



**COSMOKOMPOZIT**

**Smart manufacturing  
Advanced materials  
Successful results  
A-class supplier**

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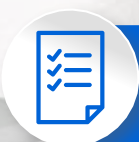
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# Team Qualifications

**2004**

We have developed composite bathroom furniture products pushing the boundaries of design for Eczacıbaşı and Vitra.

**2007**

We have produced composite parts in electric industry and induction applications for Siemens, Inductotherm and ABB.

**2019**

**AUTOMOTIVE BATHROOM FURNITURE RAILWAYS ELECTRIC ESTABLISHMENT**

The founders of our company has conducted projects producing composites for TEMSA, Toyota, Hyundai Assan, Isuzu and Honda.

**2006**

Our founders manufactured composite materials in global and massive rail system projects for Bombardier Transportation and Istanbul Transportation AS.

**2012**

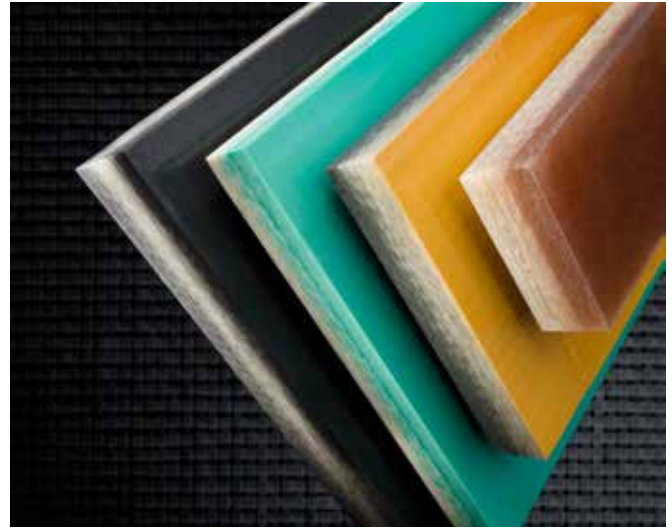
As a dynamic company with a swift success, we become a composite manufacturer specializing in electrical technologies and induction furnaces.



**COSMOKOMPOZİT**

**Cosmo Kompozit** manufactures strong, lightweight, and durable materials for complex applications of challenging industries.

In addition to glass fiber and polyester, we can combine all industry standard reinforcements materials and architectures with practically any resin. Our cutting-edge pultrusion line and CNC machines are ready to mass production for special applications.



**Cosmo Kompozit**, which was founded in 2019 by a staff with 20 years of manufacturing and innovation experience in the sector, has quickly become a company conducting giant projects. Right after our launch, we ranked among the market leaders in the major industries from electric & energy to railway. On the pillars of solid business ethics and technical expertise, **Cosmo Kompozit** supplies composite material products to the top manufacturing brands around the world.

**Cosmo Kompozit**, thanks to its team of pioneering experts, offers high quality **FRP** products and engineering solutions ranging from manufacturing to end use. Our company's main goal is to meet the requirements and demands of industry looking for impactful and innovative products. It provides uninterrupted assistance to its customers and partners for this goal.

**Cosmo Kompozit** today proceeds with;

- 1600 m<sup>2</sup> indoor space,
  - 12 employees,
  - State-of-the-art machinery,
  - Engineering, design, and innovation capabilities,
  - Manufacturing and management processes in compliance with quality standards,
- with the vision of implementing innovative, environmentally conscious, and unique projects and developing products that make a difference all by its expertise.



**Cosmo Kompozit** has been a trusted manufacturer and strategic solution partner in the composite materials industry by combining its technology vision with its competitiveness in local and international markets.



# Electric and Energy Industry Products

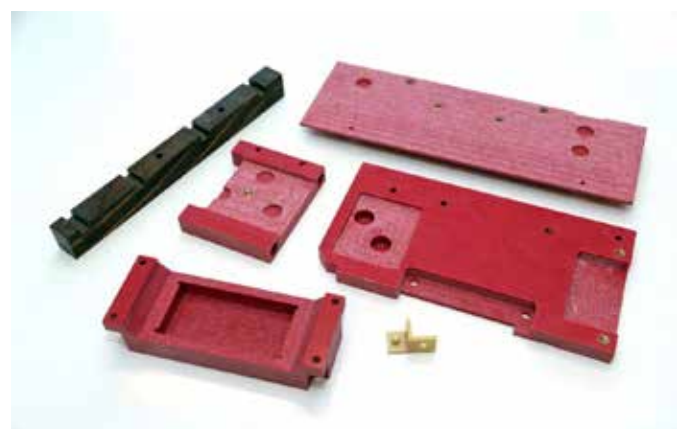
We conceal the material expertise with simplicity and put it at the service of the electrical industries.

