



Legor Journal 2024

45 years of Precious Connections

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45 years of Precious
Connections

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Our responsible
commitment

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Brand Identity

To our collaborators, clients and partners

We are thrilled to announce that this year marks Legor's first 45 years of history: a precious milestone that holds immense significance for us.

Every single step of this long journey has been made possible by the dedication and commitment of the individuals who are part of the Legor family, our clients, partners and stakeholders who have shared this extraordinary adventure of innovation, quality, and mutual trust.

As we thank each one of you for contributing to co-authoring this remarkable story alongside us, we look to the future with renewed enthusiasm, ready to pursue new horizons together.

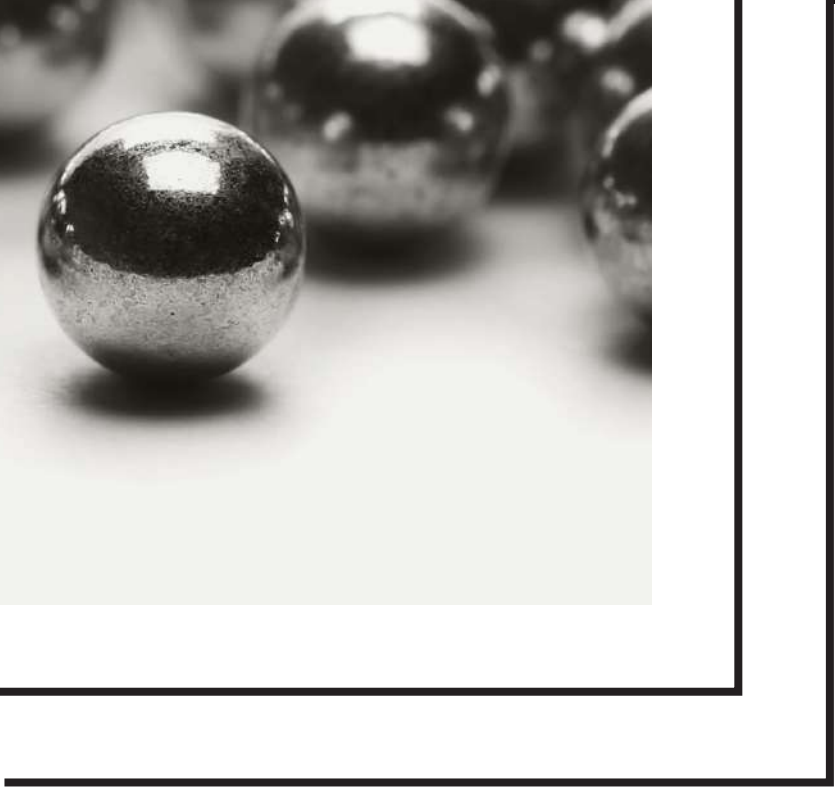
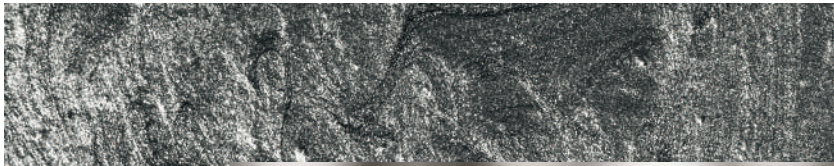
Poliero family

Precious Connections

As a crowning achievement of this success, **Gianni Poliero** - Founder of Legor and now Honorary President of the Group - has chosen to leave a legacy of Legor with a **book** titled '**Precious Connections**'. This book tells its history, serving as a testament to a virtuous journey meant to inspire reflection, especially for the young individuals who are currently choosing

and constructing their own futures.

A collective novel, a **family story**, but above all, an interweaving of lives - a culmination of **encounters** and **relationships** that even **collaborators**, **clients**, and **partners** have contributed to creating. Precious Connections where experiences were lived, then fused and shared in common.

