

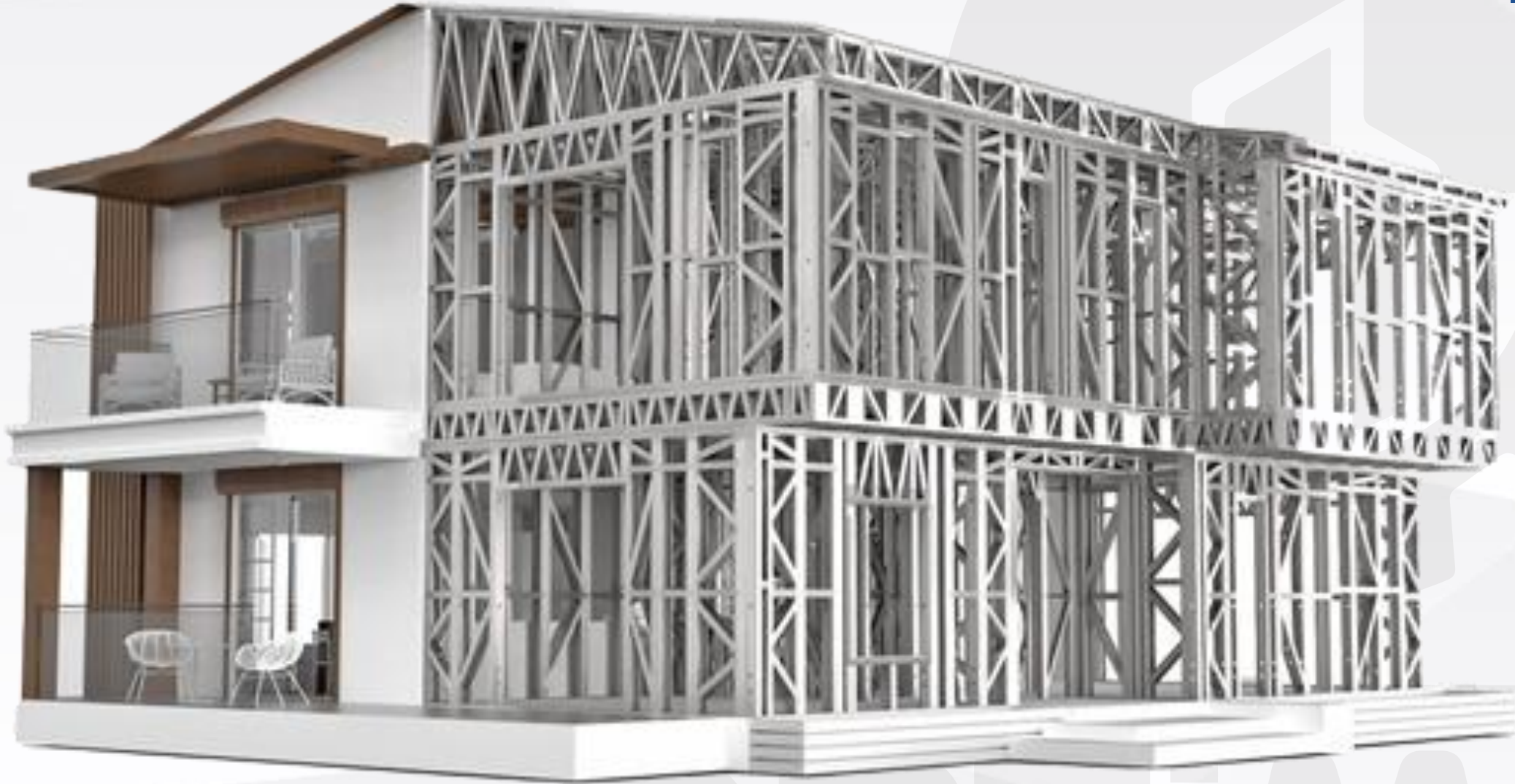


OPTiMAL GROUP

**“WE ARE BUILDING A
SAFE FUTURE”**

www.optimalgroup.com.tr

'THE FUTURE IS IN LIGHT STEEL STRUCTURES'



Become a Part of the Growing Light Steel Structure Market in the World with **OPTIMAL GROUP!**

The world market projection of light gauge steel structures shows a continuous growth in recent years. This increase is supported by the advantages of light steel such as fast construction process, high durability and environmental sustainability. Especially developing cities and rapidly growing construction sectors increase the use of light steel in building projects. In addition, its energy efficiency and its acceptance as a recyclable material contribute to light steel structures having a larger market share globally. This trend is expected to continue in the coming years.

