



VENUS PRECIOUS METALS REFINERY

An ISO 9001 : 2008 Certified Company

"Your reliable partner in precious metal perfection."

Pioneers in Advanced Precious Metals Refining Solutions

BUILT IN INDIA TRUSTED WORLDWIDE

Formerly Known as





MR.TANAY ZAWARE

Managing Director

Mr. Tanay Zaware , Founder and Managing Director of Venus Precious Metal Refinery/ Sladjana Sales Corporation , began his entrepreneurial journey in 1999 with the establishment of Venus Precious Metal Refinery . With over 35 years of hands-on experience in the precious metals refining industry, strong roots in Maharashtra, and a clear vision to position India as a global leader in refinery machinery, he has successfully guided the company from humble beginnings to an internationally recognized brand serving clients in over 41 countries. Under his leadership, Venus Precious Metal Refinery has grown through continuous innovation, engineering excellence, and unwavering customer trust, delivering safe, reliable, and high-purity gold and silver refining systems. Mr. Tanay Zaware's dedication, technical expertise, and passion continue to shape Venus Precious Metal Refinery as a symbol of precision, quality, and global impact in the precious metals refining industry.





SINCE 1999

About Us

Venus Precious Metal Refinery / Sladjana Sales Corporation is a globally renowned company, accredited with BIS and ISO 9001:2008. With a strong focus on innovation and quality engineering, we design and manufacture state-of-the-art gold refining machines capable of processing gold in all forms and achieving **999+ purity** as per testing standards. Our systems are built to ensure zero metal loss, low operating cost, and pollution-free performance, making them ideal for manufacturers, jewellery businesses, bullion traders, and gold exchangers. Backed by experienced engineers, reliable after-sales support, and on-site training, we are committed to delivering dependable solutions that enhance productivity while maintaining the highest standards of safety and sustainability.

Our Mission

Our mission is to design and deliver high-performance gold and platinum group metals with other precious metals refining systems that ensure maximum purity, zero metal loss, and complete operator safety. We strive to provide cost-effective, pollution-free, and easy-to-operate solutions supported by expert training and service. By integrating advanced engineering with strict quality control, we are dedicated to helping our customers achieve operational excellence while contributing to a cleaner and safer environment.

Our Vision

Our vision is to become a globally trusted leader in gold and platinum group metals with other precious metals refining technology by setting new benchmarks in purity, safety, efficiency, and environmental compliance. We aim to revolutionize the precious metal refining industry through continuous innovation, eco-friendly practices, and customer-centric solutions that empower businesses to grow responsibly and sustainably.

Why Venus Precious Metal Refinery ?

Venus Precious Metal Refinery / Sladjana Sales Corporation is a well-established name in the precious metal refining industry, with a strong presence not only in India but also in international markets. We proudly serve more than **4,000 satisfied customers**, reflecting our commitment to quality and reliability.

Founded in 1999 by **Mr. Tanay Zaware**, the company was established with a clear vision to deliver superior product value through innovation, precision, and exceptional customer service. Today, we offer a portfolio of over **20 products**, supported by a skilled workforce of **40+ professionals**. Our team includes experienced engineers, efficient technicians, a dedicated backend support team, an innovative in-house design team, and hardworking production staff all working together to deliver best-in-class solutions to our customers.

We specialize in **customized solutions**, enabled by our in-house design and manufacturing capabilities. Our focus remains on maintaining stringent quality standards, adhering to certified procedures, and optimizing costs without compromising product quality.

Driven by innovation and a commitment to adopting new technologies, we continuously evolve to stay ahead of industry trends and successfully navigate the challenges of today's dynamic and ever-changing VUCA world.

- PH7-approved scrubber unit
- No vibration and low-noise operation
- Triple-cycle condenser system
- Ideal for bullion market applications
- Refining cost: Approximately - ₹500 per kg
- Non-corrosive, durable construction
- Automatic control panel
- Achieves 999+ purity (as per test reports)
- Includes chemical-resistant flooring

Technical Specifications:

- Fully automatic gold refining machine
- Refining capacity from 1 kg to 30 kg (customizable)
- Produces 999+ gold purity
- Ensures up to 100% metal recovery
- Automatic operation with PLC / digital control panel
- Advanced chemical / electrolytic refining process
- Constructed using Titanium and SS316 for corrosion resistance
- Fully enclosed system with no manual chemical handling
- Integrated scrubber with triple condenser for pollution control
- Odorless and pollution-free operation
- Silent and vibration-free performance
- Suitable for indoor installation
- Compact and space-saving machine design
- Power supply options: 220V / 380V / 415V as required
- Low power consumption and energy-efficient operation
- Equipped with imported heavy-duty pumps and motors
- Requires minimal maintenance
- Built-in safety features including overload protection and chemical isolation
- Ideal for jewellery manufacturers, refineries, recycling units, bullion processors
- Designed in compliance with international safety and quality standards

