

Extraordinary together



legor.com



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JTF 2026: a new era

Specialists in precious metals science

For 45 years, we have been transforming metals into alloys, powders and plating solutions of excellence for the manufacturing and aesthetic enhancement of jewelry and fashion accessories, guaranteeing our customers reliability, dedicated support, safety and high performance.



OUR RESPONSIBLE APPROACH

100%
RECYCLED
PRECIOUS
METALS
RJC CoC CERTIFIED

100%
RECYCLED
NON-PRECIOUS
METALS*
ISO 14021

rj RESPONSIBLE
JEWELLERY
COUNCIL
— CERTIFIED MEMBER —
0000 4831

CC CHAIN
OF
CUSTODY
— CERTIFIED NUMBER —
C0000 5299

Responsible sourcing

All the **precious metals** used in Legor Group S.p.A. (Gold, Platinum, Palladium, Rhodium and Silver) are **100% recycled** and come entirely from a **controlled supply chain** certified by Chain of Custody through the Responsible Jewellery Council. In addition, Legor is now able to guarantee that certain **non-precious metals** (Silicon, Tin, Indium, Cobalt, Gallium, Germanium and Copper) come **100% from recycled sources** for products pertaining to the **UNI EN ISO 14021:2021** certification obtained in October 2022.

An ethical choice ingrained in Legor's **DNA**, aligning with the production needs of a circular economy and the increasingly significant demands of future consumers.

*Only selected non-precious metals contained in UNI EN ISO 14021:2021 certified products

Certifications



ISO 9001 - *Quality Management System*

- Legor Group S.p.A. - Società Benefit
- Legor Group S.E.A.



ISO 14001 - *Environmental Management System*

- Legor Group S.p.A. - Società Benefit



ISO 14021 - *Environmental certification for recycled metal content (Recycled content)*

- Legor Group S.p.A. - Società Benefit



ISO 14064-1 - *Greenhouse Gas (GHG) Emissions Inventory (Carbon Footprint)*

- Legor Group S.p.A. - Società Benefit
- Legor Group S.E.A.



ISO 45001 - *Occupational Health and Safety Management System*

- Legor Group S.p.A. - Società Benefit



RJC COP

- Legor Group S.p.A. - Benefit Company
- Legor France
- Legor Group China
- Legor Group Hong Kong
- Legor Group S.E.A.
- Legor Group USA INC.



RJC COC

- Legor Group S.p.A. - Benefit Company
- Legor France
- Legor Group S.E.A.

