



 **VIG** METAL

About Us



VIG Metal has been established for the production of sheets and coils of the lightest metals, aluminium and magnesium, in 2006 in the Industrial Zone - Kütahya/Turkey. It has started its operations with the production of the world's first 1500mm wide magnesium sheets with a twin roll continuous casting machine in 2008 (an annual capacity of 5000 mton/year). Still VIG Metal Magnesium division continues its R&D studies on cost effective production methods and surface quality improvements in magnesium sheets. In 2010, VIG Metal magnesium division has started to produce components for self-defense industry in gravity magnesium sand casting system.

VIG Metal Aluminium division has started its operations with its continuous caster and cold rolling mill with an annual production capacity of 12.000 ton/year in 2012. With the installation of new equipments our capacity will increase up to 36.000 mton/year in 2019. VIG Metal Aluminium division serves for stockholders, automotive, energy, household goods and construction sectors.



Vision, Mission & Values

Our Mission;
To create value for our stakeholders;
To become a preferred supplier by offering the best harmony of quality, on time delivery , innovation and fair costing to our customers
Creating a modern and safety work environment with high technology that our employees will be proud of.
With our sustainable business management, we strive to achieve operational excellence at every stage of our operations and to increase the reliability of our brand.

Our Vision; In 2023;

To become a worldwide brand through the environmentally friendly and innovative products, by increasing the growth national and international market.

OUR MAIN POLICIES (Quality Policy)

Quality Management; our customers are committed to continuously improve and improve our quality standard within the requirements of ISO 9001 Quality Management System in order to develop Aluminium alloy sheet production and magnesium alloy development and the products they demand.

Customer relations management; To increase customer satisfaction and loyalty by managing all phases of our marketing and sales organization and after-sales service activities in aluminium alloy sheet production and magnesium alloys development and casting sector as customer centered.

Market management; To increase our current market share in domestic and foreign markets, to develop new projects and jobs in order to enter new markets.

Profit management; Managing financial resources effectively and efficiently, allocating resources for investment and making rational and profitable investments.

Management of systems; To establish and manage management systems which will allow us to receive successful results on targeted corporate indicators with a preventive approach that will completely, rapidly and economically meet the needs of all our stakeholders.

Supply Management; To establish mutually beneficial relationships based on trust, knowledge sharing and integration with the goods and services we provide, to improve our ability to create value, to create synergy in terms of resources and costs by acquiring competitive advantage through continuous relationships

Human resources and Isag management; Establishment of a performance-based human resources management system in order to transform our targets and strategies into team targets and to reach the employees ' targets. By taking precautions, continuously monitor and improve the health and safety of our employees.

Environmental Management; Increasing compliance with national and/or international laws, regulations and regulations by applying the requirements of ISO 14001 environmental management system standard, making continuous improvements with planned measurement and monitoring and reducing the damages to the environment and to the people.

Information security management; The objective of our ISO 27001 Information Security Management System (BGYS) policy is to determine the minimum requirements for ensuring the security of information systems within VIG metal.

Our Goals;

- ▶ Securing the security of all kinds of data being shared in information systems,
- ▶ Ensuring business continuity and minimizing legal risks resulting from security breaches,
- ▶ To protect the reputation and investment of the organization,
- ▶ Policies explain the rules to be followed when designing or operating information systems.

Energy Management;

We accept and commit to;

- ▶ Manage the energy activities by using the existing energy resources in a most efficient way,
- ▶ Provide the necessary resources for the improvement of energy efficiency awareness by following new technologies to increase energy efficiency.
- ▶ Comply with local and international legislation on the topic of energy efficiency,
- ▶ Be aware of the energy efficiency through the purchase of products and services, new investments and designs and through all our energy process,
- ▶ Use the energy efficiently and take the saving precaution,
- ▶ Allocate the budget for increase the energy efficiency.

Products



Aluminium Coil

Alloy	1xxx, 3003, 3005, 3105, 5005
Temper	O, H1X, H2X
Thickness	0,1 mm - 4 mm
Width	upto 1500 mm
Coil O.D	Max. 1800 mm
Coil I.D	150 mm - 508 mm
CoilWeight	Max. 9500 kg

Packing

The coils are carefully packed against damages of storage and transportation. Packing types can be eye to side or eye to sky according to the customer request. Cardboard core is standard in packing for coils equal/more than 1 ton. PVC coating is possible.