Used for: Raw Gold / Dore Bar / Polishing Dust / Buffing Dust / Filing Dust
Process: Aqua Regia / Nitric
Suitable for: Gold Exchange / Jewellery Showroom
/ Jewellery Manufacturer / Mines

GRM MODEL SERIES:



Specification & Highlights

This Machine is a precision-engineered refining solution developed for international standards and global markets. Designed to deliver **999+ gold purity** with high recovery efficiency, the system is suitable for refining raw gold, scrap gold, and precious metal residues. Available in multiple capacity ranges with customization options, it ensures a safe, odorless, and pollution-free refining process, making it suitable for indoor and continuous operations. Manufactured using high-grade **Titanium and SS316**, the machine offers exceptional durability, low maintenance, and long operational life. Its automated operation, compact footprint, and compliance with global safety and environmental norms make it an ideal choice for export-oriented refineries, jewellery manufacturers, bullion refiners, and precious metal processing facilities worldwide. This machine can be managed by a single person post training. Our engineer will come to your location to provide training. The whole process of refining takes **3-4 hours** & the refining cost comes to **Rs.500 per Kg.** including all raw material chemicals & power consumption. High-quality motor, pumps and fitting gives this machine very low maintenance. This machine is beneficial to the manufacturer, jewellery shop, and gold exchanger

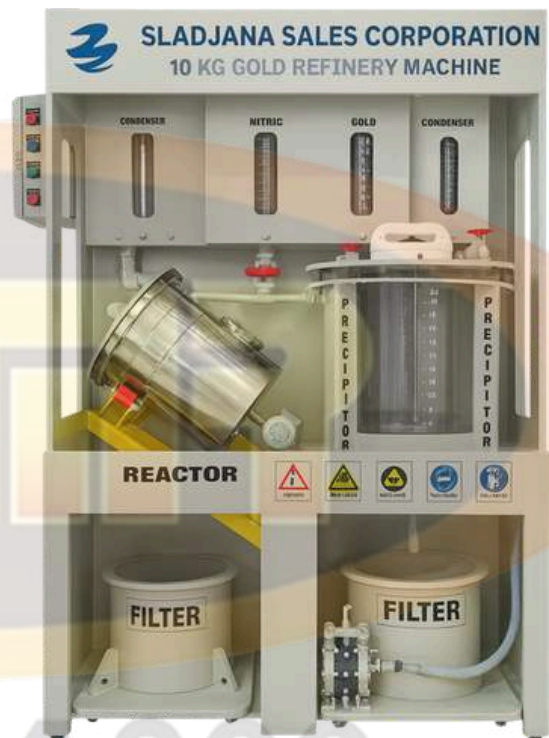
- Capacity range: 1-1000 kg
- 100% pollution-free, no foul smell
- Requires minimal installation space
- Durable dissolution tank
- Zero metal loss during process
- Single-operator system
- No direct contact with chemicals
- Safe and secure operation
- Includes auto heating/cooling system
- Equipped with imported-quality motors & pumps

GRM MODEL SERIES:

The Gold Refining Machine is specifically optimized for applications in the jewellery industry and is capable of refining gold from various input forms with high accuracy and consistency. Designed with a controlled cycling process, the system allows multiple refining cycles to be carried out within the same setup, enabling it to process up to twice its rated capacity while maintaining stable operation and high-purity output. Built for long-term reliability, the machine features a high-grade, chemically resistant refining tank that ensures extended service life under continuous operating conditions. Engineered for high-efficiency purification, the system delivers dependable performance while maintaining precise process control and operational stability.



GRM MODEL SERIES



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Our gold refinery systems are designed to deliver **999+ gold purity** with 100% metal recovery, ensuring maximum accuracy and minimal processing loss. Built for operator safety and environmental compliance, the units operate through a fully enclosed refining process that produces **zero odor, zero smoke emissions, zero vibration, and near-silent performance**, creating a completely pollution-free working environment. Available in batch capacities from **1 kg to 1000 kg**, each system can be fully customized to match specific refining and production requirements. Featuring a compact footprint, corrosion-resistant construction, and advanced safety and control systems, these refinery units are suitable for installation in jewellery showrooms, manufacturing facilities, and both small- and large-scale industrial refining operations.

SRM MODEL SERIES:



Specification & Highlights

Designed for ease of use and operational efficiency, this silver refining machine can be operated by a single person, even without prior experience. Complete installation, training, and operational guidance are provided by our engineer at the customer's location. The system delivers 999+ silver purity as per testing reports, while also effectively separating and recovering other mixed metals such as gold, copper, brass, and additional base metals.

The machine is capable of refining old silver in any form, including jewellery scrap, doré bars, polishing dust, buffing dust, filing dust, and other silver-bearing materials. Built with operator safety and environmental protection in mind, it is equipped with a scrubber and condenser system that treats all fumes generated during the refining process, ensuring the outlet air remains clean, odorless, and pollution-free. With an approximate refining cost of ₹300–₹400 per kilogram, including chemicals, raw materials, and power consumption, the system offers an economical refining solution. High-quality motors, pumps, and durable components ensure reliable performance, long service life, and very low maintenance requirements.

