We strive to create opportunities, and to contribute to a sustainable and better world.
Who We Are

Heraeus, the technology group headquartered in Hanau, Germany, is a leading international family-owned company formed in 1851. We create high value solutions for our customers and substantially strengthen their competitiveness. We focus on businesses in the areas of environment, health care, mobility, communications, steel, energy and beyond.

Innovations have been the basis of our success and will secure the group’s future. Heraeus today owns over 5,350 patents and patent applications. Over 15,500 employees are engaged in research and development at 25 development centers worldwide.

Over 40 years Heraeus has been present and active in the Greater China region, one of its top 5 markets. Today we have more than 2,500 employees in 20 locations across the region.

Where We Come from

1851
Chemist Wilhelm Carl Heraeus takes over his father’s pharmacy, “Einhorn,” in Hanau, Germany.

1856
W. C. Heraeus smelts two kilograms of platinum in oxyhydrogen gas flames for the first time, rendering the precious metal fit for industrial processing.

Over 160 years
The Einhorn pharmacy has become a technology Group with global operations.
Precious Metal Loop Service Provider

Heraeus is one of the world’s leading providers of customized precious metal solutions. Heraeus Metal Management (HMM) brings together Heraeus’ many years of expertise in the fields of precious metal recycling, trading and related services. HMM’s portfolio includes: Physical supply of precious metals in all relevant forms, Weight accounts & worldwide transfers, Precious metal financing and risk management, Recovery of precious metals, Logistics, insurance and waste management. In conjunction with other global business units of Heraeus, HMM offers comprehensive and integrated solutions for all precious metals.

We are dedicated to meet our customers’ needs around the world and provide them with a one-stop service experience. With a total of 10 sites, Heraeus Metal Management has a strong global footprint in the major areas of the world. Our trading centers, located in Hanau (Germany), New York (USA), Hong Kong and Shanghai (China), allow us to react to price movements around the clock. With our extensive network of refining sites we are not only close to our customers but also experienced in the logistics of precious freight. Local refining premises in China and India were established to avoid tax impacts on our customers’ business.
Our services are designed to fulfill one simple objective: Optimize your precious metal management.

**Physical supply of precious metals in all relevant forms**
- Precious metals for various industries: grains, sponge, powder, sheets, plates
- Precious metal investment bars: gold bars, silver bars, platinum bars, palladium bars

**Precious metal financing and risk management**
- According to your individual needs we provide you with a tailor-made hedging and risk management strategy
- Different types of transactions: spot, swap, limit orders
- Various hedging models: forwards, flexible forwards, options
- Bridge leases

**Logistics, insurance and waste management**
- Pick-up and transportation of your material around the globe
- Comprehensive insurance program to cover your shipments
- Professional assistance on waste management and dealing with “hazardous waste”

**Weight accounts & worldwide transfers**
- Cost-efficient and flexible metal weight accounts
- Transfers to other weight accounts: any time, to various destinations

**Recycling & refining**
- We offer recycling and refining services for all precious metals and Rhenium
- State of the art sampling, analysis and production processes ensure high yields out of your material

**Integrated solutions with precious metals product business**

**Membership in Institutions and Professional Associations**
- The London Bullion Market Association
- The London Platinum & Palladium Market
- Fachvereinigung Edelmetalle
- International Platinum Group Metals Association
- International Precious Metals Institute
- Shanghai Gold Exchange
- Precious Metals Recycling Committee of China National Resources Recycling Association
- China Non-ferrous Metals Industry Association Gold & Silver Branch
- China Non-ferrous Metals Industry Association Platinum Branch

**Analytical Services**
Heraeus started to build its chemical and analytical laboratory since 1993. We focus on the testing and analysis of precious metals and PM products. In China, our precious metal analytical and testing center is accredited of ISO17025 certificate issued by CNAS, and has mutual recognition with ILAC.

With the advanced equipment and our team of experts, we are dedicated to meet the needs of our productions by providing accurate, precise and stable data. We adopt reliable traditional and state of the art analytical methods, testing capability covering Pt, Pd, Rh, Ru, Ir, Au, Ag metals and their compounds.

Global unified testing equipments include:
- ICP
- DC-ARC
- AAS
- IC
- GC
- LECO-O,N,H
- GD-DES
- XRF

**Precious Metal Recycling**
As the world leader in precious metals refining, Heraeus is dedicated to meet the needs of customers around the world through its global footprint across 10 sites and its worldwide logistics network. Local refining in India and China were established to avoid tax impact. We provide our customers with one-stop service combining precious metal recycling and trading services.

