

DHANVANTI™

RECYCLE, IT'S YOUR FUTURE



NON-FERROUS METAL RECYCLING PLANT MANUFACTURER

"From Melting to Casting ,Turnkey Plants Built for Efficiency & Reliability"



Dhanvanti Engineering Pvt. Ltd. established in 2006 in Ahmedabad, Gujarat, has built a strong global reputation for delivering high-performance, energy-efficient aluminium Extrusion plants. With over a decade of engineering expertise, cutting-edge technology, and a dedicated team, the company transforms customer concepts into fully operational turnkey plants tailored to industry needs.

Core expertise : Aluminium and copper recycling plant engineered for precision, durability, and efficiency.

Key strengths : Turnkey project execution, custom-designed solutions, and a strong focus on energy efficiency to enhance operational performance.

Why Choose Us:

- Complete turnkey solutions from design to commissioning
- Skilled engineers & technicians for flawless execution
- Modern manufacturing facility in Ahmedabad
- Energy efficient, durable, low maintenance machinery
- Custom solutions tailored to your plant needs



ALUMINIUM ALLOY PLANT

Aluminium Melting Tilting Rotary Furnace

Aluminium Melting cum Holding Skelner Tilting Furnace

Aluminium Ingot Casting Conveyor





ALUMINIUM DEOX PLANT

Aluminium Melting Tilting Rotary Furnace

Aluminium Melting cum Holding Skelner Tilting Furnace

Aluminium Cube Casting Conveyor





ALUMINIUM EXTRUSION PLANT

Aluminium Melting Tilting Rotary Furnace

Aluminium Melting cum Holding Skelner Tilting Furnace

Aluminium Billet Casting Hot Top Table





ALUMINIUM WIRE PLANT

Aluminium Melting Tilting Rotary Furnace

Aluminium Melting cum Holding Skelner Tilting Furnace

Aluminium Wire Rod Coiling Machine





COPPER RECYCLING PLANT

Copper Melting Tilting Rotary Furnace

Copper Melting Super D Furnace

Copper Anode Casting Round Wheel





DROSS PROCESSING PLANT

Hot Dross Separating Machine

Hot Dross Cooling Machine

Dross Processing Pulverizer

Vibrating Screening Machine





Scrap Sorting Plant

Scrap Dust Removing Ball Mill

Scrap Washing Shaking Table

Scrap Segregating Trommel Screen

Scrap Decoating Machine





Aluminium Melting **Tilting Rotary Furnace**

“Melt Faster, Work Smarter!”

Capacity : 5, 8 & 10 Ton

- High efficiency tilting rotary design
- Uniform heating & precise temperature control
- Durable, low maintenance refractory lining
- Energy efficient operation

Why It Matters:

- Faster cycles, lower energy costs
- Consistent alloy quality
- Reliable, long lasting performance





Aluminium Melting cum Holding **Skelner Tilting Furnace**

“Melting & Holding, All in One”

- Integrated melting & holding system
- Skelner ensures optimal metal flow
- Precise temperature management
- Heavy duty, long life construction

Benefits:

- Reduced handling & improved efficiency
- Stable metal temperature for casting
- Low-maintenance, dependable operation

