



**Aluminium
Extrusion
Profiles**



SAKARYA - TÜRKİYE



NEUWIED - GERMANY



RUGLES - FRANCE

ASAŞ

Founded in Gebze in 1990, ASAŞ is now one of Türkiye's leading industrial companies, with five state-of-the-art production facilities located in the Sakarya region, over 3,000 employees, and exports to more than 90 countries. With its steady growth trend since its establishment, ASAŞ ranks among the top 100 largest industrial companies in Türkiye and is one of Europe's leading manufacturers. It creates value for the sectors it serves with its R&D Center, state-of-the-art integrated production facility, and expert team.

Production capacities in our integrated facilities:

Production Capacities (Türkiye Facilities - 1,450,000 m² Total / 450,000 m² Enclosed Area)

- **Aluminium Extrusion Profiles:**

 - **Aluminium Billet:** 130,000 tons/year
 - **Aluminium Profile:** 130,000 tons/year
 - **Anodized Aluminium Profile:** 40,000 tons/year
 - **Powder Coated Aluminium Profile:** 24,000 tons/year
- **Aluminium Flat Rolled Products:**

 - **Casting:** 150,000 tons/year
 - **Cold Rolling:** 250,000 tons/year
 - **Foil:** 100,000 tons/year
 - **Pre-painted Sheet:** 50,000 tons/year
 - **Lacquered Foil:** 10,000 tons/year
- **Aluminium Composite Panel: 8,000,000 m²/year**

• **PVC Profile:** 35,000 tons/year

• **Lamella Roller Shutter:** 40,000,000 linear meters/year

• **Door & Window Systems:** 150,000 units/year

ASAŞ serves key strategic sectors - including railway, automotive, construction, commercial vehicles, energy, packaging, consumer goods, and marine. Beyond semi-finished goods, ASAŞ markets aluminium architectural systems (doors, windows, curtain wall systems), aluminium composite panels, PVC door and window systems, shutter systems, motor control systems, and aluminium design products (flag poles and lighting poles, aluminium furniture).

Established in 2015 as an integrated learning, design, and production platform, **ASAŞART** bridges the gap between art and industry by providing artists, academics, and students direct access to ASAŞ's advanced manufacturing facilities, technical expertise, and industrial materials. Through workshops, art residency programs, and collaborative projects, it empowers creators to execute large-scale artworks and complex designs while fostering university-industry partnerships and advancing contemporary art production.

Global Operations:

Germany

ASAŞ GmbH was established in 2018 near Koblenz on an 880,000 m² site, serving as a European hub and partnering with Koblenz University of Applied Sciences to run a Robotics Education, Research, and Application Center.

France

Founded in 2025 following the acquisition of Eurofoil France, ASAŞ S.A.S. operates a 130,000 m² facility (55,450 m² covered) in Rugles, producing high-quality aluminium foil from 300µm down to 6µm for the packaging, food, pharmaceutical and automotive sectors.



SUSTAINABILITY

In line with our sustainability approach, and guided by the vision we have adopted, we aim for value-driven, reliable, and sustainable growth through our strategic goals.

We place sustainability at the core of our main strategies and take ESG (Environmental, Social, and Governance) criteria into consideration across all our business processes.

We address our sustainability approach under three main pillars that we have established based on our sustainability perspective. With our sustainability approach, which includes a comprehensive roadmap defined to achieve our sustainability goals, we aim to create value for all our stakeholders.



Responsible Business Approach

Based on an inclusive perspective, we aim to establish a fairer, more equitable, and more transparent business approach.



Environmentally Responsible Business Approach

We develop sustainable practices and innovative solutions, and take steps to reduce our environmental impact.



People-Centered Business Approach

By fulfilling our responsibility to society, we develop projects that support the well-being and development of the community.



Product-based EPD (Envorimental Product Declaration) Certification

We will ensure that EPD certificates are obtained for the product types determined for Aluminium Profiles, Aluminium Flat Products, PVC and Roller Shutter business centers.



ISO 14064 Standard for Verification of Greenhouse Gas Emissions

We will perform and verify our Corporate Carbon Footprint calculations within the scope of ISO 14064, and we will carry out all documentation regarding this process.



ASI (Aluminium Stewardship Initiative) Certification

We have obtained ASI certification covers crucial aspects such as environmental performance, social responsibility, business integrity, and chain of custody and refers to a globally recognized program for aluminium products that adhere to sustainable and responsible practices throughout their entire lifecycle.



Green Energy

We continue our efforts to leverage clean energy sources in parallel with the establishment of Carbon Market conditions, as a part of Green Energy.



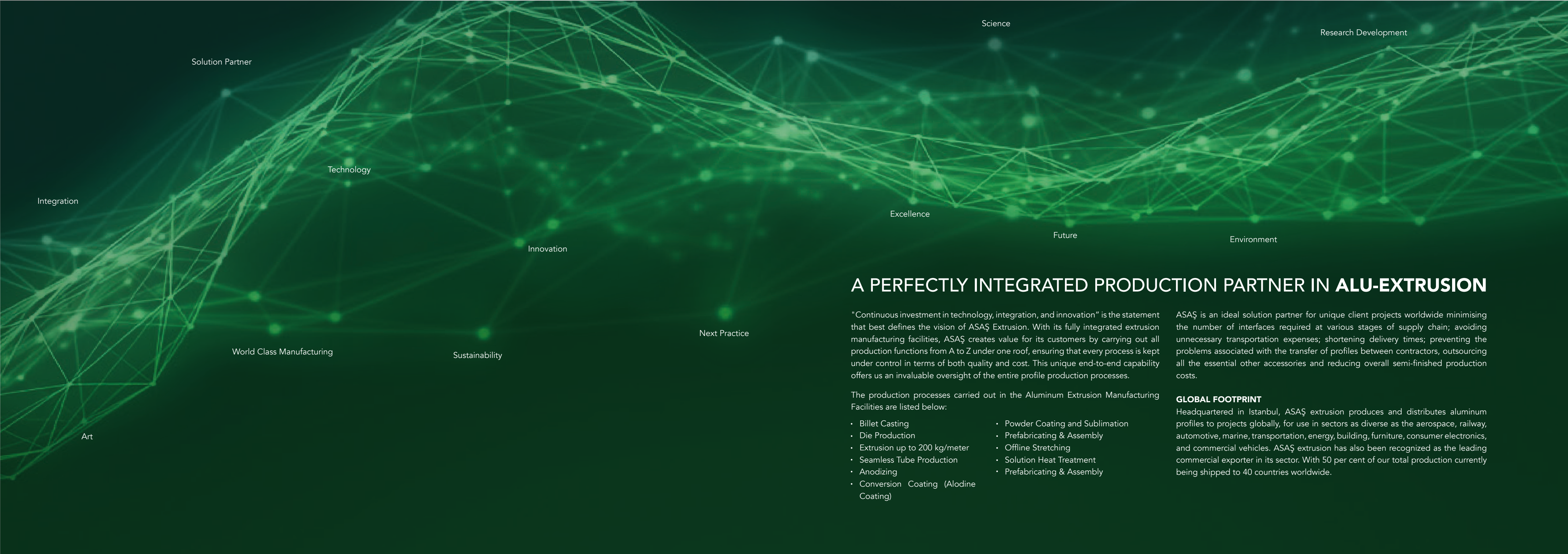
Recycling

Recycled material usage rate was %53 at our Aluminium Profile Factory in 2024.



NexAL

As a result of our R&D efforts, we have successfully produced NexAL, an Aluminium billet with a carbon footprint below 4 kg CO₂eq/kg Al, pioneering a first in Türkiye.



Solution Partner

Technology

Integration

Innovation

World Class Manufacturing

Sustainability

Next Practice

Art

Science

Research Development

Excellence

Future

Environment

A PERFECTLY INTEGRATED PRODUCTION PARTNER IN **ALU-EXTRUSION**

"Continuous investment in technology, integration, and innovation" is the statement that best defines the vision of ASAŞ Extrusion. With its fully integrated extrusion manufacturing facilities, ASAŞ creates value for its customers by carrying out all production functions from A to Z under one roof, ensuring that every process is kept under control in terms of both quality and cost. This unique end-to-end capability offers us an invaluable oversight of the entire profile production processes.

