



SHAPES FOR OUR LIFE



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# PREZEZZI EXTRUSION GROUP

COMPLETE EXTRUSION LINES AND CASTHOUSES



*Prezezzi Extrusion Group represents excellence in the design, production, and commercialization of non-ferrous metal extrusion plants and casthouses. The company has grown through continuous innovation, establishing itself as an international leader in the sector. With main offices in Northern Italy and a global presence through an extensive network of clients and partners, Prezezzi Extrusion Group offers comprehensive solutions for the extrusion of metals like aluminum, copper, and brass and complete casthouses.*

Our journey began in 1994, focusing on designing and manufacturing presses for the extrusion of aluminum, copper, and brass, and revamping existing machinery. This specialization quickly made us a market leader. In 2013, with the acquisition of **Coim S.r.l.** - specialising in the production of gas-fired billet heaters - and the integration of **Profile Automation** - a company dedicated to the production of handling systems - we began producing complete extrusion plants, leading to the formation of **Prezezzi Extrusion Group**.



+ 1.000  
PROJECTS  
WORLDWIDE



SERVICE  
WORLDWIDE



30 YEARS OF  
EXPERIENCE

## ACHIEVEMENTS AND MILESTONES

Between 2019 and 2021, we reached significant milestones, selling over 200 presses and 200 gas preheating furnaces worldwide. In 2020, we designed and sold the largest press ever built in Romania, demonstrating our ability to meet our clients' most ambitious needs.

## SUSTAINABILITY AND TECHNOLOGY

Our commitment to the environment is evident from the introduction of the first extrusion press with the PE.E.S.S. Energy Saving System in 2009 and the first magnetic billet heater ZPE (Zero Pollution Energy) in 2015. These innovations allow us to offer high-performance, low-environmental-impact solutions, making our plants more efficient and sustainable. In 2018, we sold our first complete foundry plant, from scrap to homogenizing furnace.

## LOOKING TO THE FUTURE

Today, Presezzi Extrusion Group is an international reference in the field of complete plants for non-ferrous metal extrusion. We are ready to face future challenges with determination, driven by our successes and continuous pursuit of innovation and sustainability.

# MISSION, VISION AND PURPOSE

## MISSION **A WORLDWIDE BENCHMARK**

The non-ferrous metals, extrusion and aluminium recycling industry in which the Group operates cannot escape this drive and regards the future with increasing respect for ecosystems, rapid evolution of technologies and an open mind towards increasingly "employee-friendly" working environments. By focusing on people and their ideas as part of its core corporate philosophy, Presezzi Extrusion Group successfully navigates and commits to fostering change with determination and enthusiasm, continuing to create innovative processes and products. The Group currently ranks as one of the leading companies in the extrusion and recycling systems industry and is considered to be a highly reliable and competent technology partner focusing its core mission on creating value for its customers. One of its strengths is the support it provides in every specific stage of the project through the development, design and realisation of complete custom systems, combined with an after-sales support service that aims to provide a product with a long-lasting life cycle.

## VISION **ECO-EFFICIENT EXCELLENCE**

At the heart of the Presezzi Extrusion Group's Vision is its commitment to its key stakeholders: from customers worldwide to the local areas in which the company operates, from its work team to its many suppliers, and from local communities to its economic and financial partners. An ambitious vision that includes not only the challenge, which the Group has already embraced, of adopting a more sustainable approach to business growth, but also care a sense of responsibility towards our planet and the future generations that will inhabit it.

INNOVATION  
SUSTAINABILITY  
PEOPLE



## PURPOSE **SHAPES FOR OUR LIFE**

We want to make excellence more responsible: we contribute to the creation of "shapes for our life" with the aim of innovating and creating a more sustainable future. Thanks to the properties of aluminium and non-ferrous metals, we support our customers around the world in the production of high-performance products destined to fill our spaces: from cars to the structures of the buildings that welcome us, or from the design articles that appeal to our tastes to the railway and aerospace sectors, the latter of which is an exciting challenge for mankind. Concrete and tangible shapes such as the contours obtained from the extrusion process. We work every day to shape the future, for the planet, for communities and for those who will come tomorrow. Ambitious projects stemming from ideas and the enhancement of talent are a central approach for our Group together with the drive towards innovation and sustainability, central paradigms in our operations.