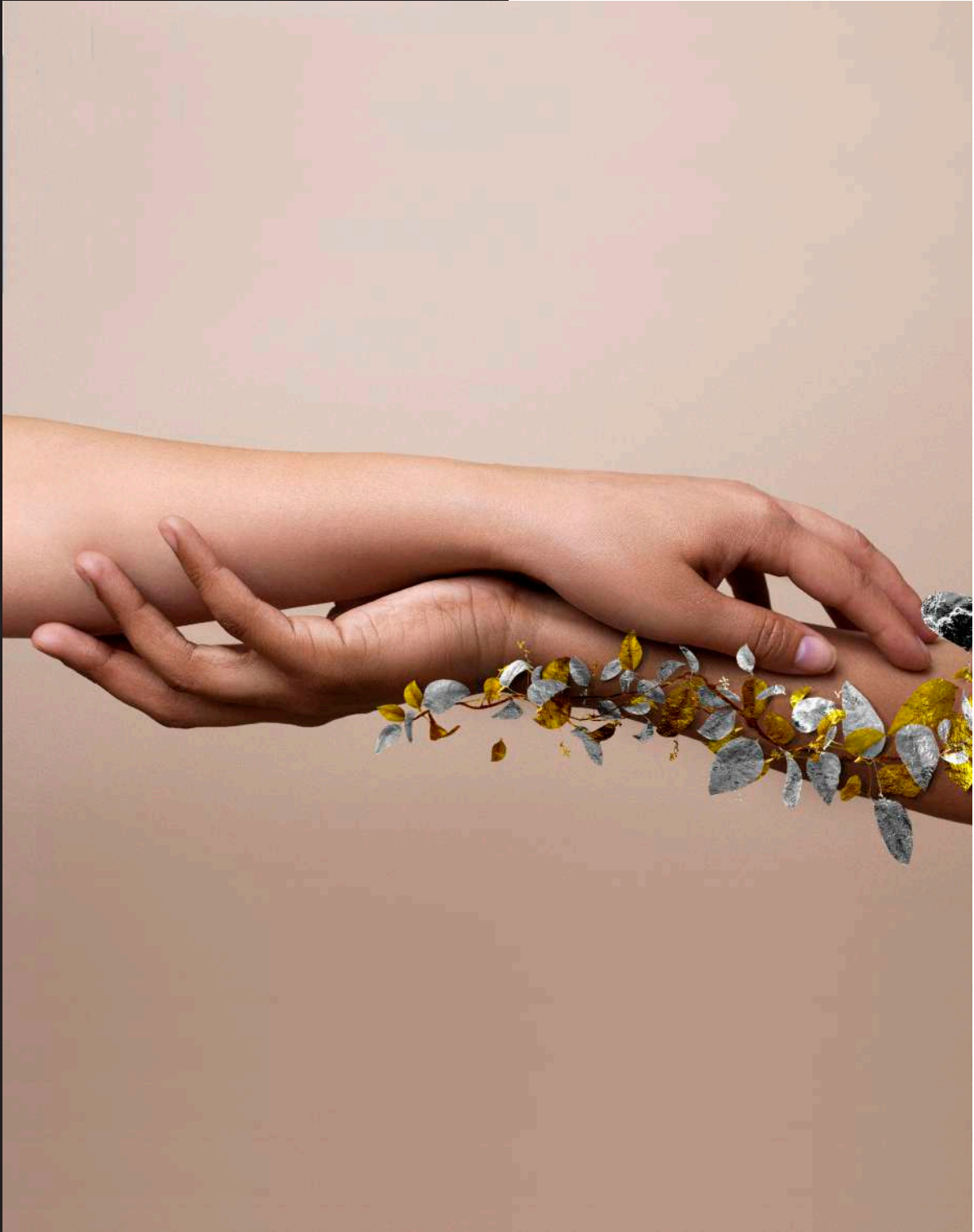


Specialists in precious metals science

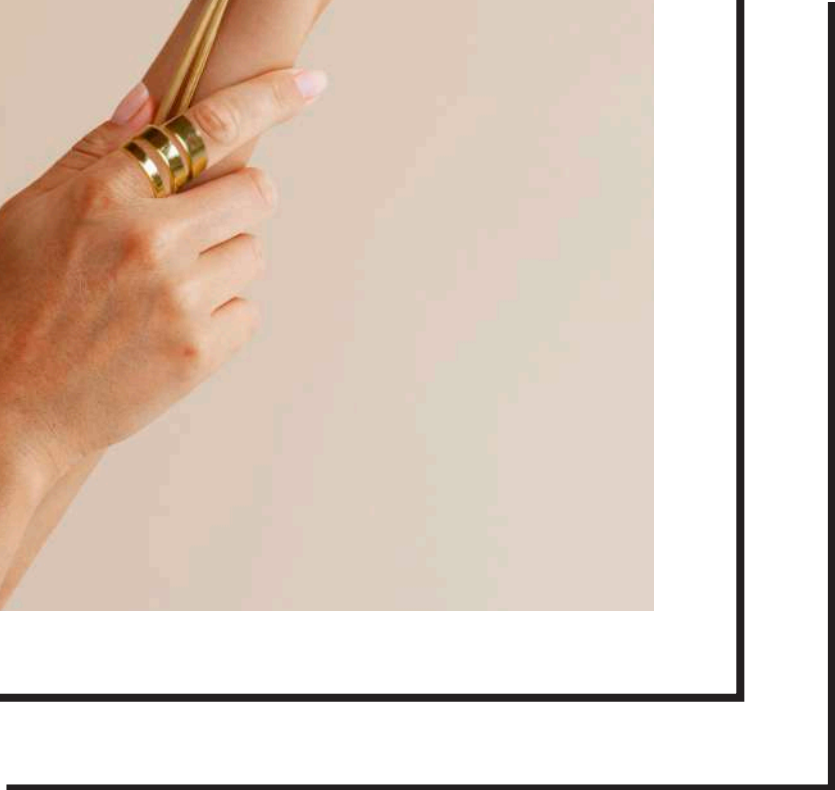
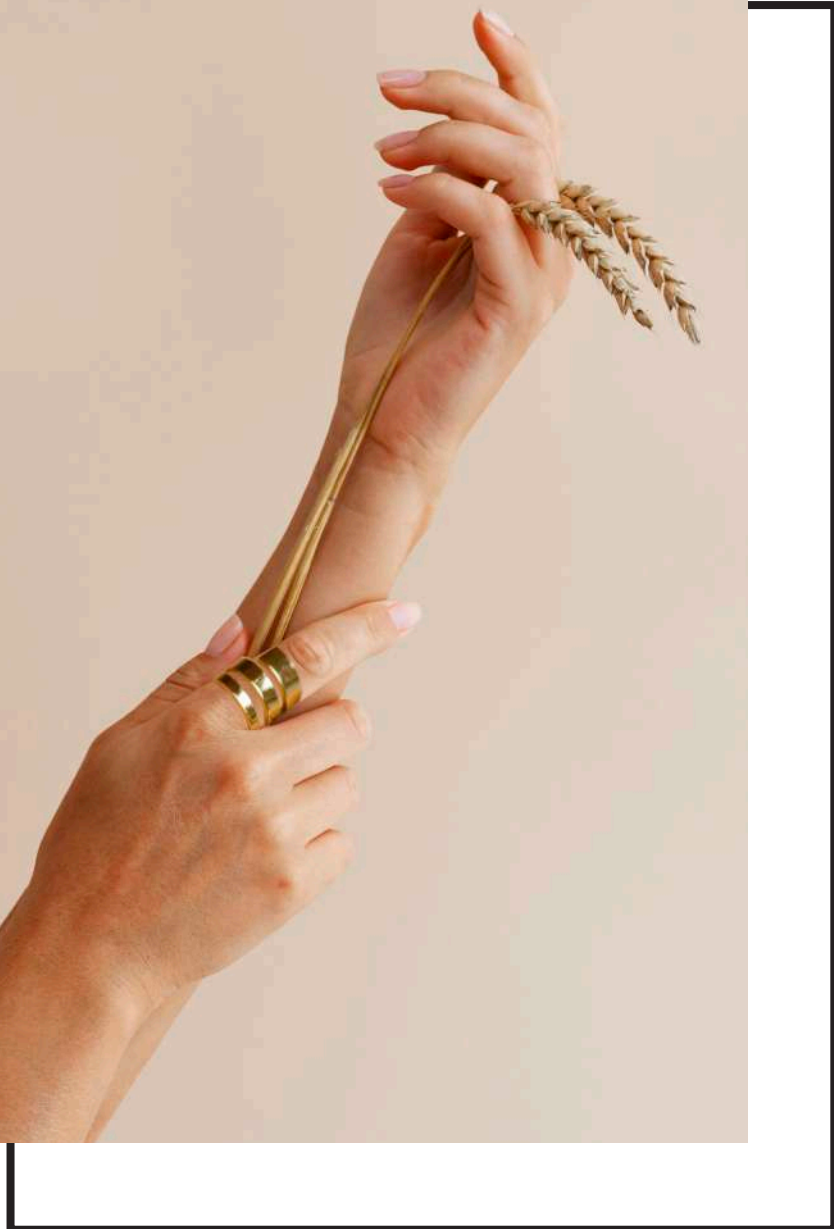
For 45 years, we have
been transforming **metals**
into alloys, powders and
plating solutions of
excellence for the
manufacture of **jewellery**
and fashion accessories,
guaranteeing our
customers reliability,
safety and high
performance.

Our Responsible commitment

We strongly believe that the way to demonstrate our responsibility towards future generations is by choosing a **responsible approach** to both the **Planet** and its **People**. An approach spanning more than forty years. A story in which passion, tradition, innovation and responsibility come together in synergy.



OUR RESPONSIBLE COMMITMENT



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 in its Chain of Custody by 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

Legor is a Benefit Company

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 its carbon footprint – to using **recycled and certified raw materials**, caring about the **well-being of its employees**, as well as taking action to **support the local community**

and environmental, social and sports associations in the local area and beyond.

In **2023**, Legor is proud to announce its **change in status to a Benefit Company**, by including a public and official commitment to having a positive impact on society and the biosphere, in addition to the purpose of pursuing profit.

Sustainable synergy: the partnership between Legor and Refimet

Through the **partnership** with **Refimet** - a company certified by RJC and CoC, of which PH Investments (the holding company of Legor Group) acquired 74% in 2023 - **Legor** offers its customers a comprehensive service. This spans from the **recovery** and **refining of precious metals** primarily sourced from e-waste and industrial

scraps, ensuring their **100% recycling**, to their subsequent transformation into finished products like master alloys and plating solutions.

Circularity, traceability, transparency, and **direct supply chain control** form the cornerstones of this sustainable synergy, aiming to promote a more responsible future in the luxury industry.