The production processes carried out in the Aluminum Extrusion Manufacturing Facilities are listed below:

- Billet Casting
- Die Production
- Extrusion up to 200 kg/meter
- Seamless Tube Production
- Anodizing
- Conversion Coating (Alodine Coating)
- Powder Coating and Sublimation
- Prefabricating & Assembly
- Offline Stretching
- Solution Heat Treatment
- Prefabricating & Assembly

ASAŞ is an ideal solution partner for unique client projects worldwide minimising the number of interfaces required at various stages of supply chain; avoiding unnecessary transportation expenses; shortening delivery times; preventing the problems associated with the transfer of profiles between contractors, outsourcing all the essential other accessories and reducing overall semi-finished production costs.

GLOBAL FOOTPRINT

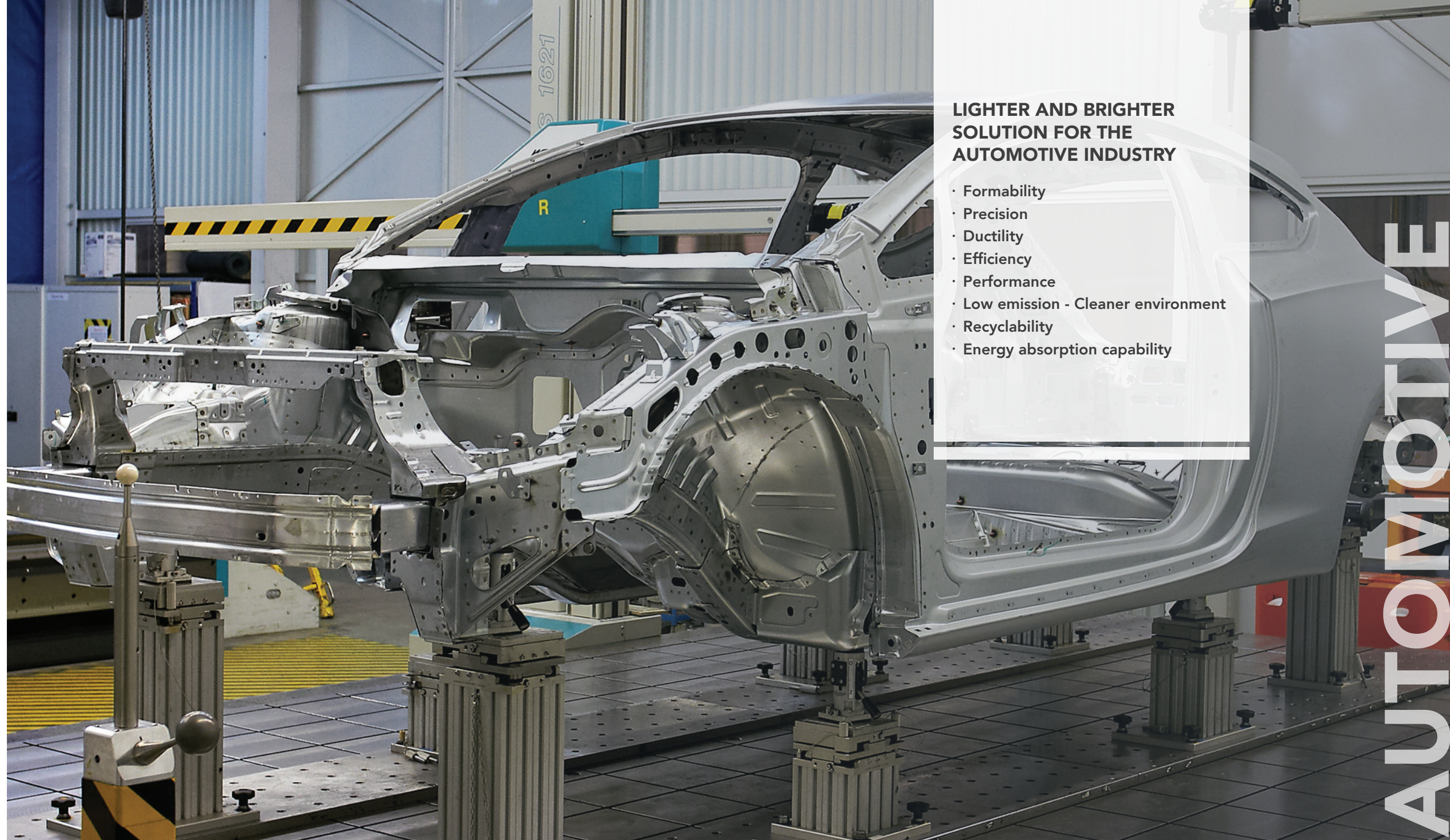
Headquartered in Istanbul, ASAŞ extrusion produces and distributes aluminum profiles to projects globally, for use in sectors as diverse as the aerospace, railway, automotive, marine, transportation, energy, building, furniture, consumer electronics, and commercial vehicles. ASAŞ extrusion has also been recognized as the leading commercial exporter in its sector. With 50 per cent of our total production currently being shipped to 40 countries worldwide.



We offer customized solutions to automotive industry to satisfy their increasing demand for lightweight structures. By adding own knowledge and experience, we transform extruded aluminium profiles into high precision components with internationally certified, precision tolerances and quality requirements.

Our capabilities:

- Structural profiles and semi-finished products
- Crush management parts
- Interior parts and components
- Alloy development according to OEM requirements
- Traceability
- ISO 9001 and IATF 16949 certificates
- Precise CNC cutting
- 5 axis CNC milling
- CNC Tapping
- Punching, forming
- CNC and NC bending
- 15085-2 CL1 certified TIG and MIG welding
- Supply of accessories and assembled parts
- Machining fixture, tooling and control gauges design and production
- Surface treatment according to customer requirement
- Assembly
- Kitting and special packing
- Dedicated automated machining and welding lines
- Autonomous mobile robots & material handling systems
- Handling, re-packaging, milk-run capabilities at our ASAŞ GmbH Neuwied, Germany Logistics Center



LIGHTER AND BRIGHTER SOLUTION FOR THE AUTOMOTIVE INDUSTRY

- Formability
- Precision
- Ductility
- Efficiency
- Performance
- Low emission - Cleaner environment
- Recyclability
- Energy absorption capability

AUTOMOTIVE



ASAŞ is a supplier to well known truck and trailer manufacturers. Our product range includes 6xxx and 7xxx serie alloys used for different types of trailer substructures, superstructures, chassis parts, side doors, truck bodies and other complementary aluminium parts and accessories.

Our Capabilities:

- Cargo semi-trailer, van trailer, horse trailer, tipper, refrigerated dry freight trailer, tank trailer, travel trailer, utility trailer , moving floor trailer
- Complete finished side wall, front wall and back door production
- Up to 15 m anodizing capability
- Up to 30 m length CNC machining
- Bending capability
- Semi fabrication and assembly of parts and components
- Kitting and special packing
- Up to 120 meters welding capability
- Up to 1000 mm wide extrusion sections



INNOVATIVE AND LIGHTWEIGHT SOLUTIONS FOR THE TRANSPORTATION INDUSTRY

- Lightweight solution
- Reduced fuel consumption
- Cleaner environment
- Max payload
- Attractive appearance
- Outstanding mechanical properties

TRUCKS & TRAILERS



ASAŞ extrusion meets the client requirements with more than 15 years experience in railway aluminium applications. Requirements of railway sector is met for both structural body parts in dedicated alloys and various interior and exterior applications. Products are welded / kitted and delivered carefully according to client packing instructions.