# PERFORMANCE, INNOVATION AND SUSTAINABILITY

In a world increasingly focused on sustainability and innovation, Presezzi Extrusion Group stands out as a leader in the design and construction of complete extrusion plants for aluminium, copper, brass, and foundry operations. We firmly believe that performance should not come at the expense of environmental respect and the commitment to technological progress and digitization.

Our plants are designed to optimize energy consumption and minimize environmental impact, without compromising production quality and efficiency. We use cutting-edge technologies and state-of-the-art materials to guarantee excellent finished products and a service management system developed through the application of some 'digital factory' principles such as data analytics and remote assistance.

**We drive the extrusion and recycling  
world to a more sustainable future**







## How do we aim to create **sustainable value** for our stakeholders?

**Sustainable approach:** Our plants are designed to minimize environmental impact, with particular attention to energy consumption and emissions.

**Technological innovation:** We constantly invest in research and development to offer our customers the most advanced and high-performance solutions on the market.

**Quality and reliability:** Our plants are designed and built with high-quality technologies and machinery, ensuring efficient and reliable production.

**Excellent customer service:** We offer comprehensive and personalized customer service to support them in every phase of their project.

***Prezezi Extrusion Group constantly works to renew business practices in its sector, always with the aim of generating value for its customers and well-being for its stakeholders.***

# PERFORMANCE, INNOVATION AND SUSTAINABILITY



## Environmental Product Declaration

[www.environdec.com](http://www.environdec.com)

The Group's management policies have always been based on ethical principles whereby efficiency and energy saving are considered essential components and cornerstones of our design and production. It is no coincidence that we were the first in our industry worldwide to voluntarily develop the environmental label (EPD) for our products.

Presezzi Extrusion Group's objective is the development of **Environmental Product Declaration EPD** for its own flagship products for the processing of aluminium and other non-ferrous metals, with the intention of providing its customers with a valid tool for communicating high environmental performance.

***The aim is to offer and guide customers towards more sustainable technologies, without sacrificing performance and production efficiency.***



### **Z.P.E.**

**(Zero Pollution Energy)**

**Permanent Magnet Heater**

Registration number: S-P-06355



### **PE. E.S.S.**

**(Energy Saving System)**

**Extrusion Press**

Registration number: S-P-06388



### **Billet heater for non-ferrous metals**

**Coim S.r.l.**

Registration number: S-P-11035



### **L.E.C.**

**(Low Energy Consumption)**

**Stirrer**

Registration number: S-P-10257



“

Research and development are a  
“must have” for our company as  
well as seeking out innovative  
technologies that can generate  
positive actions for mankind  
and the environment.”

*Valerio Presezzi*

# PRODUCT LINES AND APPLICATIONS

## DESIGN AND ENGINEERING

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Our design and engineering department is the cornerstone of our turnkey solutions. We employ advanced CAD and simulation tools to create detailed plans that consider every aspect of the plant. Our engineers work closely with clients to understand their unique requirements, ensuring that the plant layout maximizes efficiency and productivity. We focus on ergonomics, energy efficiency, and sustainability, integrating innovative technologies to enhance overall plant performance.

## PROCUREMENT

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With a robust global supply chain, our procurement team sources high-quality materials and components essential for building reliable and durable plants. We have established long-term relationships with trusted suppliers, enabling us to secure the best materials at competitive prices. This strategic approach to procurement ensures that all components meet our strict quality standards and contribute to the plant's longevity and efficiency.

## MANUFACTURING

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Our state-of-the-art manufacturing facilities are equipped with the latest technology to produce critical components of the plant. Our skilled workforce, combined with rigorous quality assurance processes, ensures that every piece of equipment is built to perform reliably under the most demanding conditions.