Responsibility as a business approach

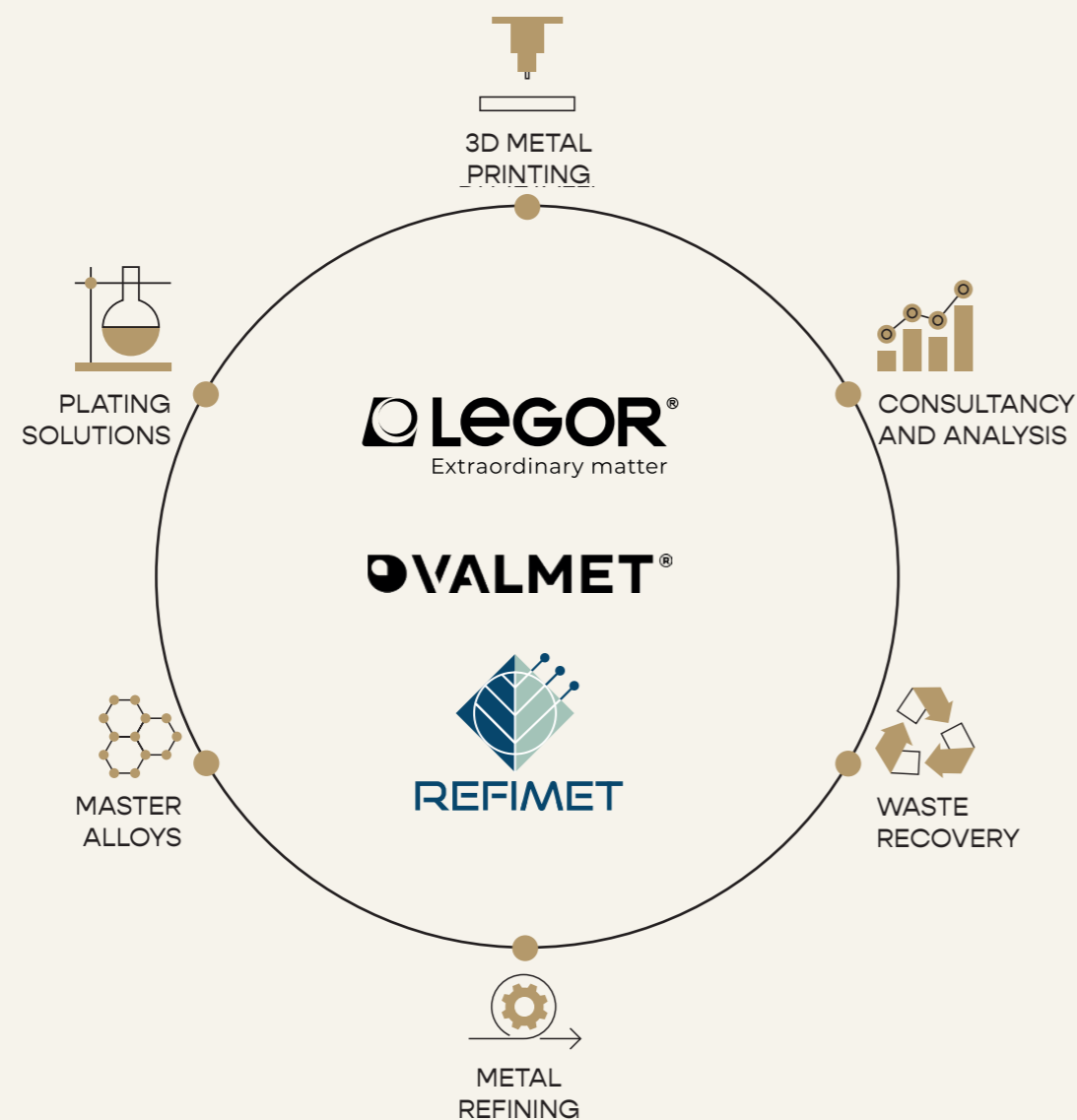
Responsibility, as a global concern for our Planet, is what guides Legor, every day, in its choices: from the gradual **reduction in waste and emissions** - by measuring our carbon footprint - to using **recycled and certified raw materials**, caring about the **well-being of our employees**, as well as taking action **to support the local community and environmental, social and sports associations** in the local area and beyond.

Since 2023, Legor has been a **Benefit Company**, formally and publicly embedding in its bylaws the commitment to generate a positive impact on society and the biosphere.

Through the publication of its **Integrated Report**, Legor is able to present, within a structured framework, the economic, environmental, social, and governance (ESG) aspects on which the company focuses, offering a transparent view of corporate performance and strategic capitals, and reaffirming its commitment to building a future in which economic development, social responsibility, and respect for the environment are fully integrated.

Download the full
Integrated Report!





EXTRAORDINARY SYNERGIES

Thanks to the **synergy** between **Legor**, **Valmet**, and **Refimet**, we offer complete, high-performance solutions across the entire precious metals value chain: from **alloys** and **plating solutions** to **recovery**, **refining**, and **reuse**. A technological and systemic approach that promotes concrete, traceable, and transparent circularity, serving the luxury industry and a more responsible future.

Together, Legor, Valmet, and Refimet are set to **redefine industry standards**, driving innovation and sustainability to meet the needs of the luxury and jewelry markets with excellence.

Recovery and Refining



REFIMET

**OVALMET[®]
REFINING**

Recovery of precious metals from various types of materials such as industrial (hazardous and non-hazardous) waste, jewelry waste, electroplating waste, and e-waste, all containing precious metals, for artisans and large companies, through certified processes that respect the environment, ensure full transparency, and include incoming analysis and outgoing reporting.

Waste disposal

**OVALMET[®]
ECOLOGY**

Consulting and services for the management and disposal of special waste generated by the leather goods industry, electroplating industry, mechanical workshops, jewelry industry, and construction sector, through tailor-made solutions that encourage recovery and promote a sustainable economy.

Master alloys and Plating solutions

LEGOR[®]
Extraordinary matter

**OVALMET[®]
PLATING**

At the core of the Legor ecosystem, metal science becomes tangible, real-world excellence. From alloys to plating solutions, we develop high-performance materials and treatments for jewelry, fashion, and industry. Each solution is the result of careful technological research, with a strong commitment to sustainability and the use of metals from recycled sources, ensuring beauty, functionality, and a responsible approach at every stage of processing.