Aluminium Strip

Alloy	1xxx, 3003, 3005, 3105, 5005
Temper	O, H1X, H2X
Thickness	0,4 mm - 2 mm
Width	Min. 100 mm
Coil O.D	Mak. 1500 mm
Coil I.D	508 mm

Packing

The coils are carefully packed against damages of storage and transportation. Packing types can be eye to side or eye to sky according to the customer request. Cardboard core is standard in packing for coils equal/more than 1 ton. PVC coating is possible.



Aluminium Narrow Strip

Alloy	1xxx, 3003, 3005, 3105, 5005
Temper	O, H1X, H2X
Thickness	0,1 mm - 0.4 mm
Width	Min. 20 mm
Coil O.D	Mak. 1500 mm
Coil I.D	150 mm - 508 mm

Packing

The strips are carefully packaged against damages of storage and transportation. Packing types are eye to side or eye to sky, according to request. Cardboard core and cardboard, hardboard and wooden separator is applicable between two strips.



VIG Products

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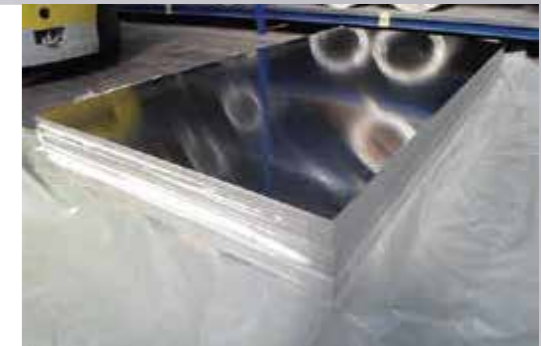


Aluminium Sheet

Alloy	1xxx, 3003, 3005, 3105, 5005
Temper	O, H1x, H2x
Thickness	0.2 mm - 4 mm
Width	500mm - 1500mm
Length	750mm - 4000mm
Palletweight	1 ton

Packing

The sheets are carefully packaged against damages of storage and transportation. Paper interleaving between the sheet layers is standard. Euro pallet is standard but wooden box is also applicable. According to customer request PVC coating is possible.



Stucco Embossed Coil/Sheet

Alloy	1xxx, 3003, 3005, 3105, 5005
Temper	O, H1x, H2x
Coil thicknes	0.2 mm - 2 mm
Sheet thicknes	0.5 mm - 2 mm

Packing

The coils and sheets are carefully packaged against damages of storage and transportation. Packing types are eye to side or eye to sky according to customer request. Cardboard core is standard in packing for coils equal/more than 1 ton.



Tread Plate

Alloy	1050
Temper	H18, H244
Thickness	1 mm - 3 mm
Bar Height	1 mm

Packing

The sheets are carefully packaged against damages of storage and transportation. Europallet is standard.



Distributor

Product Range

Alloys: 1050 / 3005 / 5005

Temper: H14 / H24

For Measurements

- ▶ Mill Finish
- ▶ Stucco embossed
- ▶ PVC Coating (optional)
- ▶ Tread Plates (5bars)
- ▶ Paper Interleaved Sheets (standart application)
- ▶ Paper Interleaved Coils (optional)



VIG Metal has three continuous caster. These lines can produce **1xxx, 3xxx and 5005** series aluminium.

The capacity of those three continuous caster is **36.000 tons/year**. Thickness of the products are controlled automatically through the casting process.