Our capabilities:

- Profiles for complete car body
- Sub-Assemblies: welded and machined roof, underframe and sidewall
- Door and access systems
- Interior components
- Up to 1000 mm width and 200 kg/m weight profile production
- Material tests and controls according to client specifications
- ISO 9001 and IRIS/ISO 22163 certifications
- 5 axis CNC machining up to 30 m
- CNC and NC bending
- 15085-2 CL1 certified TIG and MIG welding
- Welding capability up to 120 m
- Supply of accessories and assembly
- Machining, welding and transport fixtures
- Control gauges design and production
- Surface cleaning
- Linishing

STRUCTURAL AND SUPERIOR SOLUTIONS FOR RAILWAY INDUSTRY

- Lightweight solutions
- Sustainable mobility
- Corrosion resistance
- Minimized number of parts

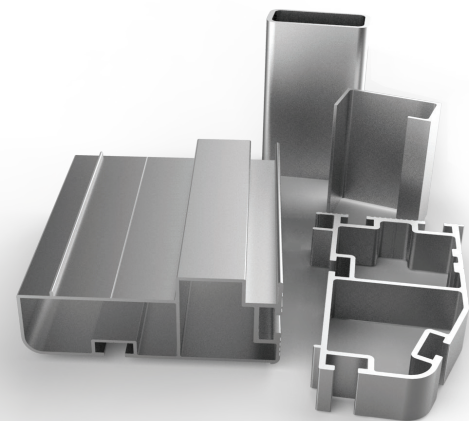


RAILWAY



VERSATILE AND FLEXIBLE SOLUTIONS FOR MARINE INDUSTRY

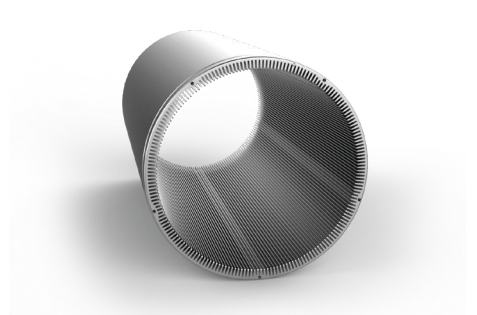
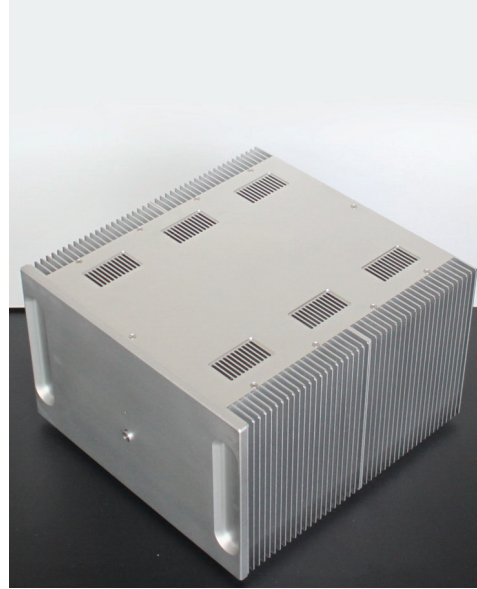
- Weldability and less welding works
- Excellent strength to weight ratio
- High corrosion resistance



ASAŞ has increased its presence in marine applications in recent years and provides offshore and helideck applications, different alloys, special shapes to ship, leisure boats, fishing vessels, patrol boats and yacht building industry.

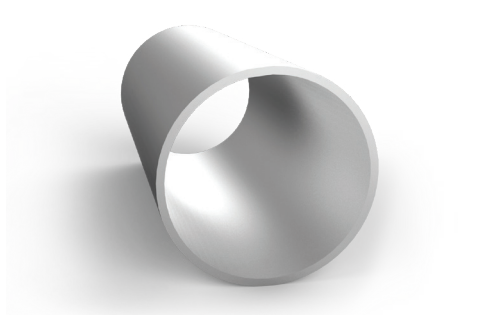
Our capabilities;

- 150 MN extrusion press up to 1000 mm width
- 62 MN extrusion press up to 450 mm tube, solid bars, angle, flat wider profiles
- Machining prefabrication and part assembly
- Marine walkways, stairs
Offshore platforms, aluminium pontoons



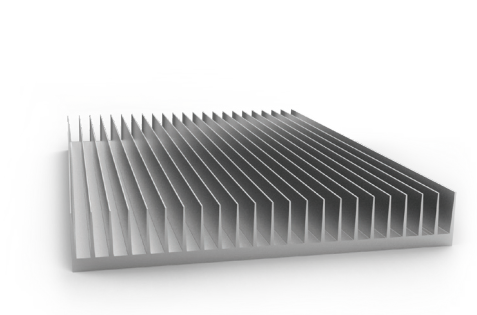
Renewable Energy

- Profiles for wind and solar energy systems
- Wind turbine structure and components
- Blade extrusions
- Extrusion for ladders and lifts
- Frames for solar cells and farms
- Sub-construction and mounting systems for ground and roof
- Semi-fabricating, including cutting to size drilling, machining, fixing etc.



High Voltage Substitutions, Large tubes for GIS housings, Busbars and Flatbars

- Large tube production up to 670 mm dia
- GIS aluminium housing including flange assembly
- Surge arresters
- Up to 30 m single length conductors
- Type tests and material test according to international requirements
- Bending and welding capability
- Alloys 1050, 1070, 6101B, 6005, 6060, 6061 and 6063



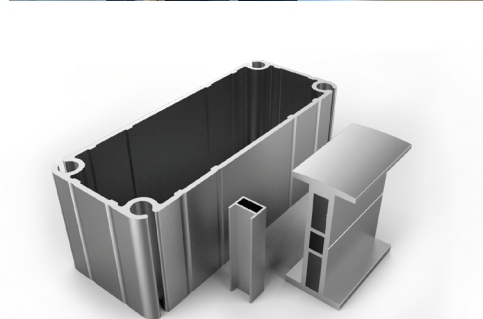
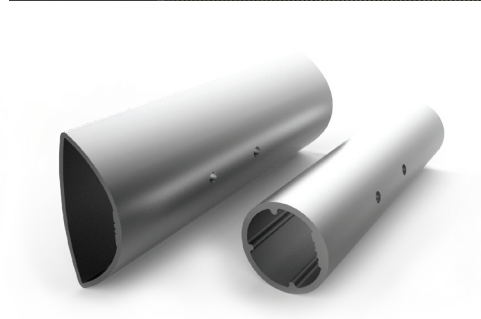
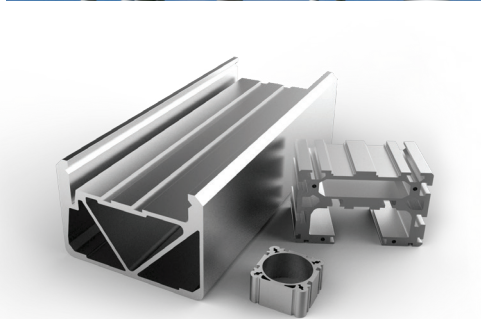
Electric & Electronic

- Lighting fittings and LED profiles
- Heat sinks profiles
- Components for electronic industry
- Electronic motor housing
- Lighting poles and bollards
- Single source fabrication

RENEWABLE AND LUCRATIVE ENERGY EFFICIENT SOLUTIONS FOR BETTER WORLD

- Lower carbon emissions-green future
- Ability to conduct heat and electricity
- Weather resistant
- Nontoxic and gas tight
- Cost effective
- Highly reflective of visible light and radiated heat
- Nonmagnetic - non sparking - non rust





Engineering Industry

- Machine construction profiles
- Heating, ventilation, air conditioning
- Pneumatic cylinders
- Pump housing
- Ladders and scaffolding
- Sun shading and tent systems
- Tank roofs and floating deck systems
- Pre-machining and assembly

Furniture and White Goods Household Appliances

- Indoor, outdoor furniture profiles
- Handles for refrigerators and ovens
- Household electrical appliances
- Aluminium frames
- Shower cabinets
- Shelf systems
- TV units
- Bathroom furnitures

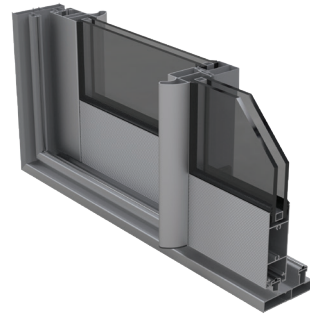
Aerospace

- 2xxx, 6xxx, 7xxx serie alloys
- T4, T6, T7, T6511, T7511 and other stress relieved conditions
- Offline stretching and solution heat treatment
- Precise cutting and CNC machining in house
- Conversion Coating (Alodine Coating)
- Solution partner for welded assembled products
- ISO 9100 certificate



INFINITE DESIGN AND CREATIVE SOLUTIONS FOR DIFFERENT INDUSTRIES

- Functionality
- Inherent strength
- Precision on production
- Various finish alternatives
- Seamless structure



Our expertise and a strong desire of being partners for construction industry has helped us to become one of the leading architectural system profile suppliers amongst both the domestic and international construction industry customers.