GLOBAL LIGHT STEEL CONSTRUCTION MARKET

Light Steel Structure Market is Growing!

The rapid growth of the global light gauge steel construction market signals an important trend for the modern construction industry. Light gauge steel is increasingly favoured for its advantages such as fast construction process, high durability and environmental sustainability. Growing cities and increasing construction demands are increasing the use of light gauge steel, while the material's energy efficiency and recyclability contribute to the expansion of the market.

With OPTIMAL GROUP
*Don't stay away from the World
Market!*



OPTIMAL GROUP:

Leadership in the Subtleties of Metal

UNBAK ROLLFORMING MACHINERY

In light steel production by using the superior technology of the machines produced by Unbak Rollforming Machinery; We aim to be a leading brand in the sector and a preferred brand in the global market by offering high quality, durable and environmentally friendly products to our customers with innovative and sustainable solutions. By closely following technological developments, we aim to continuously improve our production processes and become the most efficient and reliable supplier in the sector.

SUPERIOR TECHNOLOGY WITH HIGH PRECISION AND QUALITY STANDARDS

With ICARUS IC 2500SA Light Steel Panel System, we have important machines with three different size bases in 60-90-100-140-150 mm. These machines are specially designed for the production of light steel structural elements up to 1.6 mm thickness. These machines with advanced technology operate in accordance with high precision and quality standards and provide reliable and durable products to our customers.



OPTIMAL GROUP:

Leadership in the Subtleties of Metal

In addition, Optimal Group works with a team specialised in heavy steel and light steel works. With our machines that perform above industry standards and our experienced staff, we constantly strive to provide the best service to our customers.

As Optimal Group, we strive to provide solutions tailored to the needs of our customers and to deliver the highest quality products on time. We will continue to maintain our leadership in the sector by adhering to our principles of customer satisfaction and reliability.

As Optimal Group family, we are determined to provide the best service to our customers.