Sheet



Tread Plate



Coil



Stucco Embossed

Household Goods

Product Range

Alloy: 1050 / 3003

Temper: H14 / H24 / H18 / H00

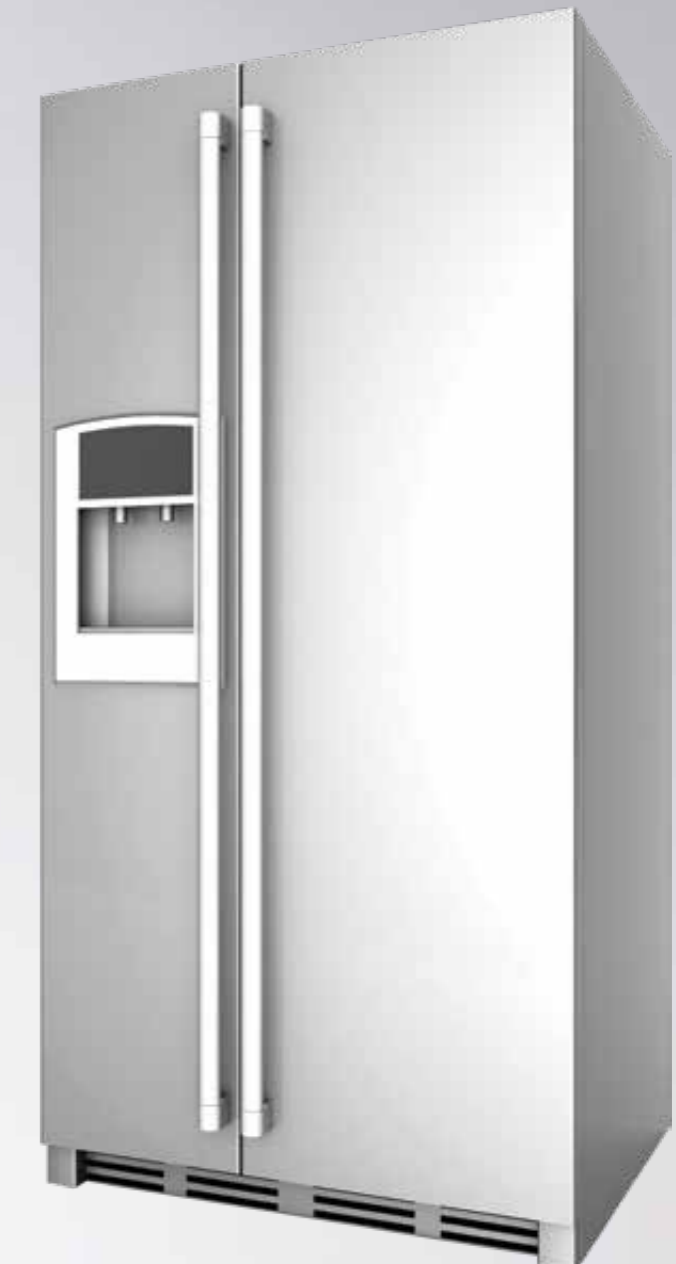
Usage Area

- ▶ Evaporator
- ▶ Condenser
- ▶ Air Filter

Why Aluminium?

- ▶ The lightness / durability
- ▶ Excellent heat transfer
- ▶ Design Flexibility
- ▶ Corrosion Resistance

VIG Metal has one cold rolling machine. The capacity of this machine is **54.000 tons / year.** The maximum width of our products with our cold rolling mills is **1500 mm.** Coils are produced with **automatic flatness and thickness control systems.**





There are four annealing furnaces in our facility. Those four annealing furnaces has **atmospheric controlled system.**

Automotive

Product Range

Alloy : 1050 3003 3005
Temper : H12 H14 H16
H000/H111

Usage Area

- ▶ Heat Shield
- ▶ Licence Plates
- ▶ Truck / Bus Stairs
- ▶ Tailboard

Why Aluminium?

- ▶ Lightness
- ▶ Durability
- ▶ Design Flexibility
- ▶ Corrosion Resistance



TR 06 HBT 11

TR 16 NOG 95



Materials which are between **0.10 mm-2.5 mm** thicknesses are purified from the remaining particals from **the rolling process such as oil and dust**. The material is tension levelled in this line to gain the ideal flatness. Stucco embossed pattern is also applied in this process.

Energy

Product Range

Alloy: 1050 1060
1070 1350
Temper : H00 H12 H22
H14 H24 H26

Usega Area

- ▶ Transformer
- ▶ Solar Collector

Why Aluminium?

- ▶ The lightness and durability
- ▶ Design Flexibility
- ▶ Corrosion Resistance
- ▶ Excellent heat transfer
- ▶ Conductivity
- ▶ Half round edge application (optional)
- ▶ Paper Interleaved Coils (optional)