3D Printing with Binder Jet Technology

LEGOR[®]
Extraordinary matter

With Metal Binder Jet technology, Legor opens the door to a new era in metal processing. This cutting-edge solution enables the production of complex and customized objects in Silver, Platinum, Bronze, and Steel, without molds or waste. Designed for high value-added sectors—from jewelry to fashion, and from industry to electronics—this technology combines design freedom, sustainability, and production speed, redefining the possibilities of additive manufacturing.





RESEARCH & DEVELOPMENT

The science of precious metals - the beating heart of our innovation

At Legor, we proudly define ourselves as **specialists in the science of precious metals**. This is not just a positioning statement - it is our **DNA**. We believe that excellence is born where metallurgy and chemistry meet creativity, and where technical expertise merges with vision. For this reason, the **true beating** heart of our company is the **Research & Development** department: the place where materials are studied, understood, and transformed into value for our customers.

Our R&D process is not a theoretical exercise, but a **rigorous journey** driven by continuous experimentation, in-depth analysis, and a constant focus on the future. We explore **new frontiers** and analyze **industry trends** with a single goal: working closely with you to develop **tailor-made solutions** that address real needs.

Legor makes its know-how and laboratories available to companies and professionals who, like us, want to actively contribute to the **evolution** of high-end jewelry, fashion, and industry.

How do we collaborate?

Through three fundamental pillars:

- **Customer-driven projects**, offering comprehensive support that includes innovative precious and non-precious alloys, customized electroplating solutions, advanced metal powders, and/or in-depth technical consulting.
- **Beta testing of Legor innovations**, for selected partners who wish to preview cutting-edge products and contribute to their refinement. Joining this program means gaining early access to advanced solutions, testing them directly in the field, providing strategic feedback, and actively contributing to their optimization prior to official launch.
- **Specialized technical consulting**, both for the optimization and support of products/processes already in use by the customer, and as hands-on assistance in the development of new productions - from requirements analysis to process parameter definition, through to industrial validation.

OUR R&D PROJECTS





MARKETS

Jewelry&Luxury

*Dive into the excellence of jewelry-making with Legor's meticulously crafted **alloys and plating solutions** tailored for the **luxury world**. Each product is the result of constant research and careful study of customer needs. With Legor, **metal transforms into an extraordinary material**, ready to bring unique creations to life, shaped with artisanal mastery and timeless elegance.*

ALLOYS

The essence of jewelry

Legor alloys represent the heart of jewelry creation, combining aesthetic excellence with technical performance to provide the ideal foundation for strong, durable pieces that preserve and express their beauty over time.



SPECIAL PRODUCT

Legor Excellence

SILNOVA®



The most iconic creations for high jewelry, selected and endorsed by the most exclusive luxury brands on the market, symbolizing expertise and innovation

930‰ Silver alloy enhanced with Palladium

An exclusive 930‰ **Silver alloy** enriched with **Palladium**, a noble and precious element. Its innovative and groundbreaking formulation gives creations a distinctive **brilliance** while ensuring exceptionally **high resistance to oxidation**.



Unique white colour
and long-lasting shine



Oxidation-resistant,
comparable to 9 kt
white gold



Made with 100%
recycled metals



Wear resistant



Antibacterial and
hypoallergenic

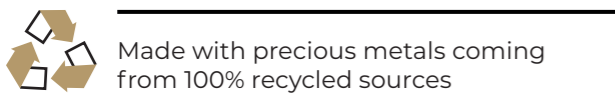
NICKEL-FREE WHITE GOLD ALLOYS



Master alloys for White Gold with Palladium base

The market's shift towards nickel-free solutions for jewelry and accessories is now a well-established trend, driven by major brands and increasingly valued by consumers. In this context, Legor has perfected completely **nickel-free White Gold alloys**, designed for all karatages and production processes.

Compared to traditional White Gold alloys (which contain nickel), Legor's nickel-free **White Gold alloys with a Palladium base** deliver **superior performance**. They help **reduce defects** during casting, **melt at lower temperatures**, and provide **better results across a wide range of applications** compared to other alloys available on the market.



Made with precious metals coming from 100% recycled sources



Available in various karatages



Suitable for any applications



Manufactured to the highest quality standards

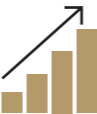
ANDROMEDA



950‰ Platinum alloys in ready-to-use drops

The new family of **950‰ Platinum alloys in ready-to-use drops** form enables jewelry manufacturers to craft pieces **more easily right from the first use**. Compared to sheet format, the drop is **easier to weigh**, allows for a **higher load volume**, and **reduces melting time by 20%**. This ensures **increased productivity and fewer impurities**, thanks to an innovative production process.

