shapes and sizes. These are cost-effective and user-specific. We can provide with customised dies to cater to your need and giving the best quality and services. . WE also provide auxillary toolings like making of stem, container liners, IBH, Bolsters, Die ring, Holders specifically in H-13 Grade Die steel

## *DIE MANUFACTURING*



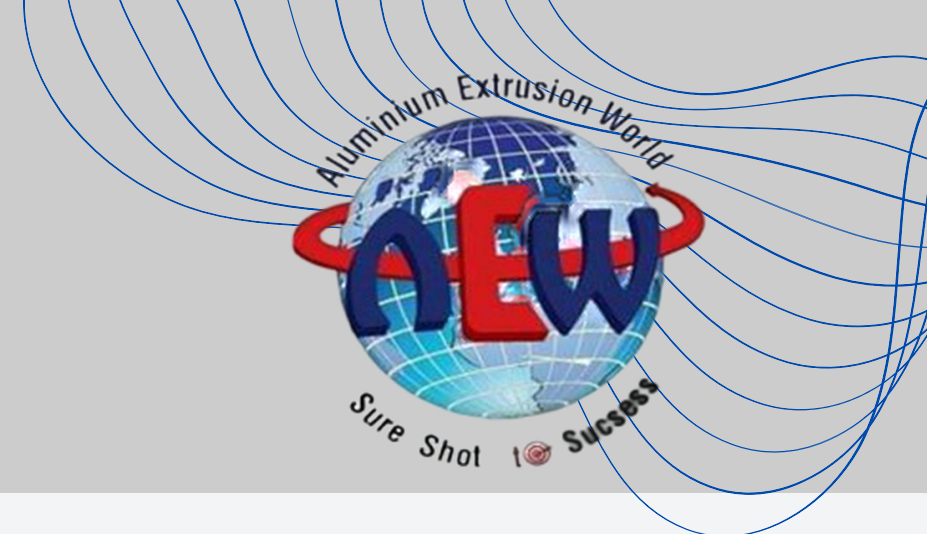
**Manufacturing**

# ALLOY INGOT PLANT

Ingots are very large casting products, greater in size and shape than blooms, billets and slabs. We are reliable manufacturers of alloy ingot plants wherein we provide you with the complete solution for your plant. Our team, coupled with the enhanced technology focusses to make foundry (melting unit) a benchmark in aluminium industry. We provide the aluminium scrap, knowledge, technology knowhow as well as complete solution to foundry related problems.



# POWDER-COATING



The quality of finished powder coating products is a blend of knowledge, experience and capability of the people and equipment that are used. AEW offers complete and satisfactory solution to powder coating right from the starting to end.

***We at AEW manufacture:***

- ***Powder Coating Turnkey Projects***
- ***Fully Auto , Semi Auto & Manual Plants***
- ***Control Panel Conveyorised Powder Coating Plant***
- ***Aluminum Section Conveyorised Powder Coating Plant***
- ***Pre Treatment Process Plant with Dip PT Line , Transporter System, Spray PT Line etc.***
- ***Powder management systems***
- ***Fusion Bond Epoxy Powder Coating Plant For Casting Parts***
- ***PVDF Coating plants***
- ***Stainless Steel & MS Powder Coating Booth with Recovery Systems.***
- ***Automatic/Manual Powder Coating Equipments***
- ***Powder Coating Job Work in Conveyorised plant.***

While designing the plant we pay great attention to maintain enhanced productivity, reduced labour, super finish quality and ease of operation.

