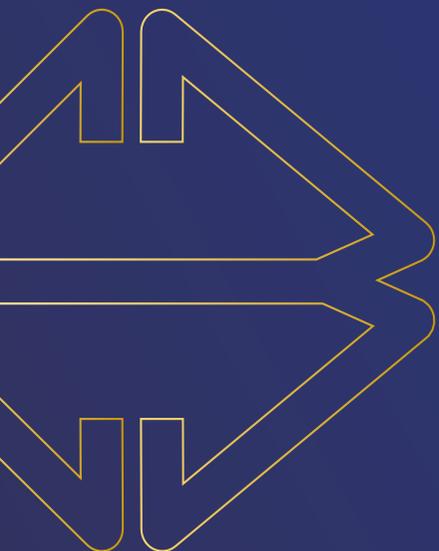


Precious metal based chemicals





Our Goal: Added Value

Efficiency, flexibility, reliability: these are the three principles on which we ground every Cabro project, so that our products can provide real added value to our customers' productivity. A purpose we are able to achieve thanks to the extensive expertise in the field of chemicals of our work team. Hence the development of completely customizable solutions that are perfectly complying the required technical specifications.

**"...Research must start
from needs."**

Masaru Ibuka

Customization According to Cabro

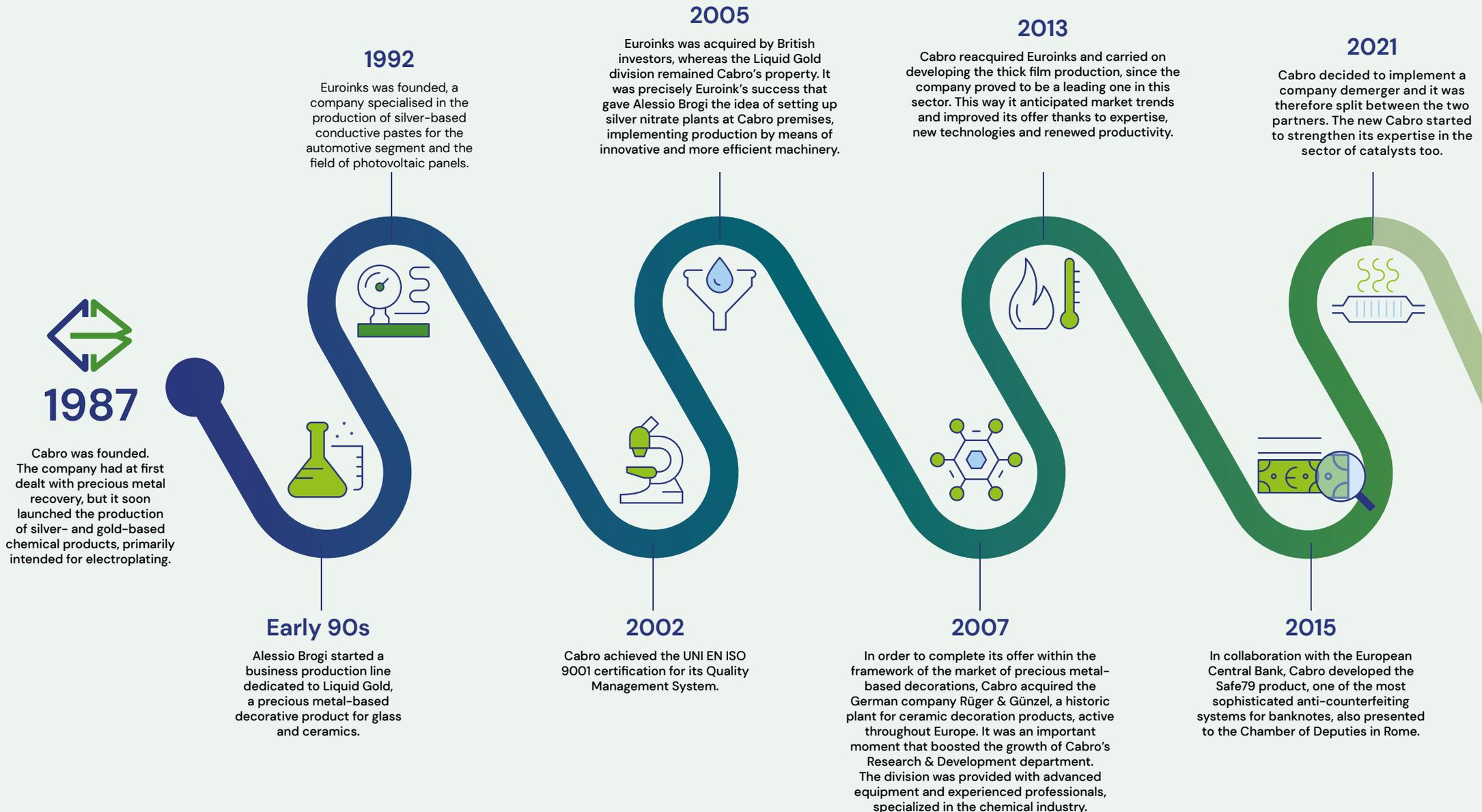
USEFULNESS: every product customization must be functional to our customers' production lines and machinery.