E-WASTE AND SCRAPS FROM GOLDSMITHING AND INDUSTRIAL PROCESSES



JEWELRY AND FASHION ACCESSORIES

made with 100% precious metals from industrial scraps and e-waste



REFIMET

recovery and refining of precious metals

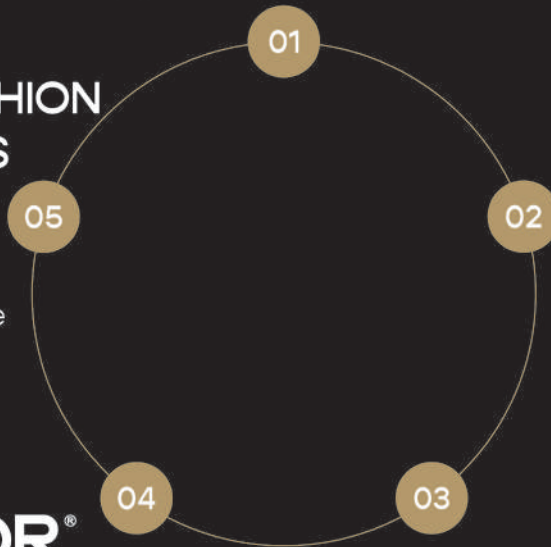


MASTER ALLOYS AND PLATING SOLUTIONS

with precious metals 100% from recycled sources



PRECIOUS METAL FROM INDUSTRIAL SCRAPS AND E-WASTE



Jewelry & Luxury

Dive into the excellence of jewelry-making with Legor's meticulously crafted **alloys** and **plating solutions tailored for the luxury world**. Shape **your creations** with bespoke solutions, molding metal with **precision craftsmanship** and **refinement**.



JEWELRY & LUXURY



Master alloys and plating solutions for elegant and contemporary jewelry capturing light in a dazzling brilliance

GOLD LINE

Master alloys for White Gold

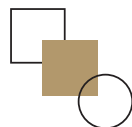
Legor's master alloys for White Gold are the result of a sophisticated blend that bestows unique qualities upon creations: from **durability** to **brilliance**, ensuring a stunning, enduring white hue.

Among these, there are also **master alloys for premium white gold at 750‰ (18 Kt) nickel-free, based on Palladium**, ideal for universal use: easy to use, with a low melting point and high density for excellent color quality.

Recommended products: NF511, NF510, NF514



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

RODHIMUM

The Rhodium solution for a unique whiteness and brilliance

The easy-to-use Rhodium plating process ensuring excellent performance, delivering both superior white color quality and deposit uniformity.

Recommended product: RH2XL



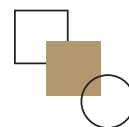
Ready-to-use



Excellent distribution of the deposit



Superior quality (L>90) white color



Ideal for objects with variable shapes



Anti-burn technology



Master alloys and plating solutions for jewelry with a strong identity, characterized by the harmonious blend of white and yellow gold

GOLD LINE

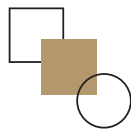
Master alloys for Yellow Gold

Legor's master alloys for Yellow Gold (**ranging from 1N to 4N**) embody both artisanal excellence and scientific precision, skillfully balancing the physical and aesthetic properties of metals. The meticulous selection and combination of components result, once fused with pure gold, in durable jewelry pieces, featuring a compact and shiny surface, ranging from bright yellow to highly luminous rose gold. This family includes **universal alloys for 18kt gold**.

Recommended products: A182N, A183N, A184N



Large selection of gold master alloys ideal for different carats



Suitable for any application



Shades from 1N to 4N



Easy to use right from the first casting



Manufactured to the highest quality standards

ECOLUXEPAVÈ

The Cyanide-free two-tone pavé coating process for sparkling chains

ECOLUXEPAVÈ is the new Cyanide-free two-tone pavé **coating process** designed to create luminous chains with white and yellow gold coloration.



