

ALUMINIUM EXTRUSION DIVISION

Nilraj has started commercial production in Aluminium Extrusion division in Sept 2004 at Plant I.

Plant II is in much bigger space and has started production in August 2007.

This division exports to Europe, Singapore, Iran, Italy, New Zealand, Tehran, Brazil, Middle East. Over 80% of production goes for export.

This BVQI , ISO 9001-2000 certified company produces cans, which meet very tough specification, for worldwide market.

Aluminum can, to customer specification are only made. There is no standard size stock production.

We use cold extrusion, however for thick walled gas container, heat process is also used.

All Tool Development, Tool Making is in-house, powered by precision machine tools and highly skilled dedicated manpower.

The main Impact Extrusion Press is one of its kinds in this part of the World. It weights 125 Metric Ton and uses 200 KVA energy.

Very close tolerance of 0.05mm is possible. Being one piece extruded product means more strength.

Manufacturing Facilities

Metal extrusion division's manufacturing program includes all types of Metal Extrusion, Ferrous and Non Ferrous. Impact Extrusion like

Capacitors Cans, Aluminium Bottles, Perfume Bottles, Pesticides Containers.

Various sizes and shapes can be extruded in various thickness and lengths. Intricate shapes can be extruded. Special purpose products which can be extruded, are developed at customers' request.

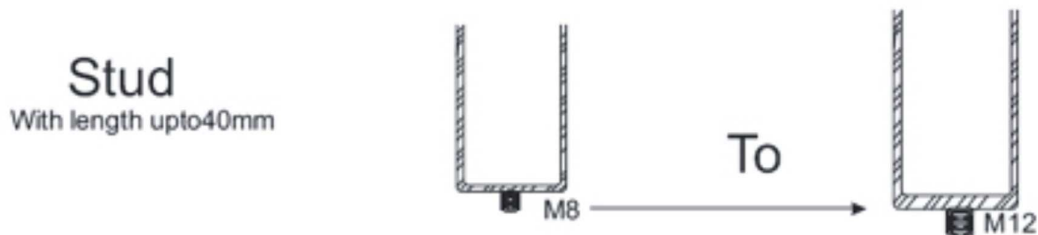
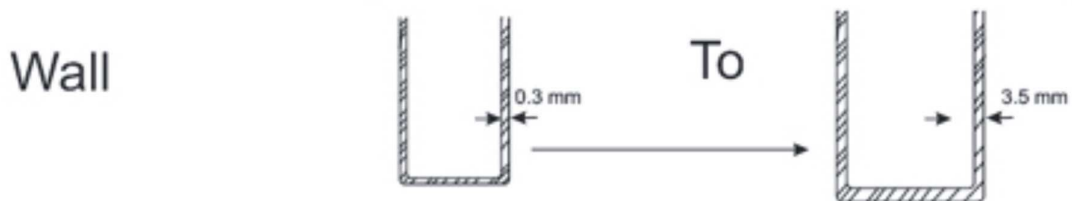
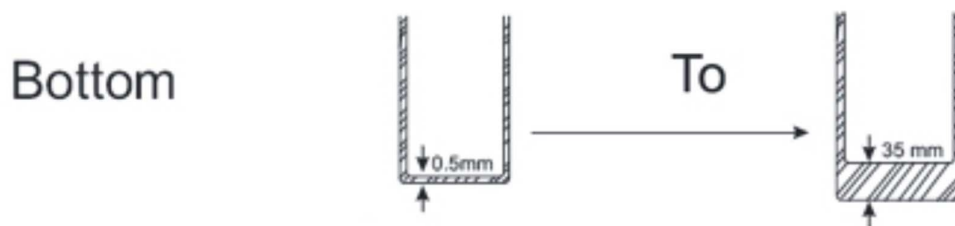
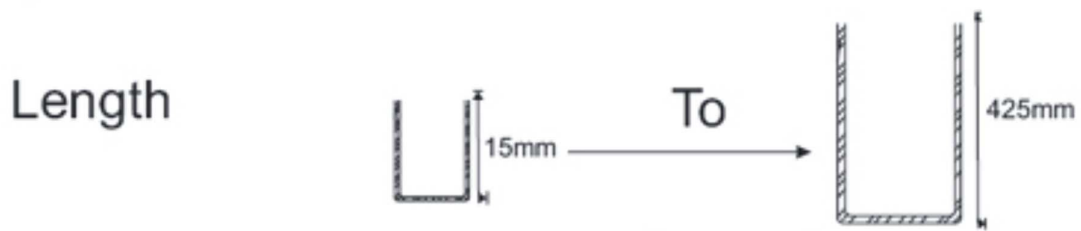
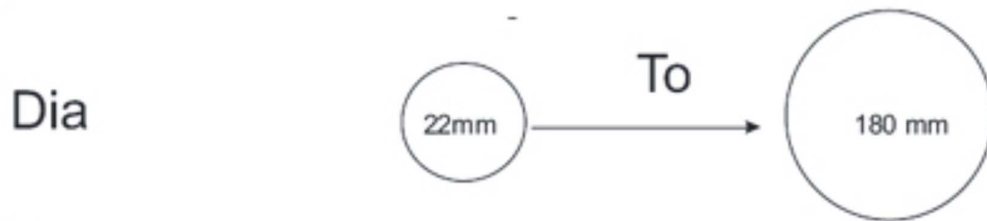
MACHINERIES INSTALLED