We are capable of accommodating the widest range of an esthetic demands expected by the world's most ambitious architects and structural engineers. ASAŞ has been successfully supplied to thousands of creative construction projects from airports to high rise office towers, private homes to municipal buildings.

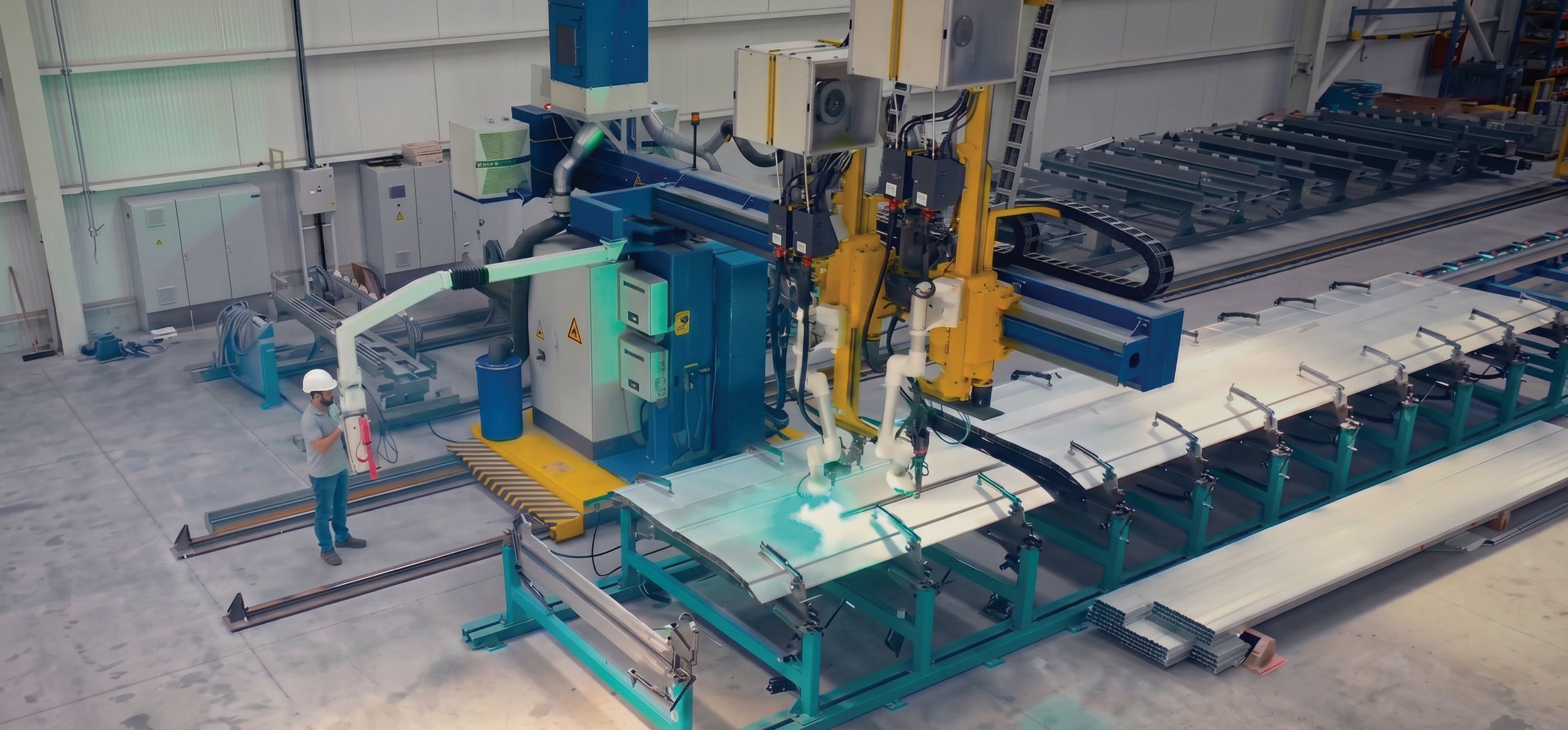
Highest international quality standards with performance characteristics assessed, recorded and provided with every customer order.

- Industrial and domestic facade profiles
- Skylight system profiles
- Winter garden profiles
- Door and window profiles
- Balustrades
- Balcony system profile
- Rain gutter etc.

ECOLOGICAL, MODERN AND TECHNOLOGICAL SOLUTIONS FOR ARCHITECTURAL REQUIREMENTS

- Guaranteed performance
- High strength to weight ratio
- Energy saving
- Low maintenance
- Fire safety
- Hundreds of surface finishes
- Low cost in use
- Optimal security
- Durability
- Compatibility for fast track construction
- Easy assembly

BUILDING & CONSTRUCTION



PRODUCTION SERVICES

BILLET CASTING

DIE PRODUCTION

EXTRUSION

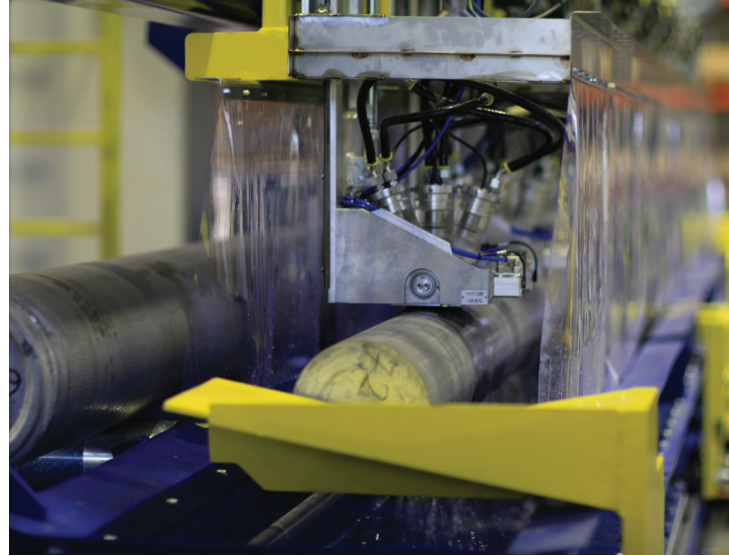
ANODIZING

POWDER COATING & SUBLIMATION

MACHINING, WELDING & ASSEMBLY

RESEARCH & DEVELOPMENT

CORE PRINCIPLES & QUALITY



FIGURES

- 130.000 ton annual production capacity
- 100% ultrasonic testing of aluminium billets
- 6, 7, 8, 10, 14, 18, 24 inches billet diameters
- Up to 7200 mm billet length
- 1xxx, 2xxx, 6xxx, 7xxx and 9xxx alloys

IN-HOUSE BILLET CASTING

ASAŞ produces aluminium billets **in-house within its integrated production campus**, enabling full control over alloy chemistry, metallurgical quality and billet properties tailored to specific extrusion requirements. Our advanced billet casting facilities are capable of producing billets in a wide diameter range of **6", 7", 8", 10", 14", 18" and 24"**, providing flexibility for both standard and large-scale extrusion applications.