Cyanide-free



Process reliability



Room temperature operation

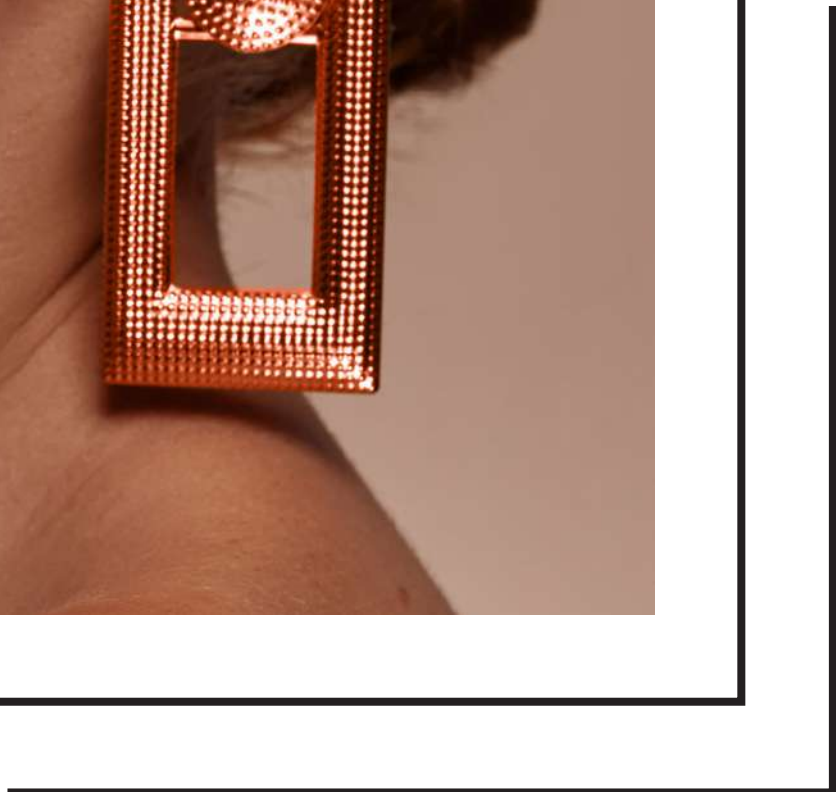
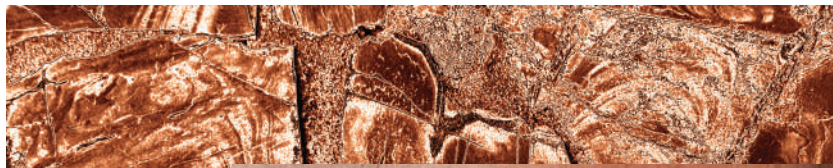


Enhanced productivity (reduced processing times)



Cost-saving

JEWELRY & LUXURY



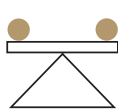
Master alloys and plating solutions for exclusive jewelry with a unique and vibrant personality

ANTARES

Master alloys for Red Gold

Antares is Legor's family of master alloys for Red Gold (6N), the result of extensive work by the R&D team, enabling the creation of jewelry with intense red hues and timeless elegance, ensuring **improved performance** in mechanical work and **minimal loss after melting**.

Recommended products: ANTARES-01, ANTARES-02, OR134



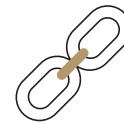
More stable end product



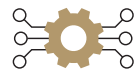
Made with precious metals coming from 100% recycled sources



6N shade



Enhanced durability, meaning less prone to breaking



Suitable for casting and mechanical processing

GF SERIES

Strike and Flash Gold plating solutions

Flash gilding solutions for jewelry - completely **free from Nickel, Lead and Cadmium** - enable the attainment of **uniform, glossy, and brilliant deposits** across a wide range of colors.

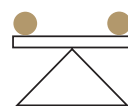
Recommended products: GF6N.1L, GFRED-ECO.1L



Pure gold colors and from 1N to 6N



Thicknesses up to 0.2µm

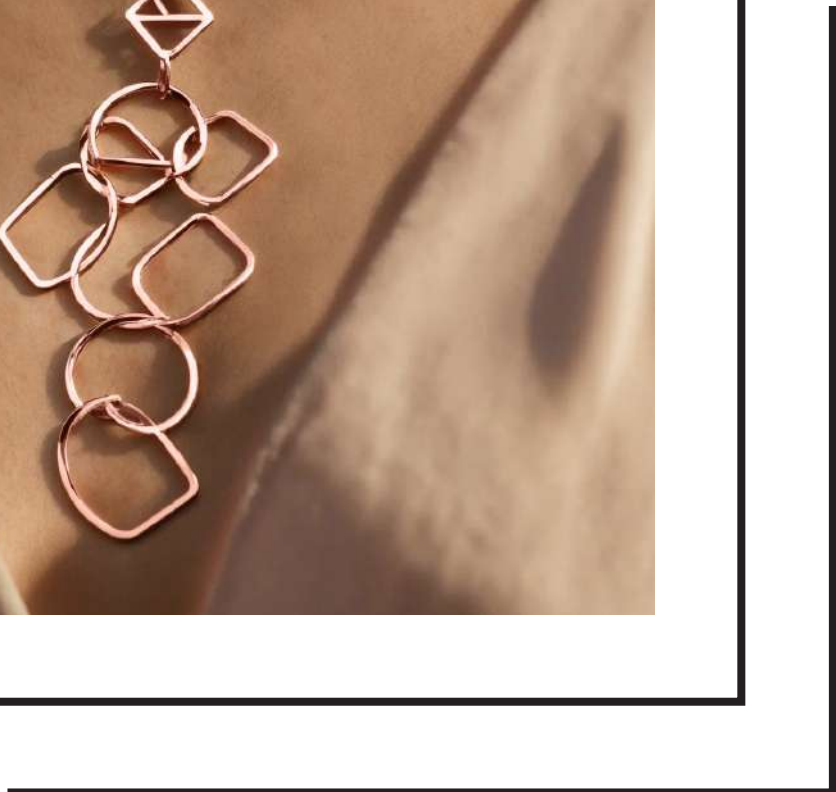


Long-term color stability



Ease of use

JEWELRY & LUXURY



Master alloys and plating solutions for jewelry with enchanting and feminine tones

GOLD LINE

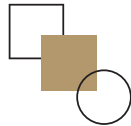
Master alloys for Pink Gold

Legor's master alloys for Rose Gold (5N) stand out for their artistic fusion of metals, delicately blending copper and silver with exceptional skill ensuring **high mechanical performance**, ideal for **CNC machining**. They create resilient, brilliantly charming, and refined jewelry with a unique and sophisticated allure.