Among the different solutions within this family, **thanks to collaboration with some of the most prestigious and exclusive high jewelry brands**, Legor's R&D laboratories have developed the **ANDROMEDA-RUS2 alloy**. This alloy **reduces the risk of brittleness and porosity**, ensures **better fluidity and greater deformability**, while allowing for the creation of **objects with a more compact and brilliant surface**, significantly reducing finishing times.



+25% load volume for a higher productivity



Melting time reduction by 20%



Less pollution due to an innovative production process



High performance in terms of hardness and color



With precious metal from 100% recycled sources

SPECIAL PRODUCT

From yellow to red: shades of refined elegance

Yellow and red alloys that celebrate the elegance of Gold jewelry. Made with recycled precious metals, they combine vibrant colors, excellent performance, and versatility for timeless creations.



MODERN ELECTRUM™



The exclusive alloy inspired by ancient tradition and crafted with precious metals, for jewelry with a timeless aesthetic. Nickel and Copper-free.

A perfect synthesis of tradition, elegance, and modernity, Modern Electrum™ is an **exclusive alloy inspired by "Electrum" the ancient gold-silver alloy** renowned in the times of the Egyptians, Greeks, and Romans for its timeless aesthetic.

Composed of **precious metals** - including Gold, Silver, and PGMs (Platinum Group Metals) - RJC- and CoC-certified and sourced **100% from certified recycled sources**, Modern Electrum™ also incorporates **fully recycled non-precious metals**, making its composition sustainable and traceable in every element. The alloy delivers high performance in production processes, excellent mechanical properties, and enduring brilliance.

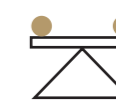
To enhance resistance to wear and oxidation, Legor has developed **unique, dedicated plating cycles** - REACH compliant and free from nickel, cobalt, and cyanides - made exclusively with precious metals, **enabling white or yellow finishes** ideal for long-lasting jewelry.



Made with precious and non precious metals 100% from recycled sources



High resistance to oxidation



Harmonious balance between luxury and environmental responsibility



High technology in the alloy production process



Durability and legacy, a fusion of tradition and innovation

GOLD LINE




AURORA




Master alloys for Yellow Gold for crafting jewellery of distinction


Legor offers a **wide range of Yellow Gold master alloys suitable for any application**, the result of blending carefully selected metals with our many decades of expertise in the metallurgical field. It's a synergy that yields a master alloy of **unrivalled purity** and **consistency**, guaranteeing jewellery manufacturers a starting material of the highest quality with which to craft their creations.




Color shade from 1N to 3N




Large selection of gold master alloys ideal for different carats



Suitable for any application




Easy to use right from the first casting




Manufactured to the highest quality standards

Master alloys for Rose Gold


Inspired by the romantic rosy hues of dawn, **AURORA** is the new family of pink alloys developed in Legor's R&D laboratories. **Made with 100% recycled precious metals** of high purity, these alloys stand out for their particularly radiant **5N red color**.




Color shade from 4N to 5N




Reduced brittleness issues




Lower final surface roughness



Excellent performance in reuse



Universal alloys: suitable for continuous casting and investment casting



No compromises on performance and color

PLATING SOLUTIONS

Aesthetic enhancement of jewelry



Legor plating finishes enhance the beauty of jewelry by combining aesthetic refinement with uncompromising protection.

NEW

Smart precious finishes for jewelry

A range of precious finishes designed for bold creations, developed using innovative technologies and 100% recycled materials. Respectful of both the environment and people.

AURALIS



The 18kt thick gold-plating family where aesthetics and performance meet optimized gold content for a cost-saving solution

Auralis is Legor's new family of gold platings, developed to meet the needs of a constantly evolving market. Available in two shades - **intense yellow** and **rose gold** - Auralis deposits a coating with **an equivalent fineness of around 18kt**, made from an alloy containing **75% Gold** and **25% selected metals**. The result is a **thick**, flawless-looking gold finish, with **significant precious-metal savings** compared to traditional solutions.