CASTING PURITY & METALLURGICAL QUALITY

ASAŞ billet casting lines operate with advanced **computer-controlled hot-top AirSlip casting technology**, ensuring stable casting conditions and exceptional metallurgical purity. To further enhance melt quality, ASAŞ utilizes **ultrasonic melt treatment technology**, enabling superior melt homogenization before casting. Ultrasonic agitation improves the distribution of alloying elements, reduces inclusions and refines billet microstructure, enabling **industry-leading melt homogeneity**. In addition, ASAŞ performs advanced ultrasonic inspection of billets, allowing the detection and control of internal defects such as **porosity and inclusions at aerospace-grade quality levels**.

This comprehensive quality approach ensures:

- Superior metallurgical purity
- Reduced inclusion levels

- Refined and homogeneous microstructure
- Reliable extrusion performance

ASAŞ can also **customize alloy compositions and billet specifications** according to the requirements of demanding industries such as automotive, rail transportation, construction and industrial applications.

MODERN CONTINUOUS HOMOGENIZING

ASAŞ utilizes **modern continuous billet homogenizing technology** to achieve uniform metallurgical properties throughout the billet. Compared with conventional batch homogenizing systems, the continuous homogenizing process ensures highly controlled heating, soaking and cooling cycles, resulting in uniform temperature distribution and optimized dissolution of alloying elements. Following homogenization, billets are cooled under precisely controlled conditions with **cooling rates of up to 600 °C/h**, enabling accurate control of precipitation behaviour and ensuring an optimal metallurgical structure for extrusion.

This advanced homogenizing capability ensures billets delivered to the extrusion presses provide excellent extrudability, consistent mechanical performance and superior product quality.



FIGURES

- 250 new dies per month production capacity
- Cost effective and technically rigorous die solutions
- 2 weeks lead time for die production
- Up to 850 mm die * 900 mm tool package
- Tolerances down to $\pm 0,1\text{mm}$
- Technical support to customer's design teams

DIE DESIGN

Our skilled Die Design & Development Team is dedicated to the creation of high quality extrusion dies. Their process begins and ends with the client's project goals and focuses on efficiently developing the most cost-effective and technically rigorous die solution.

PRECISION FABRICATION

Using the very latest computer-aided design (CAD) and (computer-aided) manufacturing (CAM) systems, Die Design & Development Team works hand-in-hand with a team of skilled engineers to produce a large quantity of high quality custom dies at a suite of state of the art, computerized-numerically controlled (CNC) workstations.

TECHNICAL SUPPORT AND EXPERIENCE

Since 1990, ASAŞ Die Design & Development Team has produced more than 20.000 customer profile dies. This wealth of technical experience is made available to every one of our customers from the beginning of a project, to the completion of their profiles. We believe that access to this expertise ensures own customer benefit from the most efficient, cost effective and technically rigorous extrusion process.



FIGURES

- 130.000 tons annual production capacity
- Profile production capability from 50 g/m up to 200 kg/m
- Up to 30 m single-length profile extrusion
- Up to 670 mm circumscribed circle diameter (CCD)
- Full traceability production
- **150 MN Extrusion Press: the biggest Extrusion Press Line in Europe**
- Up to 1000 mm width, 670 mm height direct profile extrusion capacity.
- Mandrel Extrusion capability for seamless tube production
- Additional 2x 45 MN HybrEX Extrusion Press with high energy efficiency
- Capable to produce T6xxx, T7xxx, T6x11, T7x11 conditions

PRODUCTION CAPABILITY

ASAŞ Extrusion Facility is comprised of 10 separate and highly efficient production lines, from 1250 tons through 1350, 1600, 2200, 2900, 3500, 4000, 2x4500, 6200 and up to 15000 tons with its final 150 MN press investment. Using only 100% primer quality billets, our total aluminum profile production capacity is 130.000 tons per year at a facility that has been optimized over time to produce a range of aluminum profiles with different alloys and physical characteristics. ASAŞ' new 150 MN extrusion press line which stands as the biggest extrusion press line in Europe has up to 1000 mm width, 670 mm height direct profile extrusion capacity.

CATEGORY LEADERSHIP

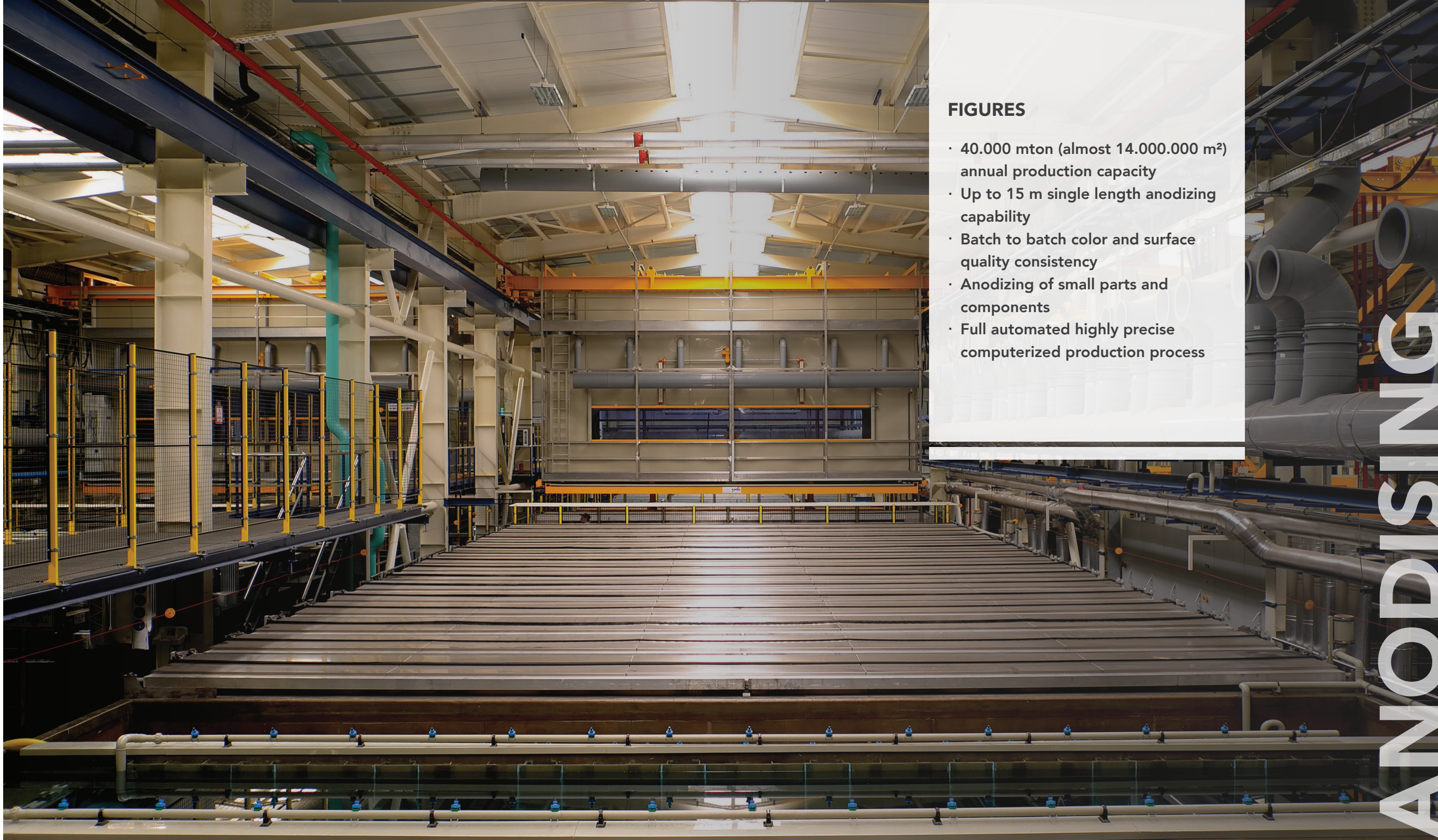
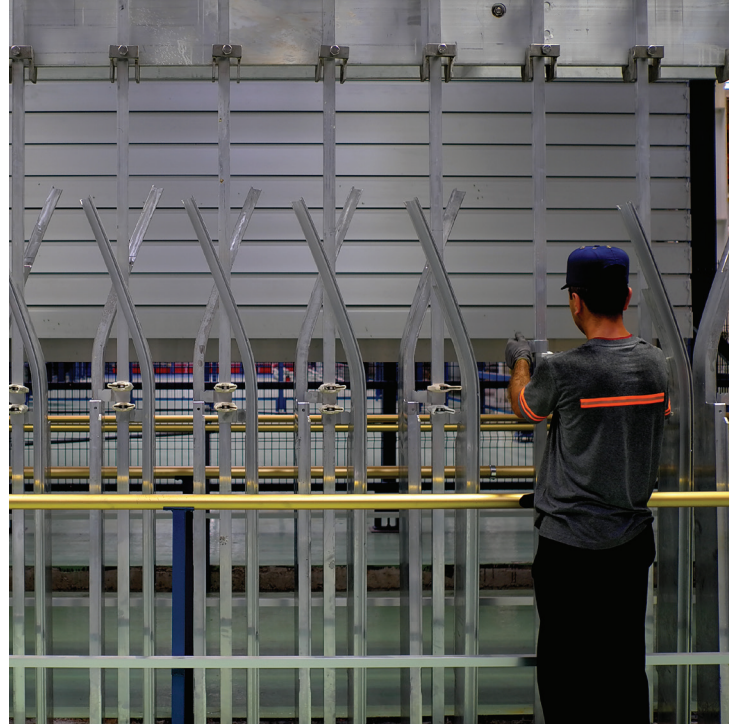
We are proud to be considered one of Europe's fastest growing manufacturing companies and a leading voice within the Turkish extrusion industry. This success is more than simply a testament to our capacity, efficiency and technological skill. It is, we believe, the result of a relentless focus on exceeding our customers' expectations. With our world class expertise and state of the art extrusion facilities, we can design and produce a wide range of custom and standard extrusions tolerances.