Recommended products: OR133, YD149U, YD148NT



Large selection of gold master alloys ideal for different carats



Suitable for any application



5N shade



Easy to use right from the first casting



Manufactured to the highest quality standards

GT SERIES

Galvanic gilding with thickness

The plating solutions for thick gold able to give the jewels a **shiny and brilliant finish** and a range of colors that recalls the gold color (from yellow to pink) of the alloys at different carats.

Recommended product: GT4PINK.1L



0.5N to 6N gold color



100% hypoallergenic



Resistant to abrasion and corrosion

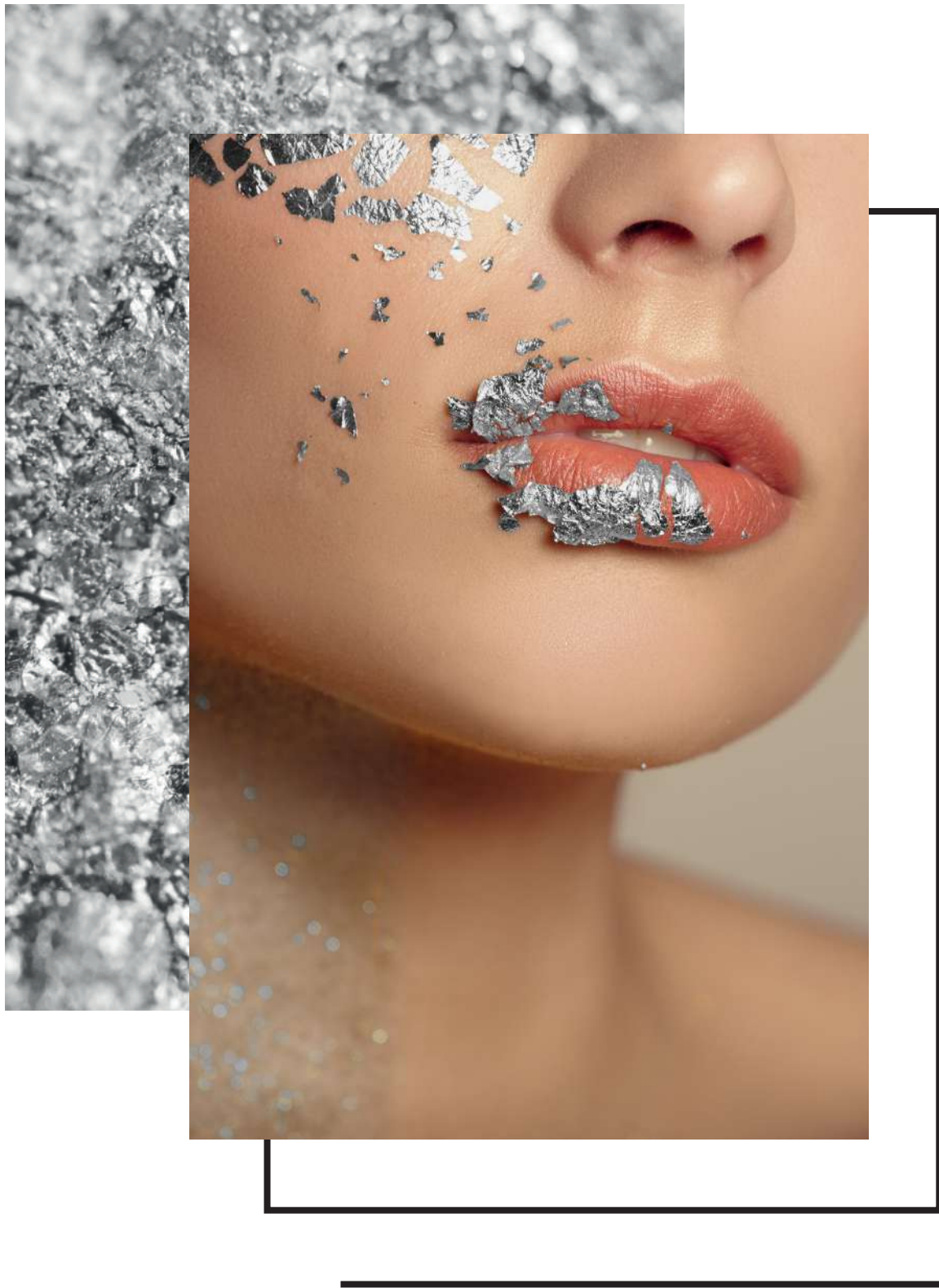


Thicknesses up to 3µm



Free of Cyanide, Lead and Cadmium

JEWELRY & LUXURY



Master alloys and plating solutions for jewelry with eternal elegance, impeccable style, and enduring quality