*At Presezzi Extrusion Group, we pride ourselves on delivering comprehensive turn-key extrusion plants and complete casthouses. Our holistic approach ensures that every phase, from project inception to commissioning, is meticulously managed and executed.*

*Our complete plant layout service encapsulates design, procurement, manufacturing, project management, and commissioning, providing our clients with seamless integration and optimal performance.*

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## **PROJECT MANAGEMENT**

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Our experienced project management team oversees the entire lifecycle of the extrusion plant, ensuring that each phase aligns with the client's specifications and timelines. We coordinate all activities, manage resources, and communicate effectively to ensure that the project progresses smoothly and meets all milestones. By maintaining stringent quality control and adhering to international standards, we guarantee that the final output meets the highest levels of excellence.

## **ON SITE CONSTRUCTION, COMMISSIONING AND TRAINING**

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Once the plant is assembled on site, our commissioning team takes over to ensure that all systems are fully operational and meet the specified performance criteria. We conduct comprehensive testing and validation to guarantee that the plant operates efficiently and safely. Additionally, we offer extensive training programs for client personnel, ensuring they are well-equipped to manage and maintain the plant effectively.

## **AFTER-SALES SUPPORT**

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Our commitment to clients extends beyond the commissioning phase. We provide ongoing support through our customer care service, ensuring that the plant continues to operate at peak efficiency. Our service team is available for maintenance, upgrades, and any troubleshooting that may be required, offering peace of mind and ensuring the longevity of the investment.

## **TECHNOLOGICAL SUPPORT IN METALLURGY**

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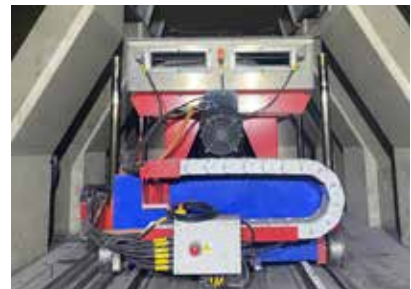
At Presezzi Extrusion, we provide advanced technological support in metallurgy to improve product quality and productivity. Our focus is on innovative solutions to reduce waste, optimize production, and lower costs. We resolve production bottlenecks, enhance extrusion speed and quality, extend die lifespan, develop procedures for extruding hard and non-standard alloys, and optimize cooling systems for extruded profiles.



## MELTING TECHNOLOGY

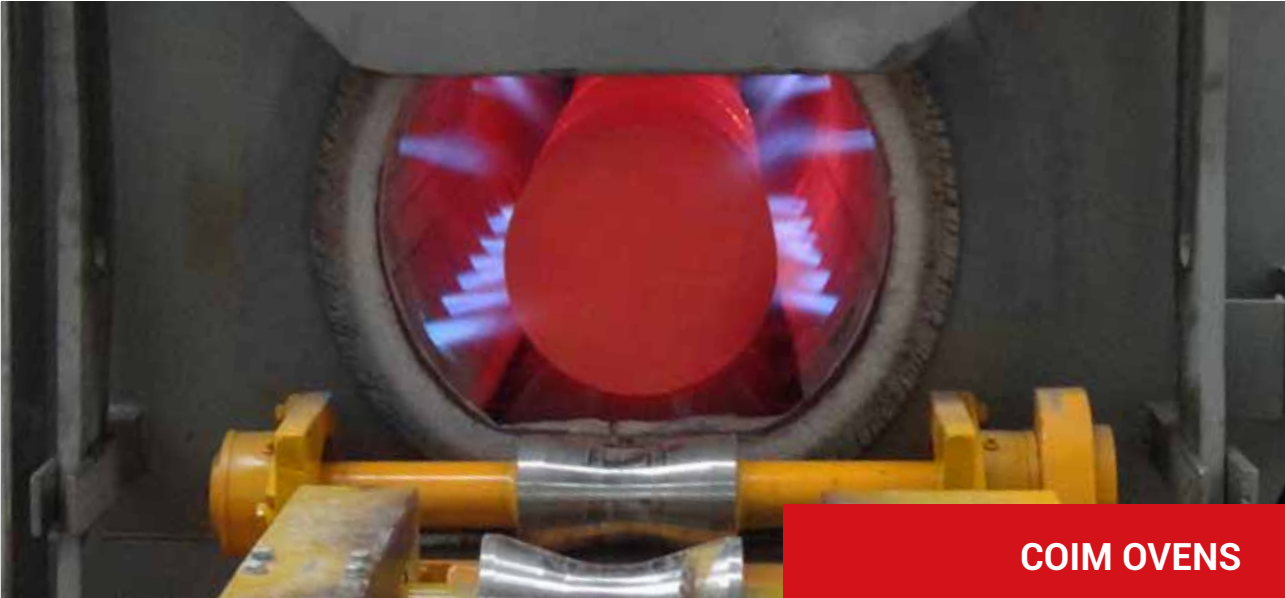
Melting Technology designs and supplies complete aluminum casthouses worldwide, offering state-of-the-art technology for melting furnaces and auxiliary equipment for metal treatment and process control. Our products are designed with the latest advancements in heating, insulation, and process control, ensuring maximum energy efficiency and minimal metal loss.