HEATING & QUENCHING

The ASAŞ Extrusion Facility is also equipped with a suite of induction-billet heating units to create taper-heated billets capable of achieving isothermal extrusion. In addition, the ASAŞ Quenching Unit produces a perfect cooling ratio, especially helpful where special profile characteristics are concerned. When extruding a new profile at the initial test stage the regulated flow of water, air and standing wave can be recorded and its cooling data used to produce subsequent extrusions of identical quality.

CUSTOM PROFILE PRODUCTION

At ASAŞ, we have been at the forefront of the movement towards increasingly custom profile production, investing heavily in our ability to design and develop more innovative solutions for a diverse customer base, including the construction, furniture production, white household appliances, customer electronics, heatsink production, machinery manufacture, road transportation, automotive, marine, railway and aeronautic industries.



FIGURES

- 40.000 mton (almost 14.000.000 m²) annual production capacity
- Up to 15 m single length anodizing capability
- Batch to batch color and surface quality consistency
- Anodizing of small parts and components
- Full automated highly precise computerized production process

UNRIVALED CAPACITY

The largest system of its kind in the world, the state of the art anodizing facility can produce up to 14.000.000 square meters of high quality anodized aluminum profiles and accessories each year. Uniquely, the anodizing of aluminum sheets in a range of colors can also be completed at this facility.

EXCEPTIONAL QUALITY

An exceptional anodizing process is the product of strict quality management procedures. ASAŞ Anodizing Facility is QUALANOD® certified by the European Anodizers Association and all profiles are tested and certified according to the highest international standards.

TREATMENTS, COLOURS & FINISHES

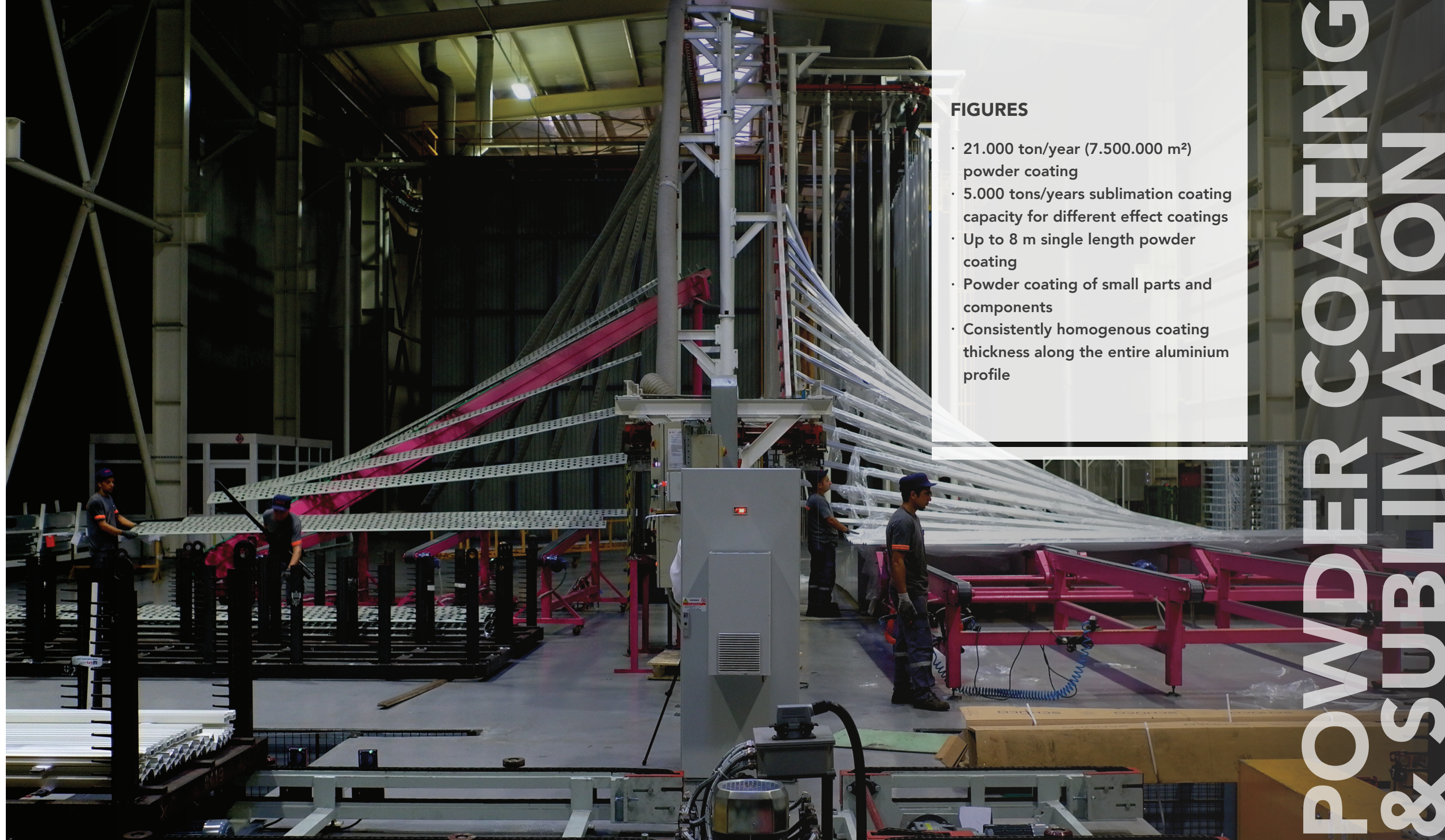
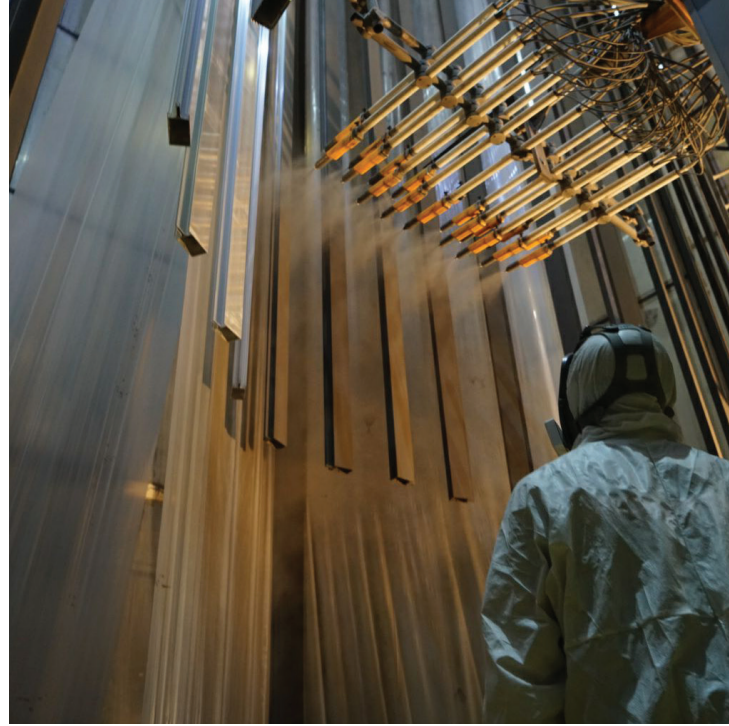
Natural, black, gold, shades of bronze, satinating to polishing, inox effect, scotch brite™, sandpaper finishing, steel wire brushing, shot-blasting.