Capacity : 5 to 25 Ton





Aluminium Melting **Rotary Furnace**

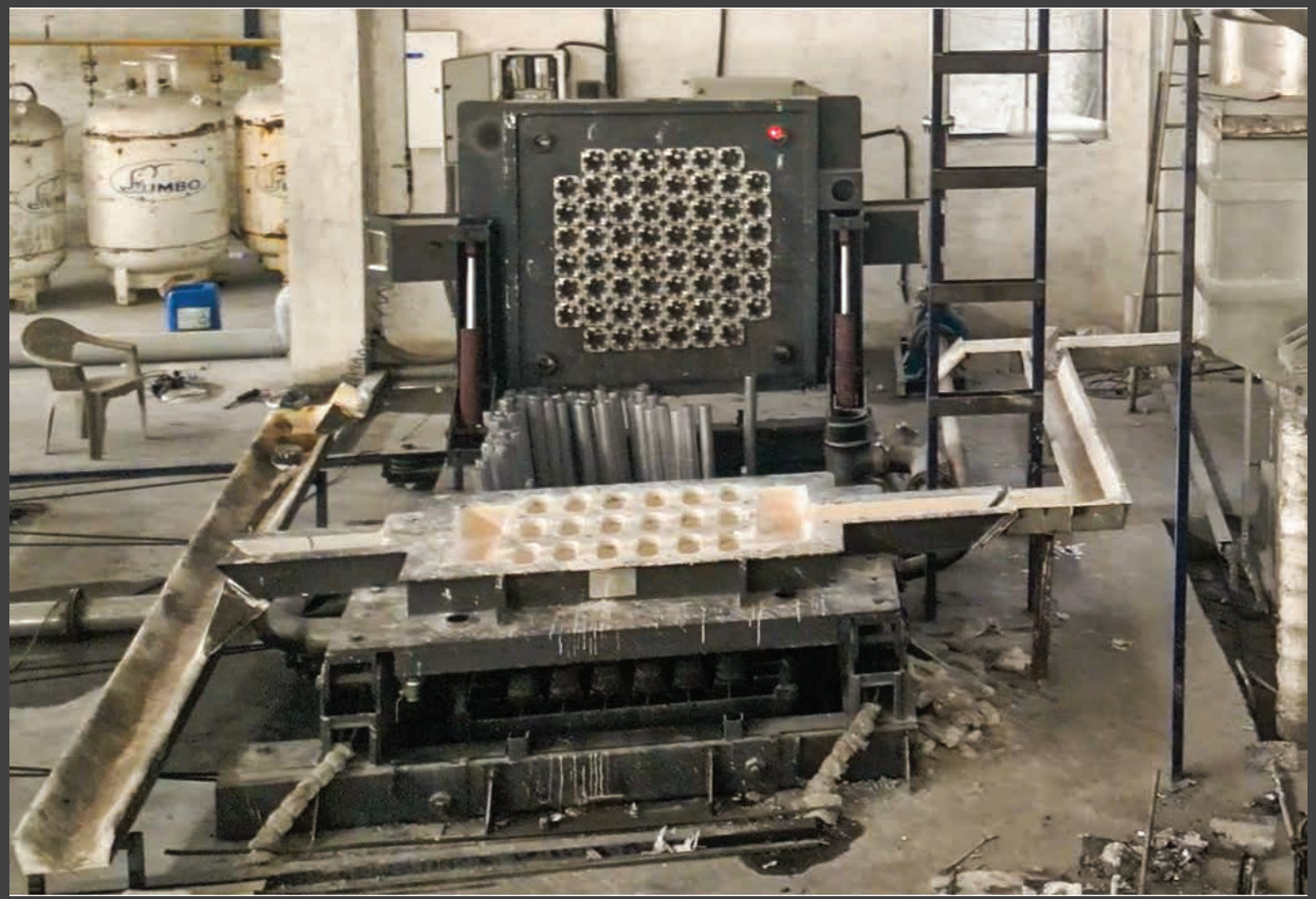
“Efficient Melting, Maximum Recovery.”

- Uniform and efficient aluminium melting
- Robust, high-temperature resistant construction
- Fuel-efficient operation with precise temperature control
- Suitable for various aluminium scraps and alloys

Benefits:

- Higher metal recovery and improved yield
- Reduced fuel consumption and operating cost
- Consistent melt quality





Aluminium Billet Casting **Hot Top Table**

“Perfect Billets Every Time” **Size : 4, 5 & 6 Inch Diameter**

- Automatic billet casting system
- Uniform cooling & solidification
- Adjustable for different sizes
- Defect-free, high quality output

Benefits:

- Superior surface finish
- Optimized extrusion performance
- Less scrap, more productivity





Aluminium **Ingot Casting Conveyor**

“Smooth Casting, Consistent Quality!”

- Continuous and uniform ingot casting process
- Robust, heat-resistant conveyor construction
- Smooth operation with low maintenance
- Adjustable speed for different ingot sizes and production rates

Benefits:

- Consistent ingot shape and quality
- Improved production efficiency
- Reduced manual handling and labour

Aluminium **Cube Casting Conveyor**

“Precision Casting, Efficient Output!”

- Accurate and uniform aluminium cube casting
- Heat-resistant, robust conveyor structure
- Smooth, continuous operation with low maintenance
- Adjustable speed for different cube sizes

Benefits:

- Consistent cube quality and dimensions
- Higher productivity and efficient material handling
- Reduced aluminium spillage and loss





Aluminium **Hot Dross Cooler**

“Cool, Safe, Ready for Recycling.”

- Fast cooling of hot dross
- Controlled water cooling system
- Corrosion resistant, durable design
- Simple, safe operation

Benefits:

- Minimizes thermal hazards
- Prepares dross for recycling or disposal
- Enhances plant safety & efficiency





Aluminium **Hot Dross Separator**

“Clean Metal, Minimal Waste.”

- Efficient dross & slag separation
- High temperature resistant
- Simple operation & maintenance
- Adjustable for various alloys

Benefits:

- Improved metal quality & yield
- Reduced aluminium loss
- Safer handling of hot dross

Aluminium Dross Processing **Pulverizer**

“Fine Output, Maximum Efficiency.”

- Efficient material grinding and size reduction
- Robust construction for high-temperature operation
- Simple operation and low maintenance
- Adjustable settings for various materials

Benefits:

- Improved product consistency and quality
- Reduced material loss
- Safer and more reliable operation



Export to 20+ Countries



Exhibition



Our Clientele

International



Aluminium Recycling



Aluminium Extrusion



Copper Recycling





Awards & Certificates





DHANVANTI™

RECYCLE, IT'S YOUR FUTURE

“Let’s Build Your **Metal Recycling** Future Together”

Dhanvanti Engineering provides **Turnkey Plants** with **high-efficiency durable, and custom solutions** to meet your production goals.

Reach out today and elevate your **Recycling** process.

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