- 1600 Ton Impact Extrusion Press
- 600 Ton Impact Extrusion Press
- 400 Ton Impact Extrusion Presses
- 325 Ton Impact Extrusion Press
- 200 Ton Impact Extrusion Press
- Can Cutting Machines
- Threading Machines
- Can Flanging Machines
- Special Purpose Punching Machine
- Drying Ovens
- Cooling Tower, Heat Exchanger
- Washing Plant - For Bright Finish
- Washing Plant - For Matt Finish
- Automatic Solvent based cleaning and drying plant from Amalind Italy is installed.

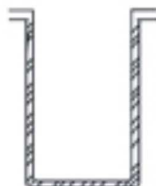
COMPLETE TOOL ROOM CONSISTING OF

- Workshop Lathe, Surface Grinder
- 1000 mm HMT Cylindrical Grinder
- High Precision Lathe Machines
- Rumbling, Drill Machine, Hacksaw Machine
- Die Polishing Machine, Grinders, Air Compressor
- Boiler, Chiller
- Bailing Press

Aluminium Extruded Product Range



Flange
Up to 4.0mm



Groove
Single or Double



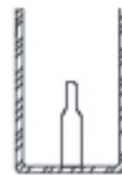
Vent
Any Type



Serration Inside
Any Type



Spigot
Up to 35mm



Rectangle Can



Oval Can



Product Range

Aluminium Capacitors Cans by Impact Extrusion process, one piece

Dia 27 to 180 mm - With or Without Flange
Length 15 to 425mm One Piece - With or Without Groove
Bottom Thickness 0.5 to 3.5 mm - With or Without Vent
Wall Thickness 0.3 to 3.5 mm - With or Without Ribs
With M8 or M12 Thread - With or Without Serration Inside

CAN MANUFACTURING CAPACITY per Day

Up to 35 mm Dia - 70,000 pcs
45 to 69 mm Dia - 2,00,000 pcs
75 to 90 mm Dia - 70,000 pcs
85 to 180 mm Dia - 7,000 pcs

WASHING

All cans are washed in Soda Ash to obtain matt finish on cans.
For Bright finish on cans they are washed in chemical. All cans are dried in oven.
Solvent based cleaning plant with automatic drying from Amalind Italy is installed.

DELIVERY PERIOD

Normally 2/3 weeks.

PACKING

Cans are packed in corrugated boxes. They are Palletized, Shrink Film Wrapped and then Fumigated.



Quality Assurance

Basic Raw Material are Chemically and Metrologically tested. Test Certificates from slug manufacturer are received from time to time who are ISO certified company.

Input Material in the factory are checked in our RM store for Dia, Weight, Thickness and other parameters.

After rumberling the RM, each piece is physically checked and defective slugs are removed, and then it goes to production press.

The start up production is thoroughly checked by our Quality Inspector and only after his approval commercial production is started.

Every half hour parameters like bottom and wall thickness are checked and recorded.

Similar quality checks in Cutting, Threading, Flanging and Washing is done and recorded.

After washing before packing, each single Can is finally inspected.

After packing, the date and inspection staff code number is marked on corrugated box. Quality Assurance seal is affixed on each inspected box on out side.



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