Smart Gold saving



Resistant to wear and oxidation



High hardness (400-450 HV)



Ideal for a wide range of heavy-plating application



Available in two tones

NEW

TERRA GOLD



Cyanide-free Gold plating family, with no compromises for health or the environment

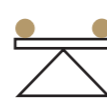
Legor's new **cyanide-free Terra Gold plating family** is formulated to be safe for both the environment and plating operators, while delivering outstanding aesthetic and technical performance on jewelry. Available in **four refined shades** - **24kt** (rich yellow), **6N** (rose), **2N** (classic yellow), and **pale yellow** - this electrolyte ensures uniform, durable, and brilliant finishes. Ideal for sustainable, modern production that complies with even the strictest regulations.



Non-toxic



Safe for workers and environmentally responsible



Consistent, stable performance



Compliant with regulatory standards



Wide color range

DARKBOND



The black intermediate layer that ensures superior resistance and durability for high-end dark finishes

DarkBond is an innovative electroplating process developed by Legor to serve as a **gunmetal-colored intermediate layer, applied on the base metal before the final black finish** selected by the customer. It acts as a protective barrier against oxidation and tarnishing – common issues in jewelry applications.



Applicable as flash



Excellent abrasion resistance



Color tone L 60



Hardness 650 HV



Free from nickel and ammonia compounds



Compatible with premium black finishes



MARKETS

Fashion & Decorative

Discover the excellence of Legor products for the Fashion & Decorative world, born from market insight and the dedication of our R&D laboratories. From decorative **plating solutions** that combine aesthetics and durability to **non-precious copper-based** alloys such as Brass, Bronze, and Alpacca, Legor products ensure **quality and sustainability**, transforming every accessory into an exclusive creation.



PLATING SOLUTIONS

Elevating the identity of
fashion accessories

Legor plating solutions give fashion accessories high-impact, high-quality finishes, while ensuring resistance and durability in step with the fast pace of fashion.

From Palladium to Gold: next-generation finishes

Made with recycled precious metals, these solutions deliver advanced finishes that combine aesthetic appeal, high performance, and optimized use of precious metals.

PDSTARK

The cutting-edge Palladium plating process

PDSTARK is the family of **Palladium-based plating processes** - with 100% recycled precious metal and **mostly free from ammonia** - that allows for a **whiter, more brilliant and less porous deposit** compared to traditional Palladium baths.



Next-generation Palladium formula



Made with Palladium 100% from recycled sources



Complete absence of free ammonia



pH stability and ease to use

STRONGOLD

The acid gold plating process for fashion accessories with thicknesses up to 3 microns

STRONGOLD is an **acid gold plating** process capable of lending fashion accessories a **brilliant gloss finish** in a **range of colours** which meet **international standards** (ISO 8654).

STRONGOLD is **also available in a Rose shade**, featuring an **18kt gold deposit thickness**, particularly suitable for decorative applications that require a high-hardness gold coating capable of reaching **thicknesses of up to 2-3 microns**. Gold is co-deposited with copper to obtain an alloy with an 18-carat fineness, enabling significant production **cost savings** without compromising the performance of the deposit.



Gold color from 0.5N to 6N



100% hypoallergenic



Abrasion and corrosion resistant



Thickness up to 3 microns









Free from cyanide, lead and cadmium

Precious black finishes

A range of precious finishes in deep, intense black tones, also suitable for vintage effects, designed for bold creations and developed using innovative technologies and 100% recycled materials.






ANTIQUA

The family of vintage-style precious finishes for fashion accessories

 <p>Vintage and antiqued effect</p>	 <p>Nickel, Lead and Cobalt-free formulation</p>	 <p>REACH compliant</p>
 <p>Easy handling for the galvanic operator</p>	 <p>Process stability</p>	 <p>Easily removable</p>

JETBLACK

The Ruthenium-based solution for titanium grey to intense black accessories

 <p>Titanium grey to intense black color</p>	 <p>Made with Ruthenium coming from 100% recycled sources</p>	 <p>Excellent color stability</p>
 <p>Easily removable</p>	 <p>Ideal for Bi- and Tri-color electroplating treatments</p>	

ULTRABLACK

Extra-black decorative Ruthenium electrolytic solution

 <p>Intense black color</p>	 <p>Made with 100% recycled Ruthenium</p>	 <p>Arsenic-free formulation</p>
 <p>Tarnish resistant</p>	 <p>REACH compliant</p>	 <p>Blackening agent in salt form</p>

ALLOYS

Material becomes style



Legor alloys for the fashion industry - from eco bronzes and brasses to alpaca and other dedicated families - define the character of each accessory, ensuring reliable workability and an aesthetic aligned with contemporary trends.