Our R&D department constantly works to push the boundaries of aluminum remelting and recycling, using combined thermo-magnetic technology to drastically reduce production costs and carbon footprint. Trust Melting Technology for advanced, tailored solutions to optimize your production processes.



L.E.C. Stirrer is  
EPD certified





**COIM OVENS**



**Excellence in Efficiency and Reliability** COIM ovens are recognized as the most productive, efficient, and reliable on the market. They represent absolute excellence in energy efficiency, precise heating, robust construction, and reliability. Key features include uniform heating, conical heating cycles, and long-lasting refractory materials. Our R&D department continuously improves energy-saving technologies, implementing innovative burner designs and efficient fuel usage. Given recent energy resource challenges, we have also developed high-convection heating technologies powered by electricity.



**Billet heater for non-ferrous metals is EPD Certified**





**ZPE ZERO POLLUTION ENERGY  
Permanent Magnet Billet Heater**

Prezezi Extrusion has developed the revolutionary ZPE (Zero Pollution Energy) magnetic billet heater to meet stringent environmental standards and lead the aluminum extrusion industry towards a cleaner and more efficient future.

The ZPE system is not just a regulatory response but a commitment to sustainability, born from a philosophy of **"building to last."**

It significantly reduces energy consumption and carbon footprint, offering over 82% energy efficiency and 50% reduction in CO<sub>2</sub> emissions (in comparison to conventional heating methods).

The compact design and quick installation make it an economical and versatile solution.



ZPE  
Permanent Magnet Heater  
is EPD certified







## EXTRUSION PRESS



Prezezzi Extrusion is at the forefront of the extrusion press sector, offering advanced and customized technological solutions to meet the specific needs of each client. Our extrusion presses stand out for their superior quality, continuous innovation, and reliability.



Each press is equipped with the most innovative energy-saving systems, including our state-of-the-art **PE. E.S.S. (Energy Saving System)**. This system significantly reduces energy consumption while maintaining or even improving output and the quality of the extruded profiles. We design and manufacture tailor-made presses, adapting to the specific requirements of our customers to optimize productivity and product quality. Additionally, we are committed to developing eco-friendly solutions that reduce environmental impact and promoting energy efficiency.



PE.E.S.S.  
Extrusion press  
is EPD certified



Our extensive experience and continuous pursuit of innovation allow us to offer extrusion presses that represent the best of Italian technology, supporting our clients in achieving their goals of production excellence.



**PACKING LINE AND  
AUTOMATIC STORAGE SYSTEM**

More than 40 years of experience accumulated worldwide has allowed us to plan, design and install widespread solutions regarding the automation of packing lines and storage systems for our customers in all four corners of the globe. The solutions we offer provide significant savings regarding overheads and labour costs as well as reducing the manpower involved in handling the profiles and finished products. Our packing lines and storage systems are often designed specifically according to our customers' requirements and their production requirements. Apart from reducing labour costs, special features can be used for handling particularly long or heavy products which are often part of a modern installation thus improving safety and ergonomics for the operators considerably.





**REVAMPING**  
 The best way to improve your existing plant

***At Presezzi Extrusion, we are committed to providing revamping solutions that integrate sustainable innovations and improve the efficiency of your extrusion plant. Our revamping package includes a series of interventions designed to optimize performance and reduce operating costs.***

**OUR REVAMPING SERVICES**

If your plant is still providing good service but needs improvements, our engineers will assess the current state and develop a tailored proposal. We offer complete revamping interventions or on specific components such as the container housing, main cylinder, front platen and hydraulic systems.