LONG LENGTH ANODISING UP TO 15 METERS

Using another dedicated line, 15 meter long profiles are anodized in a wide range of colours; from natural silver, light bronze and different shades of brown and black to gold and other organic colours in a range of gloss, semi-matte and matte finishes. This facility also provides a full electro and chemical brightening service for profiles up to 8 meters long.

ENVIRONMENTAL SENSIVITY

One of the most advanced systems of its kind, the ASAŞ Anodizing Facility is equipped with an intelligent waste-recovery, recycling and pollution control capability to ensure every aspect of the ASAŞ Anodizing Process is compliant with all key environmental standards. Another important aspect of the ASAŞ Anodizing Process is our lower water usage and associated waste water treatment. We interlock the total water supply using programmed control and ensure that all flush water is used repeatedly, to lower overall water wastage.



FIGURES

- 21.000 ton/year (7.500.000 m²) powder coating
- 5.000 tons/years sublimation coating capacity for different effect coatings
- Up to 8 m single length powder coating
- Powder coating of small parts and components
- Consistently homogenous coating thickness along the entire aluminium profile

COATING CAPACITY

With the capacity to produce up to 7.500.000 square meters of powder coated profiles per year, ASAŞ Electrostatic Powder Coating Facility is where accessories, short profiles and profiles 400mm mm wide and 8 meters long can be powder coated in a number of special or European RAL colors, in a range of gloss finishes in dedicated 2 different lines.

QUALITY MANAGEMENT

ASAŞ Electrostatic Powder Coating Facility is QUALICOAT® certified by the European Aluminum Powder Coaters Association.

SUBLIMATION PROCESS

Alu - profiles and sheets in wooden and marble effects are produced with the latest sublimation technology. Looks more real and stays stronger against outside effects rather than standard foil. Flexible, easy application, wide options. For primer coating, we apply our high quality powder coating in QUALICOAT® standard.

ENVIRONMENTAL SENSITIVITY

The ASAŞ Electrostatic Powder Coating Facility uses only RoHS chrome-free treatments to meet both our environmental responsibilities and the standards of the automotive, home appliance and furniture manufacturing industries.



Vertical Machining Centre with Robotic Automation Cell

EXPERT PARTNERSHIP

Our clients benefit from a highly skilled technical resource in the ASAŞ Mechanical Processing Team and can expect a consistently high level of professional partnership, focused on efficiently and cost-effectively delivering the best possible prefabrication solution.

PRECISION PREFABRICATION

The ASAŞ Mechanical Processing Team provides customers with a world class profile prefabrication solution. Using the very latest prefabrication technology, this team transforms extruded aluminium profiles into high precision components and machined semi-finished or finished parts with internationally certified precision, tolerances and even surface roughness. All cutting and punching tool design is conducted on-site, enabling the ASAŞ Mechanical Processing Team to offer a truly comprehensive range of prefabrication procedures.

SINGLE-SOURCE BENEFIT

There are many benefits to single-source prefabrication. These include minimizing the number of interfaces required at various stage of supply chain, avoiding unnecessary transportation expenses, reducing scrap, shortening the time between production and application, eliminating the problems that can result from the transfer of profiles between manufacturer and subcontractor and lowering overall production costs.

Further Fabrication

- 15085-2 CL1 certified TIG and MIG welding
- Dedicated automation for client projects
- Supply of accessories and assembly
- Machining fixture, tooling and control
- gauges designing and production
- Anodizing and powder coating
- Assembly
- Kitting and special packing
- Precise CNC cutting
- 5 axis CNC milling
- CNC Tapping
- Punching presses
- CNC and NC bending



FIGURES

- 5-axis CNC machining centers up to 30 m in length and 4,5 m in width
- High speed new generation CNC machines
- 3-roll bending machine with automatic mandrel system
- Crane Type Robotic welding lines up to 120 m length and 3,6 m width
- Robotic Machining Line
- Laser Cutting Machine
- Dedicated machining lines for customized projects

MACHINING,
WELDING &
ASSEMBLY



MACHINING CENTERS

Long travel 5 axis machining centers	
Length	30.000 mm
Width	4500 mm
Axis	5

PROFILE BENDING

Three-Ball bending machines	
Profile Length	min. 400 mm max. 7.000 mm
Min Box Profile	38*38 mm

CRANE TYPE ROBOTIC WELDING LINES

Crane Type Robotic Welding Lines	
Length	120 m
Width	3,6 m

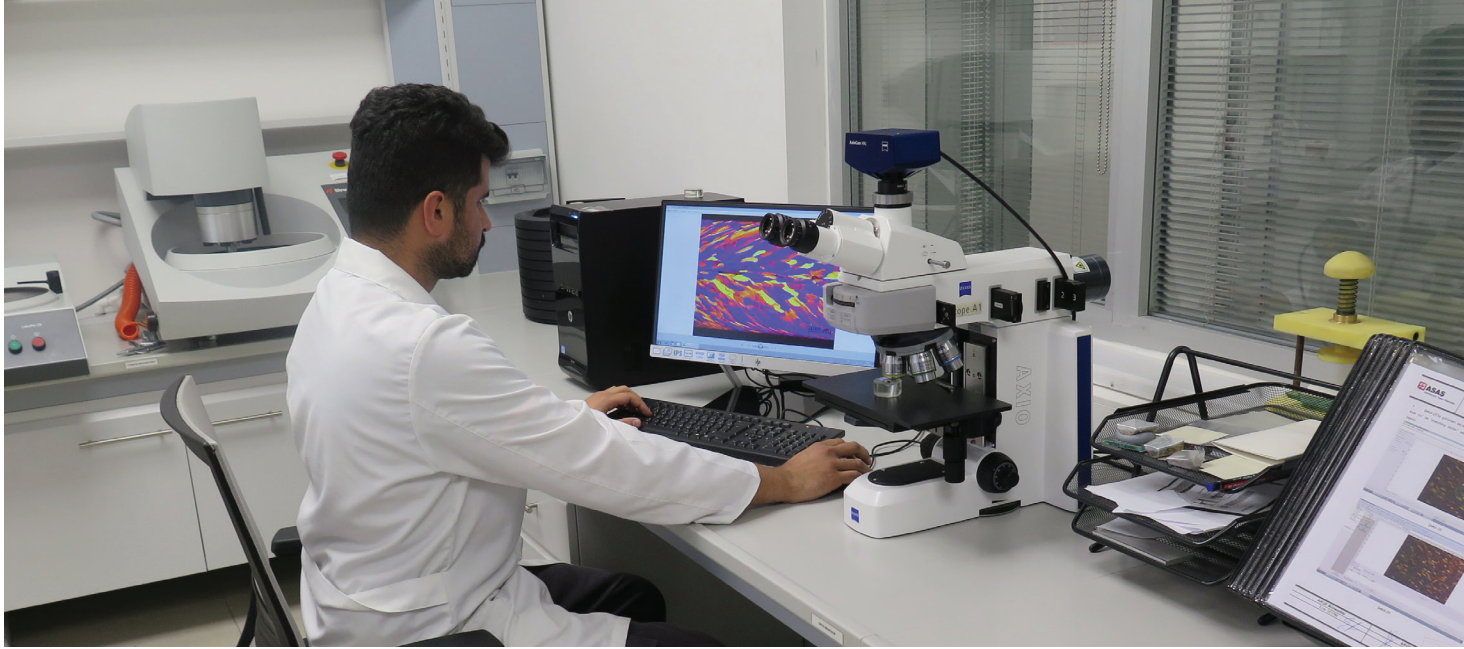
ROBOTIC CNC LINES

Machining solutions developed for high-precision extrusion profile processing. Designed for modern manufacturing environments, the line combines rigid machine construction, high spindle performance, and intelligent automation for stable and efficient production.