Havşalı vida yuvası / Dimple



Uç Yuvarlama/ Truss End – Chamfer End



Tesisat Deliği / Service Hol



Kulak Kesme / Lip Notch



Kesit Daraltma / Swage



Taban Boşaltma / Web Notch

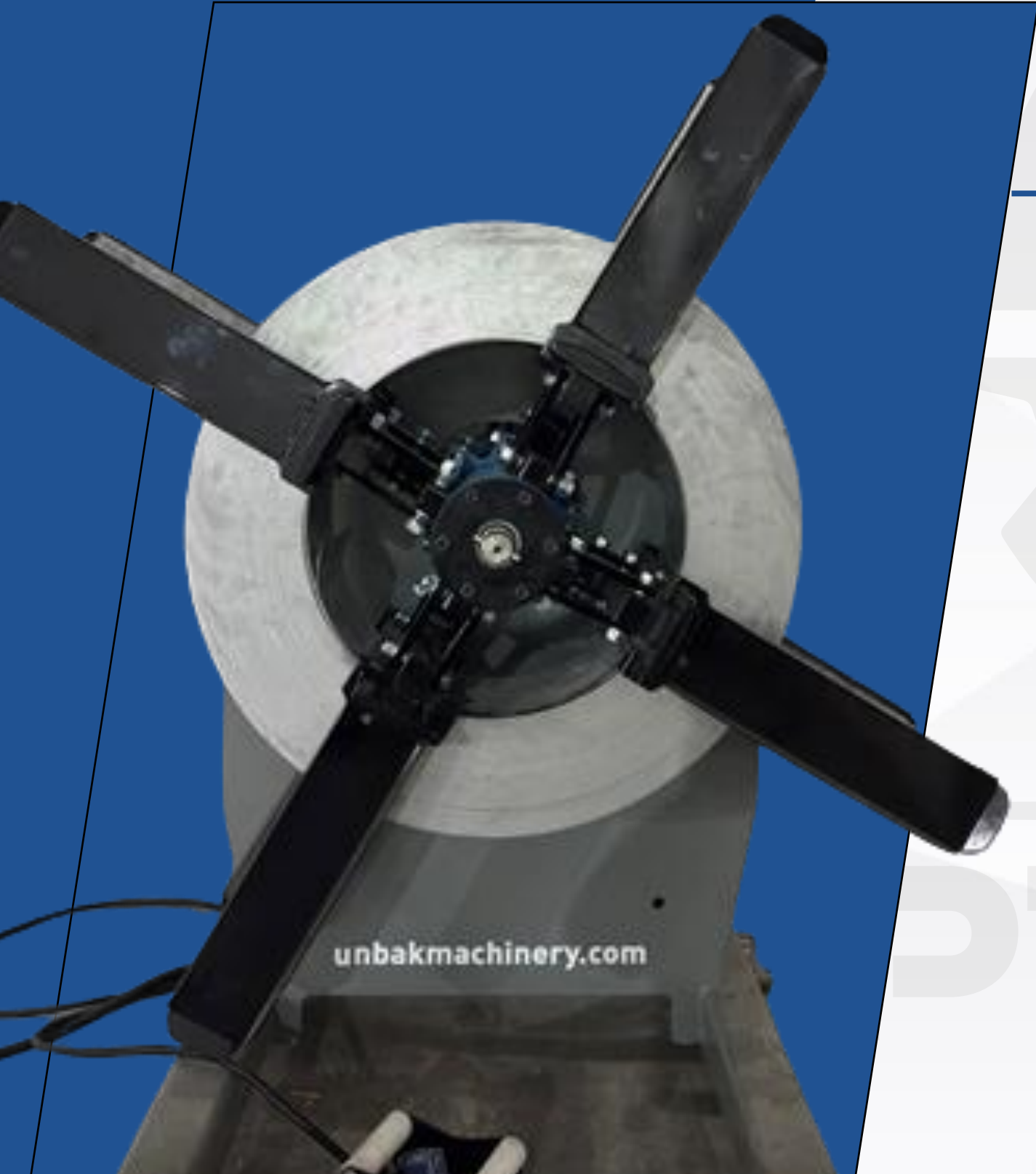
By working with us,

**DISCOVER THE STRENGTH
AND FLEXIBILITY OF METAL!**





PROFESSIONAL LIGHT STEEL MACHIN



- OPTIMAL GROUP is a leader in industrial solutions for light steel processing. Light steel construction technology is a system in which structural elements are produced from galvanised steel by cold forming method and has an important place in the modern construction industry.
- OPTIMAL GROUP offers customised and high quality solutions to its customers with its expertise and experience in this field.
- Light steel structures require a modern construction process in which the structural design is computer-aided and shaped on specially designed robot lines. Optimal GROUP's state-of-the-art equipment manages this process with precision and ensures results that meet customers' expectations.

ADVANTAGES OF LIGHT STEEL STRUCTURES;

Become a Part of the Growing Light Steel Structure Market in the World with OPTIMAL GROUP!

→ Light gauge steel refers to cold-formed steel products generally used for structural, non-structural and finishing applications in construction. The reasons for choosing light gauge steel over other construction materials are suitable for a variety of applications.

POWER-TO-WEIGHT RATIO:

Mild steel offers an impressive strength-to-weight ratio, making it a robust yet lightweight material suitable for a variety of construction applications.

DURABILITY:

Steel is resistant to many common problems that affect other building materials. It will not rot, warp or become infested by pests such as termites. With appropriate protective coatings, it can also be resistant to rust and corrosion.

CONSTRUCTION SPEED:

Mild steel components can be prefabricated off-site, which allows for rapid assembly on site. This not only speeds up project completion, but also ensures precision and reduces labour costs.

DESIGN FLEXIBILITY:

The easy formability of steel allows for a wide range of architectural designs. Whether it is complex detailing or large open spaces, light steel can fulfil a variety of architectural visions.

SUSTAINABILITY:

Steel is 100% recyclable, making it an environmentally friendly option. When a building is demolished, the steel components can be reused or recycled, reducing the environmental impact.

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CONSISTENCY AND PREDICTABILITY:

Steel production is highly controlled, which ensures that the structural properties of mild steel are consistent. This predictability is critical to the safety and reliability of steel structures. is important.

FIRE RESISTANCE

Steel is non-combustible, which makes structures more resistant to fire. When combined with fire-resistant materials, light steel structures can achieve significant fire resistance ratings.

SEISMIC PERFORMANCE

Light steel structures have shown excellent performance during seismic events. Their flexibility and strength make them resistant to earthquakes, especially when designed with seismic considerations.