EFFICIENCY: ensuring the results in terms of effectiveness and constancy of result. This is what makes a customized product turn into added value for our customers.

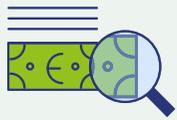
ADDITIONAL FUNCTIONALITY: creating a new, tailored product implies making it functional to all our customers' needs.



The Story of a 100% Family Business



Key Indicators



€50 Million
Revenue



40 Nations
Global Reach



80 Tonnes
Production
Volume



Since 1987
Market
Presence



Our Goal: Purity and Quality

Departments



Decorative Division

Au – Pt – Lusters
to decorate ceramic
and glass



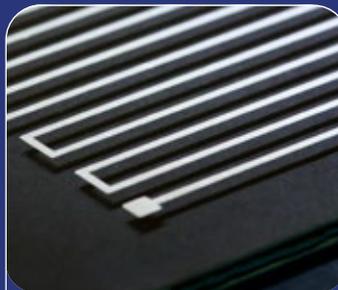
Fine Chemicals

A wide range of compounds
based on Au, Ag, Pt, Pd, Rh,
Ru, Ir for electroplating and
other industrial and chemical
treatments



Catalysts

A range of precious
metal-based catalysts.



Thick Film

Conductive silver-based
products.

Metals

- Gold (Au)
- Silver (Ag)
- Platinum (Pt)
- Palladium (Pd)
- Rhodium (Rh)
- Ruthenium (Ru)
- Iridium (Ir)

The Plus of Cabro

- Even for small quantities
- Wide range of products
- Productive speed
- High level of customization
- Quality certification for each product

Decorative Division

After many years of work in the sector of decoration of ceramics and glass, Cabro has achieved important results thanks to professionalism, acquired experience and continuous research in the field of product optimization. All manufacturing processes are worked out in-house using the best technology to ensure high standards in terms of quality, respect to the environment and ethics.

The already wide range of products, which also includes burnish gold product up to 38% for temperatures up to 1250°C, is continuously updated to meet customers' requirements and to adapt to different application techniques.

Product Range

- Liquids for brush and spray
- Pastes for screen printing, decal, pad printing, lining- and banding machines
- Thermoplastics for hot-screen printing
- Inks for digital printing

Fields of Application

- Tableware: porcelain, bone china, opal and earthenware
- Glass: flat and hollow
- Ceramics: tiles, majolica

Plus Cabro

- High quality standard
- Wide range of products
- Fast delivery terms
- Flexibility
- Technical assistance



Fine Chemicals

Cabro is deeply rooted in the division of fine chemical precious metal-based products. It is the beating heart of our commercial offers, constantly improved by the innovative work of our Research & Development department. The production of salts, solutions and mixtures follows a standardized procedure, where the quality is tracked and ensured at every stage, from the input of precious metal to the output as a finished product.