Manufacturing

# ANODIZING PLANT

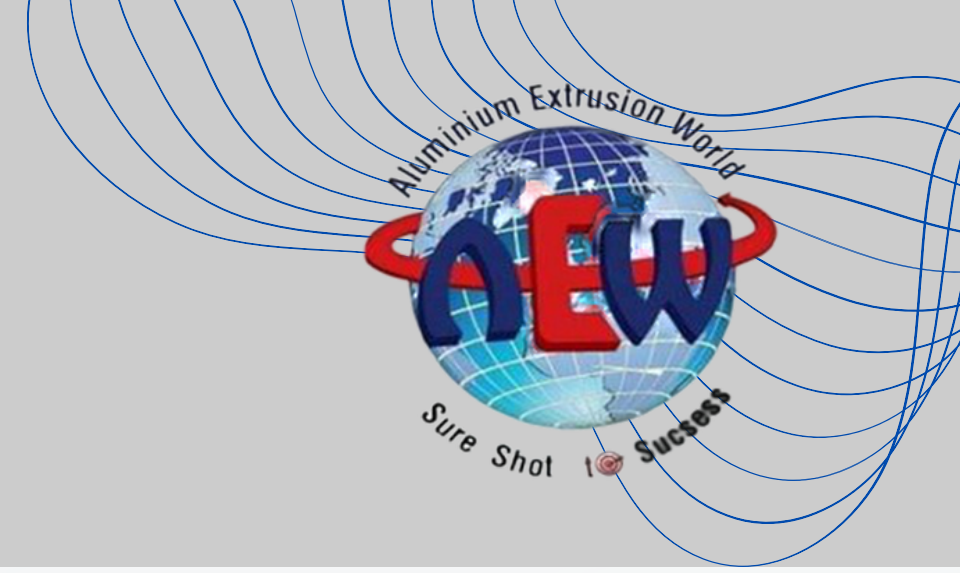


- *We take turn key project for Installation of anodizing plant. We can design manual, semi-auto and automatic plants as per the requirement. We provide an array of additional benefits that delivers value addition, reduces total costs, while saving our client's valuable time. Our skilled and expert professionals have been crafted over years to install and resolve any problem related to anodizing.*

Anodizing



# WOOD FINISH COATING PLANT



Aluminum can serve as a replacement for wood in a variety of different projects. Doors, windows, cabinets, and building exteriors can all be given the appearance of wood. There are mainly two methods for making aluminum that looks like wood:

- Powder Coating – One of the most common types of aluminum finishes.
- Sublimation – Used to imprint patterns after powder coating.

The wood-effect sublimation process of aluminum begins with the pre-treatment of the profile, which sees the elimination of any residual impurities or imperfections that may prevent the complete subsequent adhesion of the sublimation film. We provide turn-key solution for making wood finish coating plant.



# ALUMINIUM EXTRUSION PRESS



The press supplies the force necessary to squeeze the billet through the extrusion die.

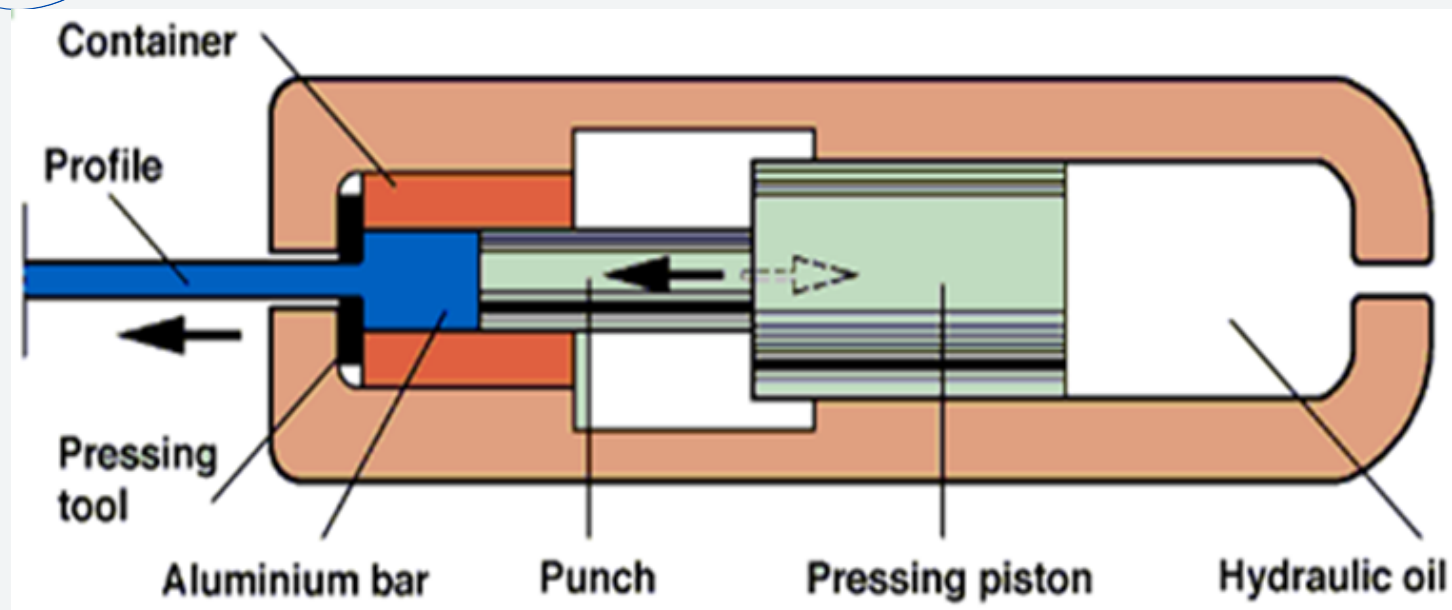
It consists of :

