

CORPORATE PRESENTATION 2024

**We are
committed to
quality and
customer
satisfaction
oriented**

(+90) 312 514 20 58 - 59 | info@elbialuminyum.com.tr | www.elbialuminyum.com.tr



ELBI ALUMINIUM™



Production of high-quality extruded aluminum profiles

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ELBİ ALUMINIUM CORPORATE PRESENTATION 2024



ABOUT US

With the power of 38 years To a new future...

Founded in 1996 as a family enterprise, Elbi has always played a leading role in the construction and pharmaceutical sectors at national and international level. In 2023, it has taken its success one step further with the strength of its 38 years of knowledge and experience added Elbi Aluminium to its group companies. Elbi Aluminium, has embarked on a new journey not only to produce superior quality aluminum products, but also to improve the quality of life.

Elbi Aluminium produces high quality extruded aluminum profiles in its factory established in Sincan 2nd OSB (Organized Industrial Zone) and with an annual capacity of 4.800 tons/year. It provides quality, reliable and sustainable service for industries such as construction, energy, electricity, aviation, health and automotive.

Elbi Aluminium has blended high efficiency and technology infrastructure investments that support it with production, sales and design competencies. As in the past and today, tomorrow to create value for the country and future generations; With all its energy and competent staff, it will continue to offer the highest quality products and services to its customers.

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Automatic extrusion line with 6''' press machine

Elbi Aluminum has the capacity to meet annual demands of 4,800 tons and above thanks to its ability to produce extruded aluminum profiles in different alloys with 6''' Press and 6 inc. 3 m. Quench Cooling Systems.



Made in
Turkiye

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ELBIALUMINIUM™

High quality high efficiency

Elbi Aluminium is a corporate company that constantly invests in the future and technology, aiming to provide its customers with timely, error-free and high-quality products.



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 **ELBI ALUMINIUM™**



Increased extrusion
performance from the use of
**high-quality
aluminium billets**



Billets are heated to the appropriate temperature value before extrusion and then passed through special molds to be brought to the desired shape. The surface quality of the billets used by Elbi Aluminium is quite high. This prevents surface from defects during the extrusion process.



**Robust, precise
and high quality mold
production**



Elbi Aluminum attaches great importance to molds for high quality extruded aluminum profile production. It manufactures molds in a way that quality, dimensional tolerance sensitivity, profile surface sensitivity, mold life and efficiency are at the highest level.



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ELBİALUMINIUM™

Our Production Processes



Heating of Billets

Before starting the extrusion process, aluminum billets are heated to approximately 400-500°C to soften the aluminum billets.



Extrusion Press & Quench Cooling

Heated aluminum billets are placed in the extrusion press. They are passed through special molds by applying great pressure. Extruded profiles are cooled in the Quench cooling system. Heat treatment is applied to increase the strength of the profiles and reduce their stresses.



Cutting Powder Painting

Cooled profiles are cut to the desired dimensions. Surface treatments such as electrostatic powder painting are applied to provide an aesthetic appearance and increase corrosion resistance.



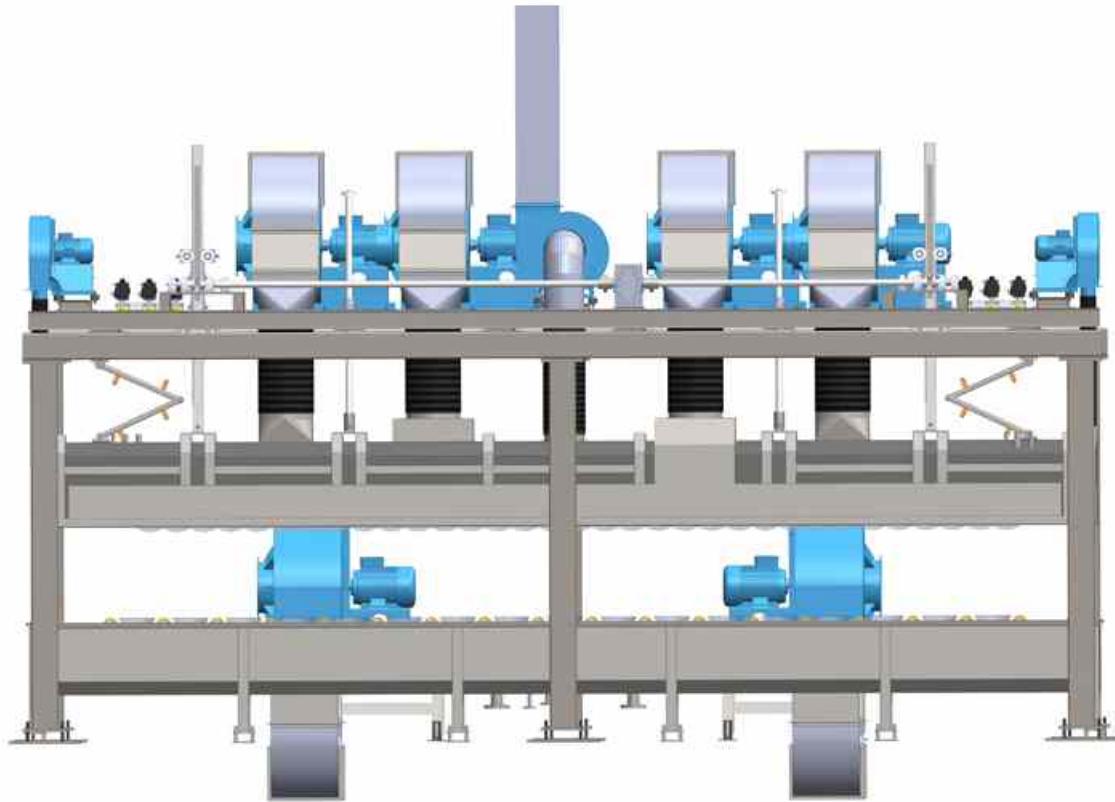
Quality Control

Elbi Aluminum puts the produced aluminum profiles through quality control. The dimensional accuracy, surface quality and durability of the profiles are tested.



Packaging and Logistics

Elbi Aluminum provides the delivery of products to its customers with packaging and logistics systems that meet national and international quality standards.



6 Inc 3m Quench Cooling Systems

Bottom and top proportional pulverized water- or air-cooling systems are used. Profiles coming out of the extrusion press can be subjected to different types of quench processes depending on their dimensions, alloy, extrusion speed and desired temperature.

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**We serve a solution
partner for many
national and
international sectors**

CONSTRUCTION SECTOR
AUTOMOTIVE SECTOR
ENERGY SECTOR
ELECTRICAL-ELECTRONICS SECTOR
HEALTH SECTOR
FURNITURE SECTOR

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CO₂ Emission

Elbi Aluminium fulfills its responsibilities to move society and people forward and to pass on our world to future generations in the best possible way.





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