Construction

Product Range

Alloy : 1050 3003 3005 3105 5005

Temper : H00 H12 H14 H16 H18
H22 H24 H26

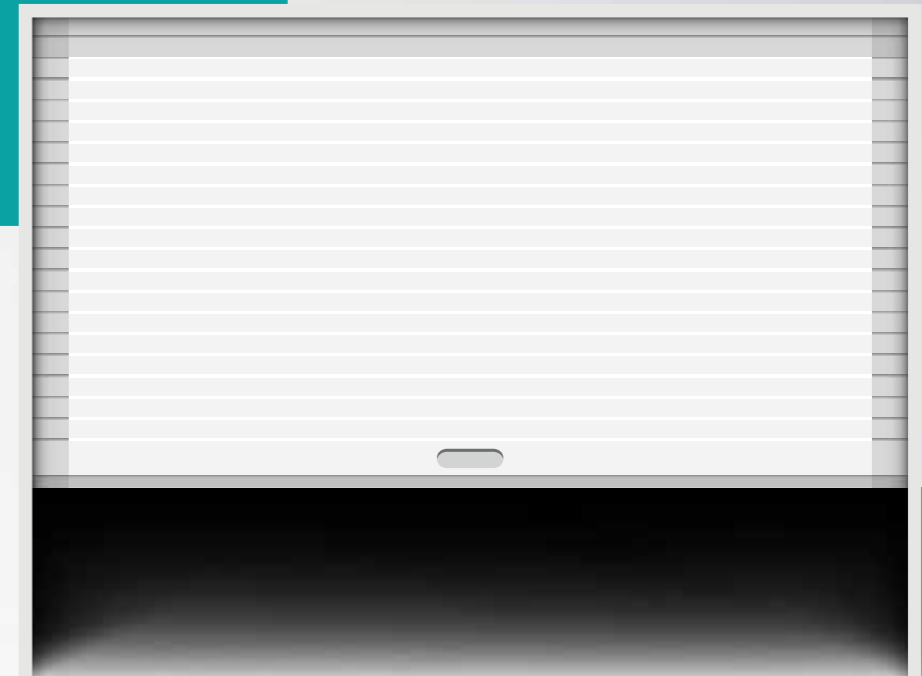
Why Aluminium?

- ▶ Lightness
- ▶ Durability
- ▶ Design Flexibility
- ▶ Long Lasting
- ▶ Corrosion Resistance
- ▶ Decorative appearance

Usage Area

- ▶ Clamped Roof
- ▶ Trapezoid
- ▶ Window Spacer
- ▶ Door Applications
- ▶ Composite Panel
- ▶ Suspended Ceiling
- ▶ Sandwich Panel
- ▶ Roller shutters

There are three slitting lines in our facility. Coils from **100 mm up to 1500 mm** wide can be slitted in this line. Pvc coating is also applied in the slitting process.



Construction

Product Range

Alloy : 1050 3003 3005 3105 5005

Temper : H00 H12 H14 H16
H18 H22 H24 H26 H28

Why Aluminium?

- ▶ Lightness
- ▶ Durability
- ▶ Decorative appearance
- ▶ Design Flexibility
- ▶ Corrosion Resistance
- ▶ Long Lasting

Usage Area

- ▶ Clamped Roof
- ▶ Trapezoid
- ▶ Window Spacer
- ▶ Door Applications
- ▶ Composite Panel
- ▶ Suspended Ceiling
- ▶ Sandwich Panel
- ▶ Roller shutters



There is **one cut to length line** in our facility. Sheets from **500 mm up to 4000 mm length** can be produced in this line





R&D

In our lab; **tensile test (sheet and cylindrical sample), hardness test (Vickers and Brinell), evaluation of chemical composition for aluminium and magnesium** alloys is applicable.

- ▶ INSTRON 3369 Tensile Test Device (50 kN)
- ▶ INSTRON 3344 Tensile Test Device (2 kN)
- ▶ EMCOTEST DURASCAN Hardness Device (HV)
- ▶ EMCOTEST UNIVERSAL Hardness Device (HBV)
- ▶ Spectromaxx Chemical Analysis Device
- ▶ PROTHERM PLF 110/45 Heating and Drying Oven
- ▶ Nikon Optical Microscope (up to 1000x)
- ▶ FISCHER SIGMASCOPE SMP 10-HF Electrical Conductivity Device
- ▶ NORMALAB NDI450 Distillation Device

Devices in our lab

Sample Preparing Device;

- ▶ Struers Labotom Cutt-off Machine
- ▶ Struers CitoPress Hot Mounting Press
- ▶ *Struers TegraPol-11 Automatic Grinding/Polishing Machine*
- ▶ *Struers LectroPol-5 Electrical Etching -Polishing Device*

VIGMETAL

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