The revamping of the press with the installation of the Presezzi Extrusion Energy Saving System (P.E.E.S.S) is one of our most innovative solutions. This system reduces energy consumption by 15% to 35%, significantly contributing to the sustainability of your business, both during production and plant downtime, offering a dual benefit in terms of operational costs and environmental impact.

In addition to the P.E.E.S.S, we offer PLC and software upgrades to the latest technologies, ensuring more efficient and reliable production. The replacement of drives with latest-generation solutions elevates the performance of your machines to current standards of efficiency and reliability.

Furthermore, we conduct NDT tests to evaluate the structural condition of the press and forgings, ensuring long-term safety and integrity of the customer's equipment.



## DMS DATA MANAGEMENT SUITE AUTOMATION AND ADVANCED CONTROL

***In our plants, automation is at the core of every operation.***

***Thanks to highly automated systems, we have optimized production processes to ensure efficiency and precision.***

This automation has improved productivity and created a solid foundation for the implementation of innovative technologies like DMS.

**DMS is an advanced solution for the control and optimization of production processes. It provides a complete and detailed overview, improving efficiency, ensuring quality, and reducing operating costs.**

DMS captures detailed data on every aspect of the plant:

- Tracks the progress of production processes, cycles, and work phases in real time
- Effectively manages resources, asset maintenance, OOE

### **The benefits of DMS:**

- Reduction of operating costs (factory and resources)
- Improvement in production quality and traceability
- Advanced security with access profiling
- Optimized management of consumption and raw material storage
- Environmental sustainability
- High integration with other software (ERP, MES, etc.)

It optimizes resource allocation, maximizes productivity, and reduces waste. DMS records every step of the production process, ensuring quality and compliance with standards, and promptly resolves any anomalies, guaranteeing high-quality products. By analysing the use of personnel time, DMS improves operational efficiency and ensures data security.

The system manages multiple production processes simultaneously and accurately controls energy and resource consumption, reducing operating costs.

# OUR SERVICE WORLDWIDE

## ASSISTANCE

The mission of our After Sales - Service Team is to respond quickly and efficiently to all possible requests, in particular: maintenance and operational restoration and renewal of machines and systems. It offers first-level remote support, and if necessary, a second level is always ready to go on site, thus guaranteeing the continuity of work for extrusion plant operators. This organization ensures that the plants are always operational, maintaining high market competitiveness.



## MAINTENANCE CHECK-UP

The mission of our After Sales - Service Team is to be proactive by suggesting to our customers scheduled maintenance interventions based on production indicators and component lifetime, offering the experience and expertise of our manufacturers. Through these services, a process is triggered that helps extend the useful life of the plants and maintain a high level of operational efficiency. It is worth noting that through these interventions, the on-site technical staff is trained, educated, and/or updated.



## SPARE PARTS

The mission of our After Sales - Spare Parts Team is to provide and offer original spare parts. Our continuously expanding warehouse is the key strength because it allows us to minimize plant downtime. Thanks to optimized logistics processes, we ensure a quick and efficient management and shipment of the spare parts needed for the various plants. This approach not only minimizes downtime, but also ensures that critical components are always available when needed.



**PREZEZZI EXTRUSION NORTH AMERICA'S MAINTENANCE PROGRAM**  
offers 360° assistance across the USA, Canada, and Mexico.



With a team of highly qualified experts, we provide annual maintenance plans that ensure timely interventions and tailored solutions for every need. Our service covers the entire lifecycle of products, guaranteeing reliability and optimal performance. Trust us for continuous maintenance and dedicated technical support, always close to you.

# CONTACT US

ALWAYS CLOSE TO YOU

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## PRESEZZI EXTRUSION GROUP

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ESG  
Our commitment to  
**SOCIAL  
RESPONSIBILITY  
AND CHARITY**

Visit our  
**SUSTAINABILITY  
WEBSITE**



