

ISO 14001:2004



INDO ALUSYS INDUSTRIES LIMITED

(Formerly Mahavir Aluminium Limited)

An ISO 14001:2004 Certified Company

Superior Technology Superior Solutions



One Company
Many Possibilities

Aluminium Extrusions

Architectural

Alloy Ingots

Cables and Conductors



The company's brand 'MAL' is well recognized in the local markets and enjoy good position in terms of quality and service. Indo Alusys Industries Limited (IAL) was founded in year 1979, with a vision of setting new benchmark in Aluminium industries by producing high quality Aluminium Extrusions. IAIL has seen three decades of innovations and technologies, in the production and recycling of the metal. Over the years we have geared up to be even more adaptive to the changing environment and promoting "Aluminium Stewardship" in our operations by utilizing metal in a strategic manner to facilities the best possible use for the socio and economic. To facilitate end use customer IAIL has 4 divisions

- Aluminium Extrusions
- Architectural Division
- Alloy Ingots Division
- Cables and Conductors

A wide product range suitable for

Architectural | Automobile & Automotives | Electrical & Electronics
Air Handling Unit & Air Conditioners | Solar & Industrial Applications | Geometrical Shapes | Hardware



Aluminium Extrusions:

IAIL has an installed capacity of 14,000 MTPA of Aluminium Extrusions, Alloy Ingot capacity of 22,000 MTPA, Powder coating & finishing capacity of 2,400 MTPA and Anodizing / Electro-coloring capacity of 2,000 MTPA. We also have fabrication capacity of 10,000,00 SMPA for doors & windows, structural glazing, curtain wall, aluminium cladding, skylight, frameless glazing. The company is well positioned to face the global competition powered by German aluminium extrusion press & Italian expertise in Anodizing, Electro-coloring & Powder Coating.

Machinery:

IAIL has Hydraulic Extrusion Presses of 2100 US tonnes, 1650 US tonnes, 1250 US tonnes and 1100 US tonnes capacity. The operations are controlled by Micro-processor based technology and programable logic control (PLC) system for the above extrusion presses. Furnaces are equipped with fuel efficient regulative burners. Our installed capacity has now reached to 22,000 MTPA to meet the ever increasing demands of the market.

Technology:

The Plant has a most modern foundry to cast high quality Aluminium alloy billets applying hot top casting process. The alloy composition of the billets is controlled by computerized spectrometer at the stage of melting and subsequent casting.

ISO Certification:

IAIL is one of the few Extrusion Company in India to have ISO 14001:2004 Certification from world renowned certifying agency DET NORSKE VERITAS (DNV) of NETHERLAND.



Quality:

IAIL believes that quality throughly checked by an inbuilt process of quality assurance. Quality control measures are applied at every stage of operation during production to ensure "ZERO EFFECT".

Extrusion dies which form the heart of an extrusion process are manufactured in house by computerized CNC Milling and CNC Wire Cut machines and Spark-Erosion-cum-Electrical Discharge machines and subsequently polished through super finish polishing machine to achieve a very high degree of dimensional accuracy, close tolerances and smooth surface finish for its extruded profiles and sections.

Anodizing:

IAIL has its in-house facilities for Anodizing and Electro Coloring with Sophisticated Technology acquired from Italy. Anodizing and Electro coloring is an electro chemical



Architectural Division:

The Aluminium Architectural Division is one of the leading fabricators of Architectural Aluminium Doors, Windows and Curtain Walls,

Structural Glazing, Aluminium Composite Panel, Scaffolding, Facades, Cladding, Skylight and any other specialized Aluminium Architectural Products.

We have in house design

department and we are capable of proposing system for the above work and also preparation of the shop drawing before start of fabrication. We have more than 40 systems related to all categories and innovative designed in house die shop to develop dies for various profile as per the requirements. The product systems confirm to the international quality standards on insulation, stability and functional performances and guarantee air-tightness, noise reduction (up to 55 db.), structural stability, thermal insulation acoustic insulation, safety, security and smooth operability.

The features of the architectural products are as under:

- Air & Water tightness
- Structural Stability
- Sound Insulation
- Thermal Insulation



process which gives an anodic thickness of the desired microns. IAIL has processes for various other colours to suite the requirement of its customers with up to 30 microns and length up to 6.5 meters.

Powder Coating:

IAIL has Powder Coating facility which is the ultimate and latest in architectural field. Powder Coating of polyester, or epoxy powder paints are excellent in their quality that contains 100 percent solid material. We can undertake powder coating Aluminium Extruded Profile of length 6.5 meter in different colours.





Alloy Ingots Division :

IAIL is one of the most renowned manufacturers of Aluminium Alloy Ingots that adopt sustainable and energy efficient methods to produce Alluminium Alloy. We intend to produce high quality Alloy Ingots by recycling scrap Aluminium, the plant has an ultra-modern foundry having instinctual facility to melt and cast durable Aluminium Alloy Billets of fine quality. Indo Alusys has an Alloy Ingots capacity at 10,000 MTPA. Our wide range of Aluminium Alloy Ingots having different sizes and structures are the source of supply to major ancillary companies of automotive sector. Having a manufacturing facility within the auto component hub offers a great locational advantage.

The covered shed for Aluminium Alloy Ingots has proper arrangement for hand sorting for the mechanization of Cold Refining to achieve higher productivity and better sorting which allows uses of various low grade materials

Distinctive Advantage:

- Indo Alusys has an Alloy Ingots capacity at 10,000 MTPA.
- It recycles scrap Aluminium to produce Alloy Ingots.
- It supply Alloy Ingots to major ancillary companies of automotive sector.

Cables and Conductors :

IAIL state-of-the-art cable manufacturing unit is located at Bhiwadi in the Rajasthan State of India and it is spread over an area of 20,500 sq. meters. Company have sufficient space for the future expansion plans for manufacturing HT cables up to 132 KV.

Technology:

Plant is also equipped with modern testing facility required to test Flame Retardant (FR) of Flame Retardant Low Smoke (FRLS) cables. Products are type tested and approved by NABL accredited test houses like CPRI, ERDA, NTH, NSME, QMC etc.

Quality:

Quality Management System of IAIL's Cable & Conductors manufacturing unit has been awarded ISO 9001:2008 certification by KVQA, Norway. Company do undertake all the activities i.e. selection of raw material suppliers, schedule planning, production, testing and delivery of cables and conductors.

We Manufacture Power Control Cables and Conductors:

Cables:

- Aerial Bunched Cables
- L1.1 KV PVC Power Cables
- T XLPE Cables

Conductors:

- All Aliminium Conductors (AAC)
- Aluminium Conductor Steel Reinforced (ACSR)
- All Aluminium Alloy Conductor (AAAC)





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