Cabro features a huge catalog of organic and inorganic chemical products. Thanks to an extensive network of suppliers on the territory, as well as to our over thirty-year-long chemical expertise, and to our cutting-edge production organization, all the products included in our catalog can be available in a very short time, even in variable concentrations.

Besides, our chemical products can be customized to fulfill our customers' technical specifications.

Fields of Application

- **Industrial and chemical fields**
- **Jewelry and electroplating**
- **Electronics**
- **Glass and mirror**



Catalysts

With its catalysts, Cabro looks to the future. Our lab devotes constant and in-depth research to this sector, in order to expand the current range of products and customizable solutions. We are not only focused on marketing, but also on finding ways to improve our customers' processing engineering.

We produce heterogeneous and homogeneous catalysts based on:

- Gold
- Silver
- Platinum
- Palladium
- Rhodium
- Ruthenium
- Iridium

Fields of Application

- Fine chemical industry
- Fragrances (perfumery)
- Pharmaceuticals
- Agrochemicals
- Food (oils and lipids)
- Electrocatalysis
- Gas purification
- Petrochemicals



Thick Film

Our cutting-edge silver-based products are available with a wide range of possibilities for customization, that are developed and accomplished in-house.

Available Products

Cabro produces a wide range of silver-based products: pastes for screen printing on glass and porcelain, polymer pastes for screen printing on plastics, spray paints for RF and EMI shielding, silver powders and flakes for various industrial applications.

Fields of Application

- **Automotive**
- **Electronics**
- **Refrigerated display cases**
- **Diamond tools**
- **Tableware for induction heating**

All our silver pastes are heavy-metal free and abide by the 2011/65/EC European Directive.





Our Laboratory, for a Complete Quality Control

The laboratory is the place where Cabro looks to the future, where ideas and research meet to find accessible solutions to highly complex formulas through unexplored roads. Our lab is the starting point for each of our new products and it makes it possible for our company to achieve superior performances and quality thanks to the reliability of state-of-the-art and highly sophisticated machinery for the analysis of precious metals.

▶ Our Lab Services

- Testing for Research and Development projects
- Monitoring of the production stages
- Testing of incoming precious metal
- Testing of outgoing Cabro products to get an analysis certificate that complies with our customers' requirements and with the legislation in force in terms of actual composition and levels of contaminants
- Analysis on behalf of third parties

▶ Highest Level Instruments

- ICP-OES Spectrometer
- X-Ray Fluorescence Spectrometer
- UV Spectrophotometer
- IC Ion Chromatography System
- Scanning electron microscope (SEM) with X-Ray detector
- Thermogravimetric Analyzer (TGA) and Differential Scanning Calorimeter (DSC)
- Particle Size Analyzer
- BET Surface Area Measurement Instrument



Discover our machinery park on the website www.cabro.it

Research and Sustainability

The Research & Development department is the key centre of the lab. Here, our research team combines experience, a desire for discovery and pragmatism so as to achieve solutions, that are often unique in their kind, in order to contribute to Cabro's constant growth over time.

Our Targets

- Optimization of processes
- Reduction of production time
- Reduction of wastewater and waste
- Development of closed cycle processing flows



Cabro is constantly monitored by public authorities and private institutions to ensure that air emissions and wastewater levels are always within legal limits. And yet we are looking beyond that and every year we develop new products that meet our environmental standards, even when they become more and more demanding. This is our concept of sustainability: the certainty of having done everything possible to minimize our impact on the environment.

Cabro's Certifications



Logistics and Export

In Cabro, we support our customers by means of dedicated logistics and export services toward over 45 countries worldwide.