- Homogenization, sampling and analysis
- Assays of samples and calculation of profitability
- Separation and purification of precious metals
- Logistics and insurance, waste management as well as support and guidance in notifications
- Supply of precious metals according to international standards, weight accounts, purchase/transfer of refined metals
Energy Saving

We provide precious metal chemical components and materials for waste gas treatment of automobile, motorcycle and home-used engines, and professional treatment technology and unit for NOx in industrial waste gas treatment. In addition, our products also include sputtering targets for energy-saving glass.

Overview

Protecting the environment for sustainable development is an important social responsibility of each enterprise. As one of the most successful industrial family businesses, Herbas is respected and admired for our long-lasting success in business and our business culture. With our competencies, our innovation capabilities we continuously strive to create opportunities and to contribute to a sustainable and better world.
Our product portfolio in health care ranges from high precision precious metal components for implantable devices, such as artificial cochlea and heart pacemaker, to precious metal catalyst for Pharmaceutical industry and API for anti-cancer medicine.

Overview

Thanks to new medical treatments, people now stay fitter and longer. Heraeus always have the welfare of patient in mind when looking for new, efficient and improved answers in the healthcare market. Over the past years, Heraeus not only focuses on the material innovations for various medical devices, we also look in the regulated healthcare market at registration pathways, patent maps, remuneration and cost reimbursement options.
Overview

Heraeus Electronics is one of the leading R & D partners and manufacturers of materials for the packaging of integrated circuits in electronics industry. Our company deal with sophisticated material solutions and material sub-systems for semiconductor and automotive industry, consumer goods, energy and power electronics, industrial electronics as well as communications and telecommunications. Heraeus Electronics’ core competences include bonding wires, assembly materials, thick film paste, DBC substrates, as well as roll clad strips and stamped lead frames.
Overview

With the rapid demographic growth and increasing demands for energy consumption, the energy issue has become a worldwide topic. We focus on the generation, conversion, storage and distribution of renewable energy. With our superior product performance and the strong R&D strength, Heraeus is dedicated to provide high-efficiency products and business supports to more customers in the future.

In the new energy field, our core competences include PM anode of fuel cell, silver metallization pastes for the photovoltaic industry, and electronics materials for xEV.
For automotive electronics Heraeus produces among others bonding wires, special thick film and solder pastes, precious metal powders and polymers. Heraeus products are used, for instance, in power electronics and many control devices, e.g. for the transmission, engines, ABS (Anti-lock Braking System), and airbags.

A variety of metal and precious metal parts from Heraeus ensures the smooth functioning of the electrical safety systems, e.g. emergency braking and lane assist system, and the EPS (Electronic Stability Program). At the same time, platinum temperature sensors and catalyst coatings are employed in the exhaust systems of cars, trucks, and motorcycles. The platinum temperature sensors monitor, among other things, the turbocharger and the burn-off if the diesel particle filter.
Engineered Components

We manufacture customized components made of Platinum and its alloys for the following Glass Types: Optical glasses, Technical glasses, Borosilicate glasses, TFT, LCD glasses, Lead crystal / crystal glasses, Soda-lime glasses, Glass fibers, Basalt fibers.

Our range of products comprise large electrically heated feeder systems, refining chambers, stirrers, plungers, stirring cells as well as ceramic cladings. To round off our complete portfolio we also offer crucibles, electrodes, protective conduits for thermocouples and bubbler tubes. All of the previously named precious metal components play their part in ensuring the manufacture of homogeneous and bubble-free glass with a high yield factor.

Platinum Bushings

Effectually all glass fibres (e.g. C-glass and E-glass fibres and related types) are manufactured using glass fibre bushings of PtRh alloys, mainly of PtRh10 and PtRh20. In some cases, the dispersion hardened variants (DPH) of these alloys are used, in particular PtRh10-DPH and PtRh5-DPH or the high strength material PtRh10-DPHs.

Heraeus produces glass fibre bushings to customer specification with base-plates manufactured using either pressed or welded tips.

Heraeus In Our Life

Precious metal is our strength. Since 1906 Heraeus Precious Colours has been one of the leading world-wide producers of precious metal decoration products for ceramics and glass. High quality precious metal colours and lustre preparations as well as precisely matched decoration systems are suitable for the decoration of glass, porcelain and tiles. Whether gold or platinum - apart from a wide product range we also offer made-to-measure solutions for the realisation of various ceramic décors. Whether extravagant or classical - our products are suitable for all common application methods. Set precious trends when it comes to ceramic decoration!

Precious Metal Colours are mainly applied to the surface decoration of daily-use dishware, glass, tea sets and tiles. The product range covers precious metal preparations and lustres for all common methods of application such as brush application, screen printing (decal), pad printing and spraying, etc.