BRASS AND BRONZE



Ready to use alloys from recycled sources

To create Brass and Bronze fashion accessories that respect the environment, Legor decided to use **non-precious metals from recycled sources** to manufacture its UNI EN ISO 14021 certified **ready-to-use alloys**.




Made with metals coming from recycled sources




High purity




Compliant with regulations



Same technical specifications compared to standard products



Equal performance compared to standard products



Free of Lead, Cadmium or other harmful elements

WHITEEVO



The innovative nickel-free white bronze for refined, long-lasting accessories


WhiteEvo is Legor’s **new nickel-free white bronze**, designed for fashion accessories that combine **lasting durability with refined style**, evoking the elegance of precious metals. With its distinctive **white color**, WhiteEvo represents a true **evolution in the world of traditional bronzes**.




Nickel-free




White color (yellow index lower than a normal alpaca alloy - yellow index= 15)



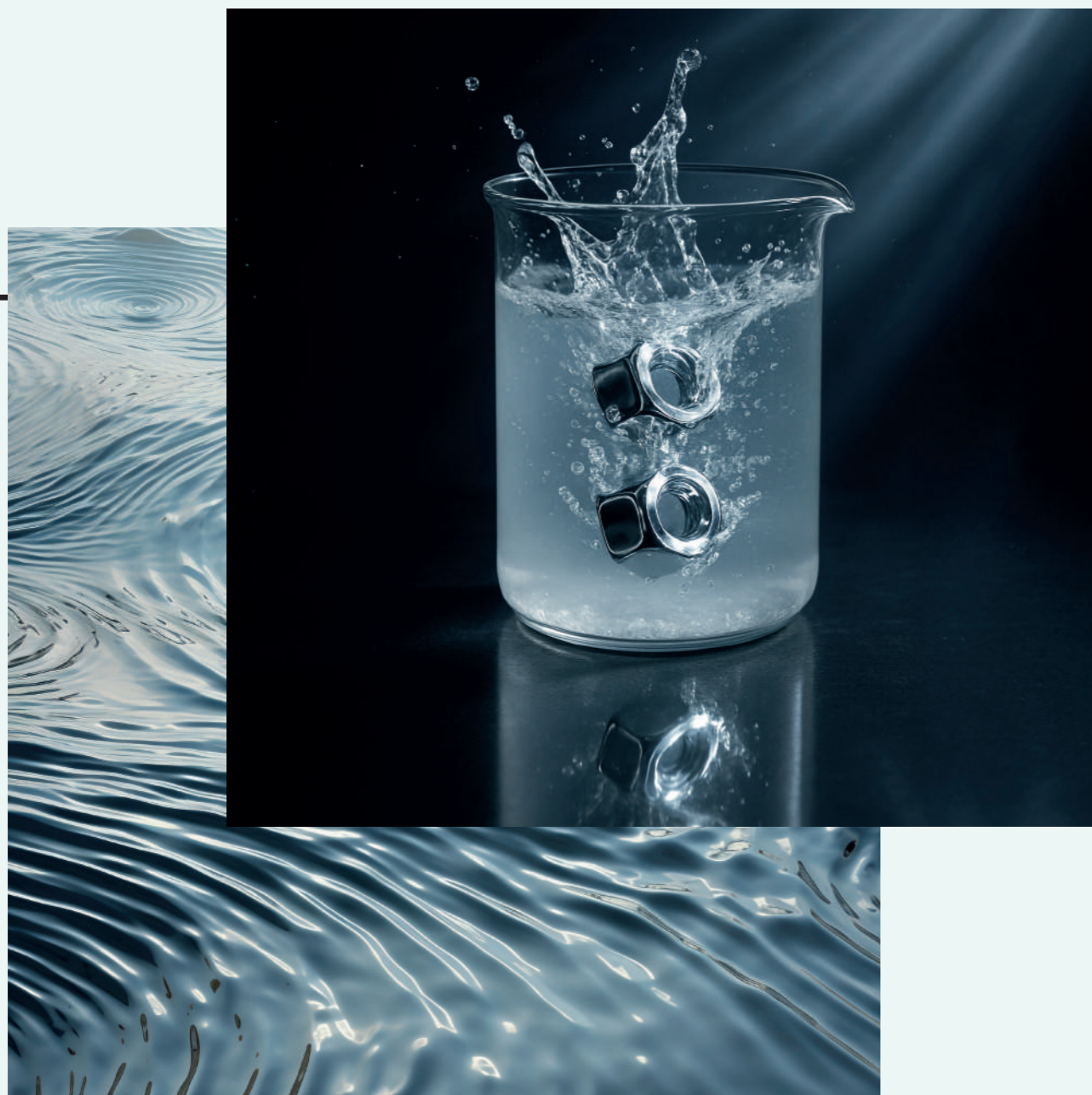
High reusability in casting



Ease of processing and fluidity



Resistant to oxidation and corrosion



MARKETS

Industrial Coatings

Speciality chemicals for industrial applications

*With over 45 years of experience in metal science, Legor takes a decisive step toward establishing itself as a leading global chemical supplier in the surface treatment sector with the launch of **Legor Industrial Coatings**, a **new business unit** entirely dedicated to its **plating solutions for industry**.*

Our essence is Chemistry

This strategic choice stems from a clear vision: to bring the technical excellence and quality already recognized in the Fashion & Jewelry sector to other highly technological industrial markets as well, such as **automotive, electronics, mechanics, technical tooling, medical**, and beyond.

In this context, the new website legorindustrialcoatings.com is not merely a digital showcase, but a manifesto of Legor's ambition to expand its scope, offering **high-performance plating solutions designed to meet the highest standards of quality, reliability, and innovation required in industrial applications.**