THERMAL EFFICIENCY:

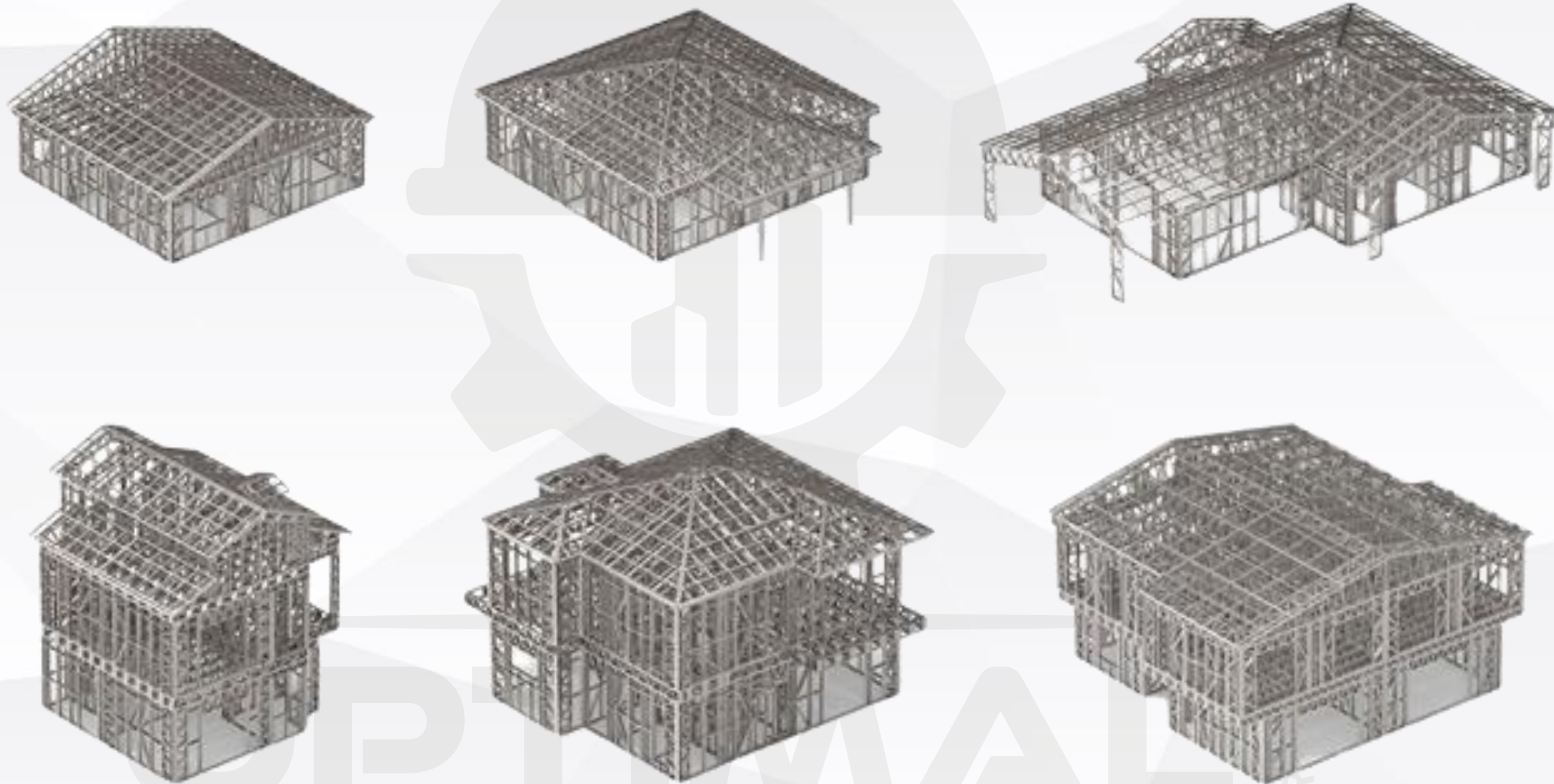
When combined with appropriate insulation, light gauge steel framing can provide excellent thermal performance, leading to energy savings.

COST EFFICIENCY:

The speed of construction, reduced labour costs and minimal waste associated with mild steel can lead to cost savings. In addition, its durability reduces maintenance costs over the life of the structure.

FLEXIBLE STRUCTURE VARIATIONS

Easy and Unlimited with Light Steel Structure Machines!



LET'S TURN YOUR DESIGNS INTO REALITY WITH OPTIMAL GROUP..



ERZİNCAN

150 ADET

Toki Deprem Konutları



BİNGÖL

3 ADET

Tarım Kredi Kooperatif Binaları










YAPI İNŞ. VE SAN. TİC. A.Ş.



www.optimalgroup.com.tr

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