The machining centers feature automated loading and unloading systems, enabling continuous material flow with minimal operator intervention. Thanks to fast setup/changeover capability and integrated automation infrastructure, the line is designed for high OEE and reliable production performance.

The series supports high-precision machining of long extrusion profiles for industries such as automotive, aerospace, industrial manufacturing, and construction systems.

- Geometry Control
 - Machining
 - Laser Marking
- Punch
 - Bending / Drilling / Camera Control
 - Robotic Loading & Unloading



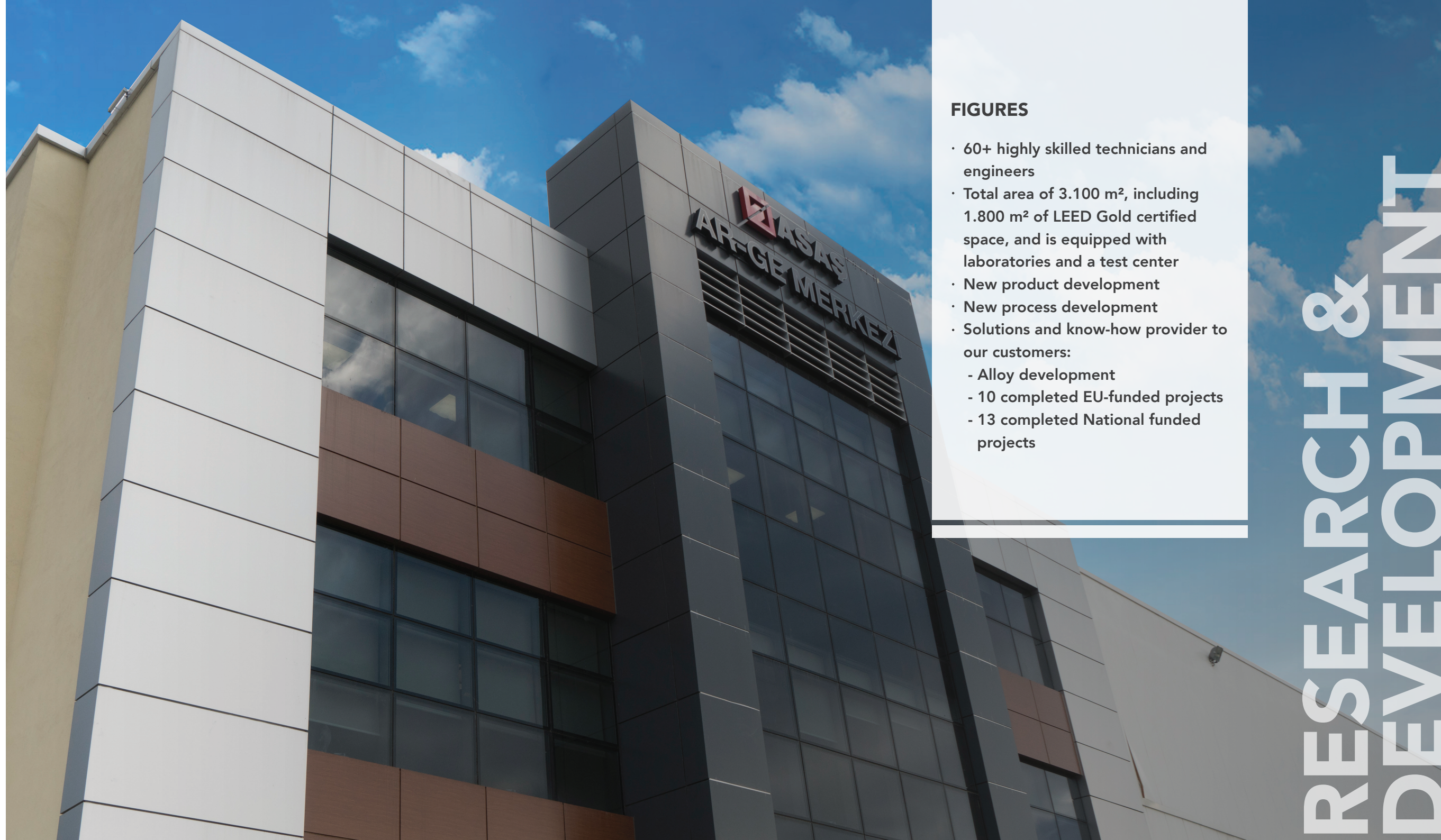
RESEARCH & DEVELOPMENT

Our Research and Development Department plays a strategic and transformative role throughout the entire lifecycle of our products. Our main focus is the development of existing & new high efficiency products and processes, the creation of innovative solutions, and the creation of short and long-term partnerships with our customers. We drive continuous improvement by combining industrial expertise with emerging technologies, developing innovative solutions and building long-term partnerships with our customers.

Our R&D organization carries out a broad spectrum of studies ranging from alloy design to process optimization, sustainability-oriented development, mechanical design with co-design and digital transformation of production systems. By working closely with our customers and understanding their unique technical requirements, ASAŞ R&D Team provides tailored solutions that enhance value creation, cost-effectiveness, and operational excellence.

ASAŞ specialized technical R&D team work on:

- Alloy development having qualified physical and mechanical properties with superior metallurgical abilities,
- Development of the extrusion die design and production technologies,
- Improving billet extrudability through data-driven process modelling and experimental validation,
- Microstructural, mechanical properties and advanced material analysis etc.,
- Innovative solutions for our customer projects especially in automotive and railway sector,
- Accelerating new product development and enhancing the performance of existing products through continuous improvement activities.
- Sustainability-focused developments on recycled content, energy efficiency and process decarbonization.



FIGURES

- 60+ highly skilled technicians and engineers
- Total area of 3.100 m², including 1.800 m² of LEED Gold certified space, and is equipped with laboratories and a test center
- New product development
- New process development
- Solutions and know-how provider to our customers:
 - Alloy development
 - 10 completed EU-funded projects
 - 13 completed National funded projects

RESEARCH &
DEVELOPMENT



OUR FOCUS

- Innovation culture
- Process excellence
- Respect for people
- On place in time quality
- Voice of the customers
- Development with suppliers

CORE WORKING PRINCIPLES AND QUALITY

Supporting every one of our business lines is a robust set of six Core Working Principles. These are Quality Management, Technical Support, Customer Care, Health & Safety, Environmental Sensitivity and Positive Work Environment.

HEALTH & SAFETY

At ASAŞ, we are diligent in identifying, evaluating and eliminating every possible risk at all stages of our production process. We achieve this by planning and implementing preventive measures, conducting practical training initiatives and continuously improving our occupational health and safety management practices in line with ISO 45001:2018 standard.

ENVIRONMENTAL SENSITIVITY

The aim of the ASAŞ Environmental Management System (A-EMS) is to achieve Zero Environmental Impact. In line with the principles of ISO 14001:2015, we take a number of practical steps to support this goal, including the selection of alternative materials with lower environmental impact, maximizing the use of recycled materials, minimizing packaging, ensuring the proper treatment and discharge of wastewater, and effectively managing all hazardous emissions.

CORE PRINCIPLES
& QUALITY

Aluminium Extrusion Profiles



Scan the QR code to access detailed product information, technical documents, and up-to-date content.

Visit our website and follow our social media accounts to explore more.





ASAŞ Alüminyum Sanayi ve Ticaret A.Ş.

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