In a context where sustainability, traceability, and material performance are becoming increasingly central, Legor positions itself as a **global technical partner**, capable of supporting manufacturers in the selection and implementation of efficient, durable, and responsible surface treatments.

Product lines



Pre-Treatments Line



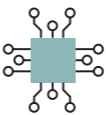
Decorative Line



Industrial Line



Post Treatments and Auxiliaries



Electronics

DISCOVER ALL
AVAILABLE SOLUTIONS!





3D METAL HUB

Legor's metallurgical expertise and experience come together with our relentless pursuit of **innovation** in the 3D Metal Hub. This center of excellence specializes in **Binder Jetting (BJ) additive manufacturing** and was created with the mission of offering a sustainable and flexible production process, capable of shaping components in **Steel, Silver, Bronze, and Platinum**, as well as **Gold** and **Titanium** on request, and of overcoming the limits of traditional manufacturing.

The Binder Jetting Technology

Binder Jetting is a **powder-bed 3D printing technology** offering unprecedented **design freedom**. This innovative process **revolutionizes traditional manufacturing** by shortening the supply chain and reducing development time. By eliminating the need for molds and tooling, it allows for greater production agility and a more sustainable approach.

Key Benefits



Design freedom



No support required



High productivity,
optimized costs



Wide material
compatibility



Powder reusability



Fast prototyping

Thanks to collaborations with leading industry players and its **partnership with HP**, Legor makes the advantages of additive manufacturing available for the development of new solutions across a wide range of sectors, combining flexibility and creativity with optimized productivity - **from luxury and fashion to automotive and industry, and extending to medical, design, and sports.**



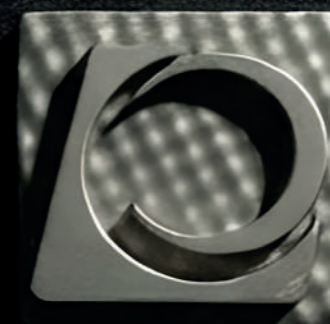
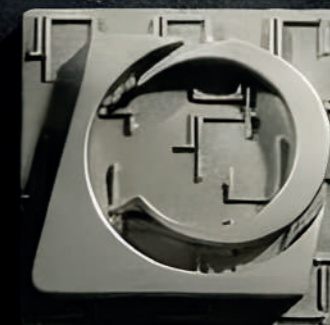
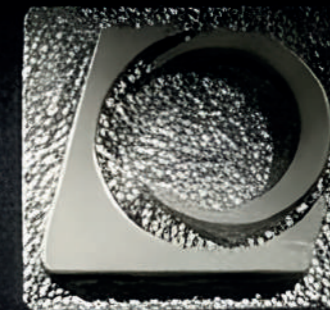
PUNTOZERO
Design for Additive Manufacturing