We produce high performance insulators made of UPGM (Unsaturated Polyester Glass Mat) or single/multi-axis glass fiber reinforcement materials that are used in critical applications of electrical engineering.

- Grippers
- Post Insulators
- Bar Bearers
- On-board Insulators
- Ventilation Grilles
- Switch Key Wedges
- Flame Retardant UPGM203 Products



Our pultrusion line is ready for production in your profile applications for any cross section you may need.



Moreover, we have unlimited design potential thanks to the parts machined in our CNC.



# Induction Furnace Components

Our composites help melting metals at temperatures of thousands of degrees.

We produce supports and parts for induction furnace resistance coils from special composite materials:

- Fiber Wedges/Supports
- Angle Brackets
- Bearer Insulators

The main materials we use in manufacturing are:

- **G-10**: Heat-resistant glass fiber reinforced epoxy sheet for electrical applications
- **GPO-3**: Glass reinforced unsaturated polyester sheet widely used as an electrical insulator by its excellent mechanical, thermal, and electrical properties (arc resistance, etc.)

We cut costs by using polyester instead of epoxy.

We are among the key suppliers of leading companies in the induction machinery industry:

- Inductotherm
- 5M İndüksiyon Sistemleri
- İndemak İndüksiyon Makinaları
- İCS İndüksiyon ve Kontrol Sistemleri
- Adilbeyođlu İnşaat
- Özmert İnşaat (Cezayir Fabrikası)



Induction furnace coil supports are made of unique glass fiber composites.



# Rail Systems and Railway Transportation

We deliver the finest quality composites to an industry controlled by the strictest standards.

Railway and rail systems are among the sectors with the highest composite standards. With performance and passenger safety in mind, quality is kept tighter than even automotive. In 2007, beating many local and international competitors, we exported hundreds of parts, becoming the first Turkish supplier of Bombardier Transportation, the world's largest rail transportation manufacturer.

We can manufacture diverse types of rail systems parts, including the drive area. Composite technologies we use for railways and light rail vehicles like metro:

- In compliance with EN 45545-2 (DIN 5550 previously), one of the strictest fire safety standards
- Isophthalic polyester with halogen-free flame retardant additive
- Glass fiber reinforcement
- Hand lay-up fabrication
- The water-borne anti-graffiti coating enables that illegal drawing by vandalism can be easily cleaned by wiping
- Water-borne nontoxic paints
- Special materials and manufacturing processes are available regarding customer demand



Fast and efficient trains; cozy and comfortable, requires little maintenance, wagons that do not burn and surfaces that cannot be scratched... All thanks to our composite products.

# Capabilities



Composites can also be elegant. We fabricated a modular bathroom cabinet using Light Resin Transfer Molding for the collaboration of renowned designer Ross Lovegrove and Vitra. We successfully dealt with the production of the complex organic design with moving parts.



Our composites protect workers from occupational hazards. Polisan Poliport asked us to renovate their outdated concrete covers which were weathered by coastal climate and heavier than the safety regulations. So, we designed and fabricated lightweight, durable fiberglass gratings with nonslip surface.



Our composites are also used in the automotive industry. We produced modular “hardtop” canopy for Isuzu D-Max Pickup. After Resin-Transferred Molding (RTM) with glass mat lamination we applied high-quality surface finish. So, the cargo bed can be easily modified.

Composite monument sculptures, recreational equipment, and infrastructure components that we produce for parks, gardens, and outdoor environments adorn many cities, especially Istanbul.





## Machine Park

### Pultrusion Line

Length: 27 m

Width: 1.25 m

Hydraulic system

### Composites Presses

4 cold/hot

### CNC Router Machine

3 servomotors

### Cutting Machine

Emme Duo

### Solidworks

Computer-aided engineering

## Quality Principles

Our **ISO 9001:2015** quality system assures customer requirements and satisfaction through the purchase order, the product delivery, and up until the end of the warranty period. We adopt the principle of continuous perfection to improve efficiency and quality.

Per our **ISO 45001:2018** and **ISO 14001:2015** standards, by favoring the happiness of our employees and with a minimal environmental footprint, we reach all business objectives with a production philosophy that respects human health and the environment.





# References

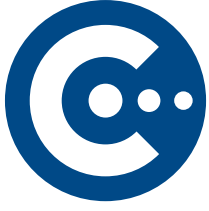


**BOMBARDIER**



# SIEMENS





# COSMOKOMPOZİT

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