- The container where the billet is put under pressure.
- The main cylinder with the ram for pushing the billet into the container and through the die.
- The front platen giving counter support to the die package.
- The main columns fixing the front platen and the cylinder together.
- The die is supported by a series of back dies or backers and bolsters for transferring the main press load to the front platen.

# ALUMINIUM EXTRUSION PLANT



# EXTRUSION PROCESS



Extrusion is a process that forces metal or plastic to flow through a shaped opening die. The material is plastically deformed under the compression in the die cavity. The process can be carried out hot or cold depending on the ductility of the material.

The tooling cost and setup is expensive for the extrusion process, but the actual manufactured part cost is inexpensive when produced in significant quantities. Materials that can be extruded are aluminum, copper, steel, magnesium, and plastics. Aluminum, copper and plastics are most suitable for extrusion.



# APPLICATIONS

Home automation



Transportation



The environment



Space & defense



Security



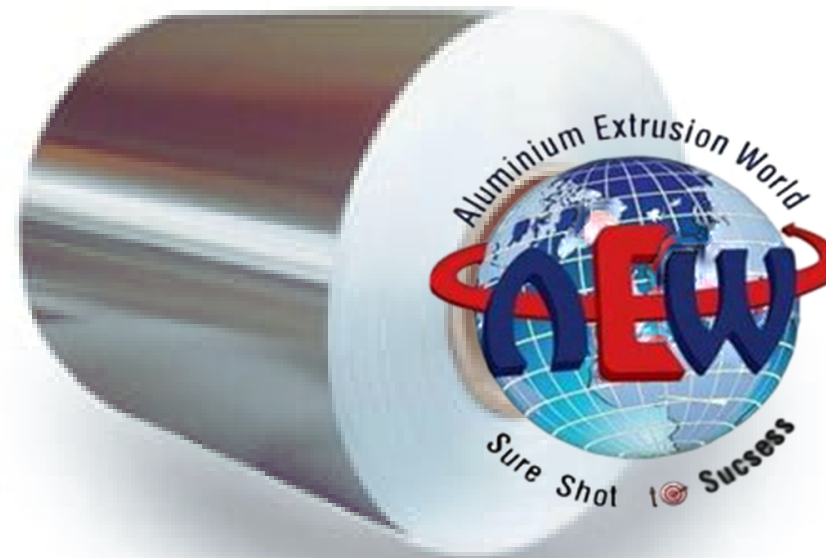
Food



Communication



Aluminum



Aeronautics



Healthcare



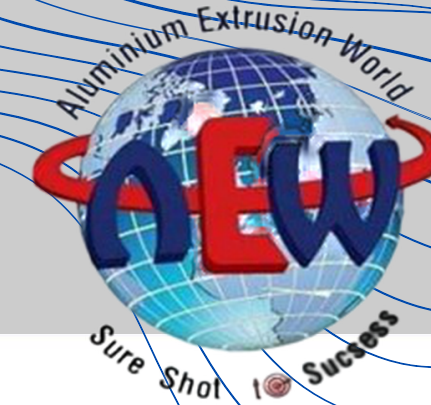
Sports & leisure



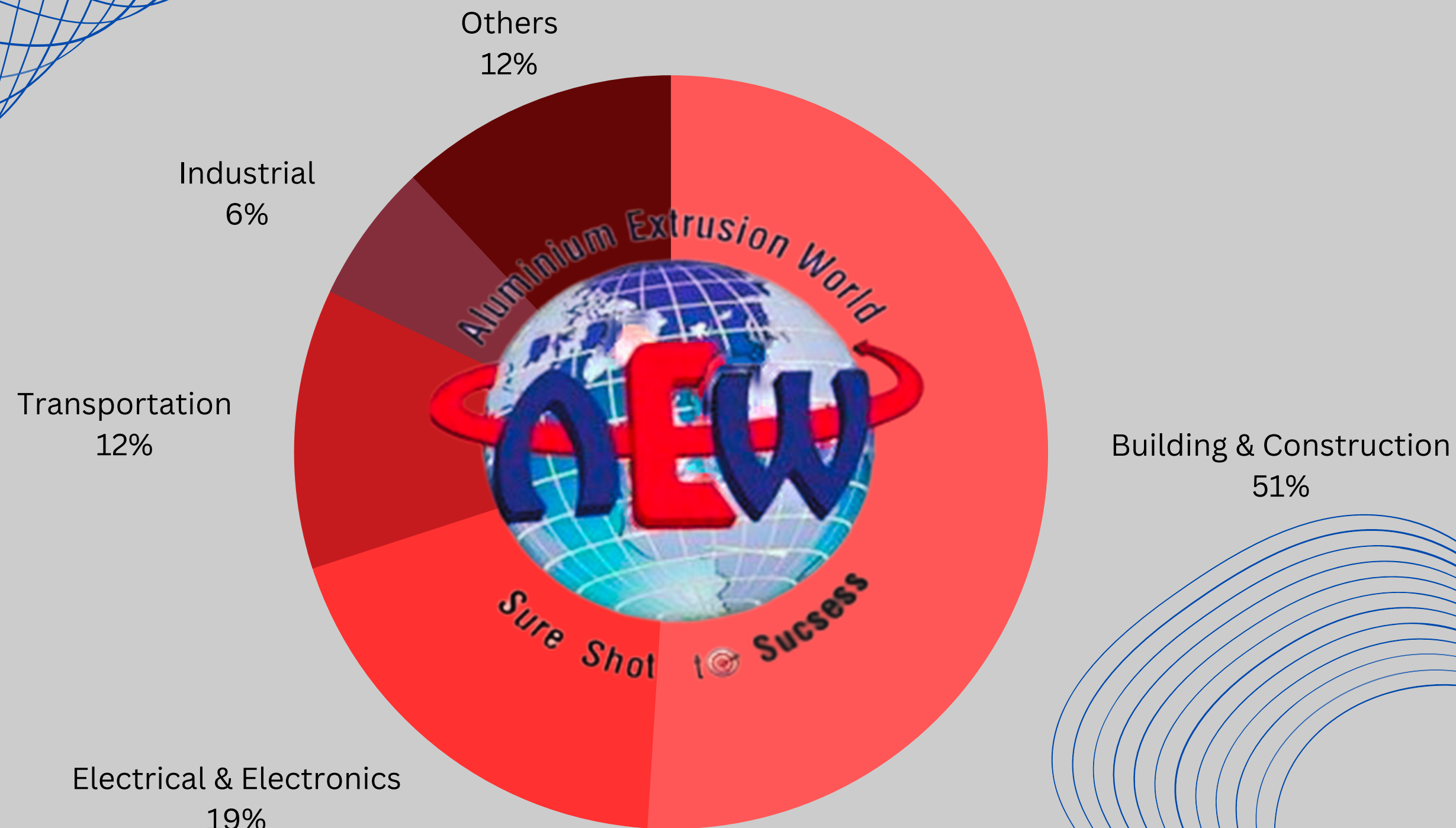
Energy



# GROWTH OF ALUMINIUM PRODUCTION



# ALUMINIUM EXTRUSION MARKET USAGE



# PROJECT ASSOCIATIONS

Saudi  
Arabia

- Ajial Aluminium Factory
- Aluminum International Company

Kenya

- Cannon ALuminium Fabricator Ltd.

Jamaica

- Jalex Manufacturing Ltd.

Dubai

- Al Shali Industries Ltd.

India

- Alcon Aluminium Extrusion Pvt. Ltd.  
(Jalgaon, Maharashtra)



# PROJECT ASSOCIATIONS

India

- Kanha Aluminium Pvt. Ltd. (Indore, Madhya Pradesh)
- Vision Aluminium Extrusion Pvt. Ltd. (Pune, Maharashtra)

India

- Atulya Extrusion Pvt. Ltd. (Bhilwara, Rajasthan)

India

- Man Mandir Extrusion Pvt. Ltd. (Udaipur, Rajasthan)

India

- Mehi Metal Pvt Ltd (Malda , West Bengal)

India

- Shatabdi Advance Composites Pvt Ltd. (Vadodara, Gujarat)



# GET IN TOUCH

**Surendra Sinha**

*(Managing Director)*

**ALUMINIUM EXTRUSION WORLD**



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One stop solution to Aluminium Extrusion Industry