XYZ
BAG
.com

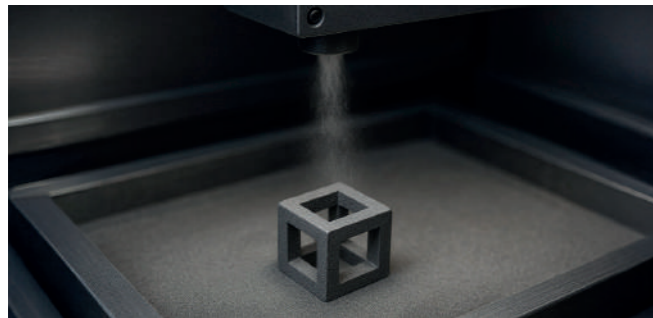
INDIGO
RUNES

IED

LEM
INDUSTRIES

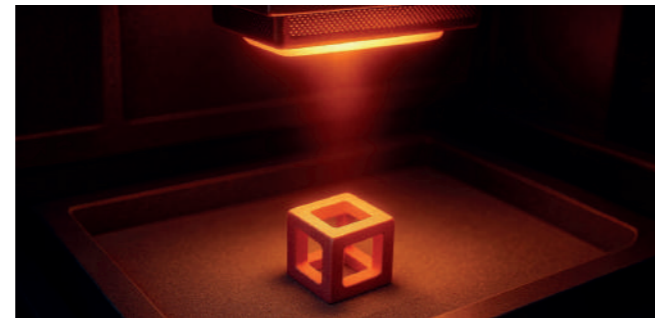


PRINTING SERVICE



From design to the finished part, we manage both prototypes and series production.

SINTERING SERVICE



Thermal treatment of green parts from external sources.

R&D AND CONSULTING



New material development (e.g., gold, titanium), validation, and testing.

METAL POWDER SALES



Supply of premium powders for additive manufacturing.

Application fields



Luxury and Fashion

Jewelry, accessories, eyewear.

Silver, Platinum; Gold (on request); R&D projects



Automotive and Industrial

Functional and technical components.

Steel (316L, 17-4PH); Titanium



Medical and Biomedical

Surgical tools.

Steel (316L, 17-4PH); Titanium



Design and Consumer Goods

Furniture and lifestyle items.

Steel (316L, 17-4PH); Titanium



Sport and Leisure

High-performance components

Steel (316L, 17-4PH); Titanium

Legor 3D Metal Hub services: creative freedom beyond boundaries

Beyond the concrete production opportunities offered in terms of agility and sustainability, the aim of the Metal Jet 3D printing service is to **encourage an increasing number of players in the manufacturing sector to rethink the entire production process, revolutionizing every stage - both in the physical making of objects and in their conception, design, and aesthetic enhancement.** It is an invitation to think beyond the ordinary, outside conventional boundaries, to shape the future through innovative methodologies in an increasingly dynamic and evolving market.

DISCOVER LEGOR
3D METAL HUB





The future is now.

*Additive manufacturing enters
the heart of the jewelry and
luxury industry*

On the occasion of its **21st anniversary**, the **Jewellery Technology Forum** (JTF) **reinvents itself** and looks decisively toward the future of the jewelry and luxury industry. A new beginning that will take shape at the next edition of **VicenzaOro – September 2026**, where **Legor** will once again play a leading role at **T.Gold**.

This is not merely a content update: **JTF 2026** evolves into a **strategic platform** dedicated to a disruptive and crucial topic for the evolution of jewelry manufacturing:

Additive Manufacturing for jewelry, watchmaking, and - to a lesser extent - **fashion accessories**.

A new format, a new audience

JTF moves beyond the traditional technical-academic symposium format to become a dynamic forum, strengthening its positioning as a benchmark event for technological innovation in the jewelry and luxury sector, with the aim of engaging:

- Additive manufacturing technology providers, including major global players
- Companies through the presentation of case studies from organizations that have successfully integrated these solutions into their production processes
- Designers, brands, production managers, entrepreneurs, and industry innovators

The goal is clear: to bridge the gap between R&D and industry, transforming the Forum into a hub of tangible content and strategic vision for the entire luxury value chain, through practical and multidisciplinary contributions. From the world's leading additive technologies to real case studies, with a focus on materials, design, and processes, and the participation of key industry players.

Legor: pioneers in AM

Legor believed in the potential of Additive Manufacturing from the very beginning, particularly in **Binder Jetting technology**, in which it has been making structured investments for **years through research** and **hands-on experimentation** within the Legor 3D Metal Hub.

Participation in JTF 2026 reaffirms our role as **catalysts for change** and a benchmark for innovation.