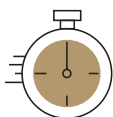
ANDROMEDA

950‰ Platinum alloys in ready-to-use drops

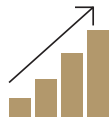
Thanks to its granular format, Andromeda allows jewellery manufacturers to create pieces more easily right from the first use. Compared to the plate format, drops are **easier to weigh** and allow for a **higher load volume**, as well as a **20% reduction in casting time**, thus ensuring **higher productivity** and **less pollution of the alloy**.



Easier to weigh and use



Melt time reduction by 20%



+25% load volume (higher productivity)



High performance (hardness and color)



Made with precious metals coming from 100% recycled sources

PTLUX

The Rhodium-effect plating process made of Platinum and Ruthenium

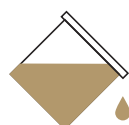
PTLUX is the plating process that allows the electrodeposition of Platinum in an alloy with a minor percentage of Ruthenium to obtain a **precious finish, even whiter** than pure platinum, at a **price lower than Rhodium** and less subject to market fluctuations.



With Platinum and Ruthenium from 100% recycled sources



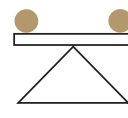
Ready-to-use



Stable and whiter color than pure Platinum



Cost saving



Process stability

JEWELRY & LUXURY

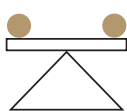


Master alloys and plating solutions for versatile and luminous jewelry

POLARIS

The family of 925 fine Silver alloys

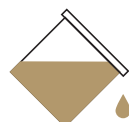
Polaris is the new family of **925 fine Silver alloys for casting** characterized by the presence of deoxidizing elements suitable for **improving the production process and the brilliance after casting**. Polaris was created to meet all the needs of Silver jewelry manufacturers who wish to realize **whiter and brighter** pieces in an easy way, since the first cast.



Stable and effective deoxidation for any need



Higher shininess



Whiter color



Easy to use since the first cast



With precious metals 100% from recycled sources

AGEF

Bright Silver plating process

AGEF is a decorative Silver plating system capable of delivering **deposits with extreme brightness and brilliance**, ideal for **jewelry applications**.



Extreme brilliance and brightness



Ideal for decorative applications



Excellent penetration power

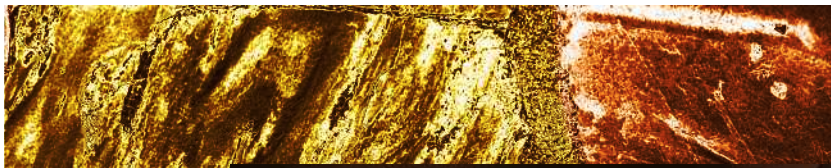


High leveling capability

Fashion & Decorative

Explore a world of **elegance and refinement** with Legor's exclusive alloys and plating solutions, carefully designed for the fashion and luxury sector. Elevate your **designs** with our sophisticated and decorative finishes, designed to meet the unique needs of the fashion industry.





Master alloys and plating solutions for accessories with vintage charm: unique finish, timeless style, details that tell stories

ECO BRASS AND BRONZE

Ready to use alloys from recycled sources

To give life to fashion accessories in Brass and Bronze respectful of the environment, Legor has decided to use for the realization of its ready-to-use alloys **certified UNI EN ISO 14021** also non-precious metals **from recycled sources, ensuring excellent performance.**

Recommended product: ECO-OTTGR



High purity



Free of Lead, Cadmium or other harmful elements



Same technical specifications compared to standard products



Equal performance compared to standard products



Made with non-precious metals coming from 100% recycled sources

ANTIQUA

The family of vintage-style precious finishes for fashion accessories

Antiqua is the new family of precious finishes by Legor designed to give an **antique effect** to fashion accessories, where eternity meets sophistication, and the charm of vintage defines today's fashion.



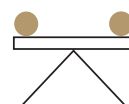
Vintage and antiqued effect



Nickel, Lead and Cobalt-free formulation



REACH compliant



Process stability



Easily removable



Master alloys and plating solutions for Extra Black accessories: deep details, bold style, limitless intensity

ECO BRASS AND BRONZE

Ready to use alloys from recycled sources

To give life to fashion accessories in Brass and Bronze respectful of the environment, Legor has decided to use for the realization of its ready-to-use alloys certified **UNI EN ISO 14021** also non-precious metals from **recycled sources**, ensuring **excellent performance**.

