

## Aluminum Profiles



### About aluminum profiles:

Aluminum profiles refer to extruded aluminum available in different shapes such as Rods, Hollows, Channels, Beams, Angles and Bars. Combining one or more of these shapes produces different types of profiles that are used in industries such as building & construction, automotive, aircraft & aerospace, architecture & heat sinks, and military missile container. Extrusion process creates shapes by heating billets of aluminum alloy to soften them and then forcing them with a hydraulic press under high pressure through special dies/casts.

### Types typical of Aluminum profiles:

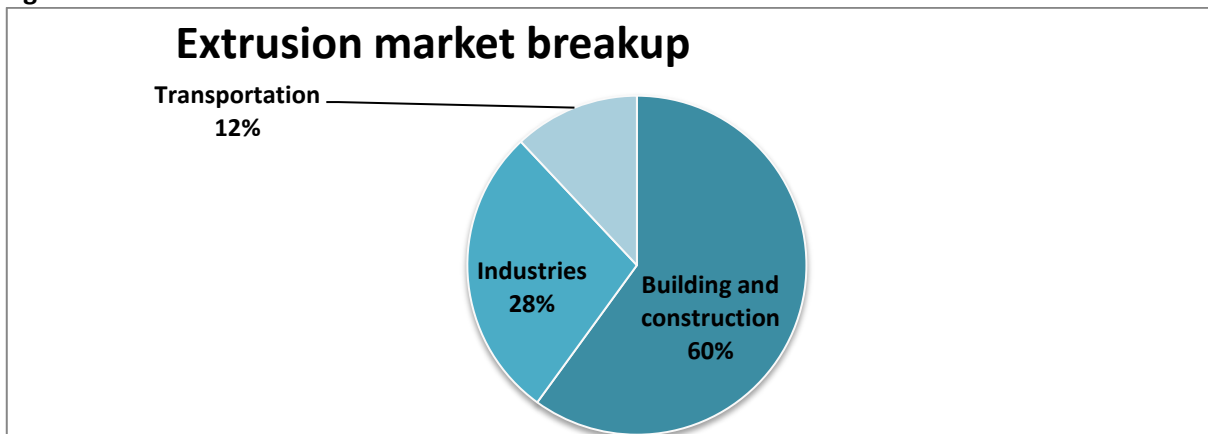
- Structural shapes
- Mirror, glass and panel trim
- Showcase track systems
- Assorted fixtures trim
- Ticket molding
- Glass wall rail
- Roller shade extrusion



### About opportunity:

India is considered to be the fifth largest producer of aluminum in the world with a tremendous bauxite reserve of about 3 billion tons<sup>1</sup>. The demand for aluminum extrusions in India was about 300,000 tons. The total capacity for aluminum extrusions in India is about 400,000 tons<sup>2</sup>. The industry is highly fragmented with over 60 manufacturers of aluminum extrusions.

Figure 1<sup>3</sup>:



<sup>1</sup> Source: Equity master

<sup>2</sup> Source: aluminum extrusion expo 2013

<sup>3</sup> Source; aluminum extrusion expo 2013

**Major Players:** Indian aluminum extrusion market is fragmented and comprised mostly of SMEs barring a few companies such as Century Extrusions, Jindal Aluminum and Galco group.

**Budget<sup>4</sup>:** For a 50 MT/ annum capacity the machinery cost would be around INR 50 – 60 Lakhs including erection charges.

#### **Report coverage**

1. Market analysis – (info on Potential user industries.)
2. Competitive landscape (Info on current market players in the target location)
3. Location analysis (with a view to source raw material and to reach market)
4. Raw material sourcing from various locations, suppliers, Quotes from suppliers
5. Approvals and Regulatory requirements
6. Competitive landscape and key product profiles
7. Machinery required / Quotes from suppliers
8. Advice on initial viable scale of business
9. Capital requirements, profitability
10. Profitability projections for the coming years

#### **Contact details**

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<sup>4</sup> Source: As per Aluminum Extrusion world, an extrusion machinery provider in Pune