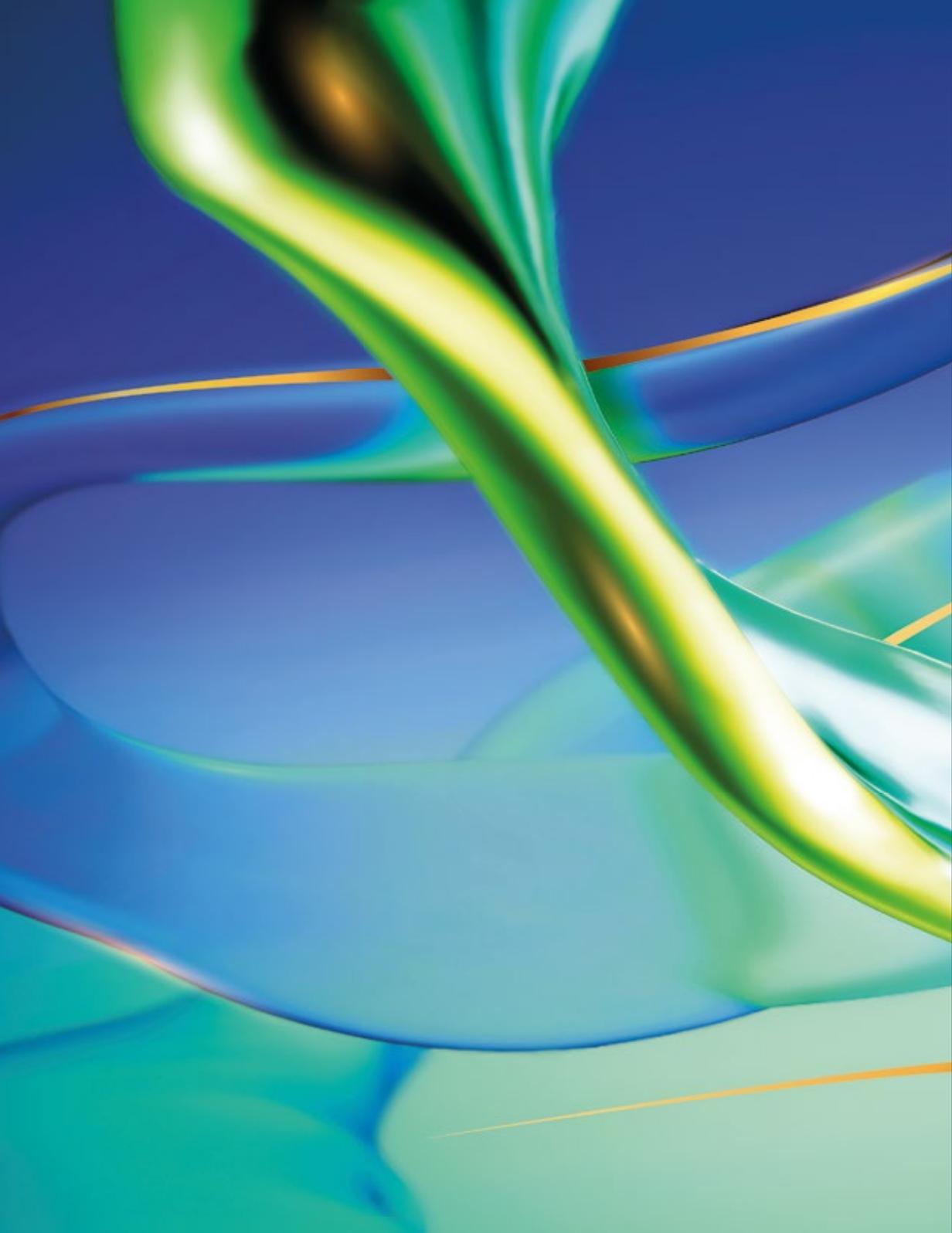
Incoming Metal

We only purchase precious metals from certified and reliable suppliers. Every time the precious metal is delivered to Cabro, our in-house lab tests it and defines the input parameters. Our customers can choose between two options:

- Sending their own precious metal and paying for the processing only
- Purchasing from Cabro precious metals too

Finished Products

In Cabro we oversee all production stages and we run quality tests to certify that the technical composition is correct, exactly as required. The shipment of orders can be either managed by our customers or otherwise we can organize it ourselves, either in compliance with the ADR standard or opting for insured shipments.



XBRAIN
www.x-brain.it



Cabro S.p.A.
Via Setteponti, 141
52100 Arezzo (AR) - Italy
Tel +39 0575 984 442
E-mail info@cabro.it
www.cabro.it