Recommended product: ECO-OTTGR



High purity



Free of Lead, Cadmium or other harmful elements



Same technical specifications compared to standard products



Equal performance compared to standard products



Made with non-precious metals coming from 100% recycled sources

ULTRABLACK

The Extra Black decorative Ruthenium plating bath

ULTRABLACK is the **innovative decorative process using 100% recycled Ruthenium**, providing fashion accessories with a **glossy black** finish as deep as a moonless night.



Intense black color



With 100% recycled Ruthenium



Arsenic-free formulation



Tarnish-resistant



REACH compliant



Cost-saving

3D Metal Hub: We print your ideas!

Legor **3D Metal Hub** is an innovative center dedicated to the experimentation and production of jewelry, fashion accessories and more from **metal powders**, introducing the new and revolutionary **3D Metal Jet Printing technology**.



3D METAL HUB

Legor therefore continues its responsibility path by offering a complete value proposition - from alloys to plating solutions, up to the 3D printing service with 3D Metal Jet Printing technology

- which wants to **guide the choices of responsible procurement** also **by the end user**, generating **greater awareness and thus contributing to the protection of our Planet.**

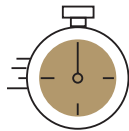
3D Metal Jet Printing technology

The 3D Metal Binder Jet printing technology is an **additive manufacturing** process that employs a **binding agent** to **fuse layers of metal powder**, crafting intricate three-dimensional metal objects.

It stands as an **alternative to technologies like SLM** (Selective Laser Melting) and **MIM** (Metal Injection Molding), offering various benefits:



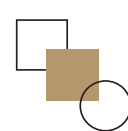
No need for a mould



Quick creation of sampling (2/3 days)



Design modification



Production of different pieces during the same cycle



Overlapping objects during printing



No need for supports



Zero waste: 99% powder reuse



Density of 99,8%



Production of hollow or interlocking pieces without the need for soldering



Customizable objects



Discover Legor 3D Metal Hub

Metal powders suitable for 3D printing using 3D Metal Jet Printing technology

It is possible to print objects using metal powders of **Steel**, **Bronze**, and **Silver**.

Additionally, Legor's **R&D team** is working on a project to enable the printing of objects using **Platinum** powder as well.

Steel



Bronze



Silver



Platinum



NEW

Looking towards the future and sustainable innovation with Legor 3D Metal Hub

A revolution for luxury
industry companies

From this initiative emerges '**3D Metal Print: Beyond extraordinary**', an invitation to think outside the box, unleashing creativity and crafting exceptional, high-quality objects through **HP's 3D Metal Jet Printing technology**.

The outcome of a systemic project, that, through the **synergy** of various

expertise, including design for additive, **3D fashion accessory design, master alloys and plating solutions** production and industrialization, and **exclusive electroplating treatments and finishes**, has created a product to materialize the shared vision of a new production method through **3D additive printing**.

3D
manufacturing

 **LEGOR**[®]
Extraordinary matter

Brand
idea

**XYZ
BAG**
.com

Treatment
and finishing



LEM

Design for
additive



PUNTOZERO
Design for Additive Manufacturing

3D METAL HUB



Advantages



Agility

- **speed** in commercialization
- **fast fashion**
- **limited edition**



Creativity

- **design** freedom
- **customization**
- easy production **modifications**



Sustainability

- powder **reuse**
- **waste reduction**
- supply chain **simplification**

Unleash creativity

Objects with highly complex shapes, intricate and dynamic designs with integrated and native mobile systems: interconnected and

movable parts are produced in a single manufacturing phase, eliminating the need for subsequent soldering.



Discover the project

Brand identity

Starting from the concept of Transformation, Legor embarked on a journey in 2022 to breathe new life into its **brand identity**, supported by an image **revision process** facilitated by the *Carmi e Ubertis* agency. The **visual system** of the new brand identity is built on two main elements: the **line** and the use of **overlapping images**, aiming for a clean, modern, and fashion-oriented design.



The new brand identity

This impactful image change brought along the adoption of a new **payoff, “Extraordinary matter”**. This verbal expression communicates beyond the literal semantics of the words because “extraordinary matter,” besides representing the core of the company’s operations, embodies a **conceptual synthesis of the Group’s way of being**. A payoff that inspires to consistently **exceed the ordinary**, defining an

approach: dealing with extraordinary metals requires **care and attention that extends beyond the material**, involving the personal, social, and environmental spheres. The constant focus on safeguarding the planet and future generations guides Legor **from responsible sourcing to transformation, creating, generating, and regenerating value over time**.

Celebrating Transformation: renewed website and stand

As a conclusion to this journey, we kick off 2024 by unveiling the **new legor.com** website and the **revamped Legor stand** at T.Gold, embodying the very essence of transformation. It marks a new chapter in our history, **an ode to transformation** that permeates

not only the visual aspect but the very soul of Legor. An **invitation to explore new frontiers, surpass the known, and embrace the potential of the exceptional** because within every particle lies the promise of an extraordinary future.



Discover the new Legor website

Thanks.