Most beneficial to the manufacturers, Jewellery shop owners, Silver Traders.

Refining Machine Key Features :

- Fully automatic control panel system
- Designed for single-person operation
- Safe & secure handling with no chemical touching or sniffing
- Includes scrubber unit (PH7 approved) and chemical flooring
- 100% pollution-free, no foul smell
- Noise-free and vibration-free performance

PRECIOUS METAL REFINERY PLANT



Performance & Output

- Achieves 999+ purity (as per test report)
- Zero loss of metal during the refining process
- Refining cost approx. ₹300-350 per kg
- Suitable for bullion market exchange

Construction & Engineering

- Capacity options: 10kg to 1000kg
- Built with non-corrosive material
- Stainless steel chemical-grade dissolution tank for extra durability
- Equipped with triple cycling condenser
- Comes with auto heating/cooling attachment
- All motors & pumps are imported quality
- High durability & long operational lifespan



SILVER ELECTROLYSIS REFINING MACHINE



Our Silver Electrolysis Refining Plant is engineered for high-purity silver output with precise, automated processing. This machine ensures efficient refining by utilising electrolyte-based purification, delivering silver with purity levels up to 99.99%. The system is designed with: Reactor Tank, Rectifier System, Filtration Unit, Process Hood for Safety, Automation Controls and Monitoring Panel.

The process involves:

- Dissolving the silver anodes in an acid bath
- Collecting pure silver on the cathodes
- Sending copper and other metals forming soluble nitrates into the bath
- Leaving gold and other insoluble metals as a sponge on the anodes
- The resulting silver is about 99.9% pure.

AIR OPERATED DOUBLE DIAPHRAGM PUMP (AODD)



An Air Operated Double Diaphragm (AODD) Pump is a robust, safe, and versatile pumping solution designed for the efficient transfer of corrosive, abrasive, and high-viscosity fluids. Powered by compressed air, it ensures spark-free operation, inherent safety, self-priming capability, and the ability to run dry without causing damage. Its simple, rugged construction results in low maintenance requirements and long service life, making AODD pumps an ideal choice for chemical processing, effluent treatment plants, refineries, and other demanding industrial applications where reliable and efficient fluid handling is essential.

INDUSTRIAL POLYPROPYLENE BLOWER



The industrial polypropylene (PP) blower is engineered for efficient and reliable air handling in highly corrosive environments where conventional metal blowers are unsuitable. Manufactured from high-grade polypropylene, it offers outstanding resistance to acids, alkalis, and aggressive chemical fumes, making it ideal for use in scrubbers, fume extraction systems, laboratories, and chemical processing units. Designed to deliver high airflow with low noise levels, the blower ensures stable and consistent performance. Its lightweight, corrosion-proof construction provides long service life with minimal maintenance, while precision-balanced impellers and a robust motor ensure dependable, energy-efficient operation for continuous industrial applications.

HALLMARKING SETUP



A Hallmarking Setup is a standardized and regulated system designed to verify and certify the purity of precious metals such as gold and silver, ensuring consumer trust and compliance with national and international standards. The setup integrates precise testing, assaying, and marking processes to confirm metal fineness before jewellery or bullion is released to the market.

The hallmarking process typically includes sampling, assaying (often by fire assay or approved analytical methods), verification of purity, and permanent marking with authorized symbols that indicate metal purity, assay centre identification, and year of marking. The setup is designed for accuracy, traceability, and repeatability, ensuring consistent results across batches.

Engineered with a strong focus on quality control and regulatory compliance, a hallmarking setup supports secure workflows, controlled environments, and reliable documentation. It is widely used in assay and hallmarking centers, jewellery manufacturing units, refineries, and bullion trading facilities, playing a critical role in maintaining transparency, credibility, and consumer confidence in the precious metals industry.

FIRE ASSAY SETUP



Fire assaying is a globally accepted and industry-standard analytical technique used for the accurate determination of gold, silver, and platinum-group metals (PGMs) in ores, concentrates, jewellery scrap, and other precious metal-bearing materials. Recognized as the benchmark method in precious metal analysis, fire assaying has been trusted for centuries due to its exceptional accuracy, consistency, and repeatability. While the process has evolved with modern equipment and controlled furnaces, its core principles remain unchanged, ensuring reliable and comparable results across laboratories worldwide.

The method is extensively applied to evaluate gold and silver content in a wide variety of sample types, including drill core samples, soil samples, chip samples, and process materials. Through high-temperature fusion with selected fluxes, precious metals are separated from base materials, allowing precise measurement of metal content. Because of its proven precision and reliability, fire assaying continues to be the preferred technique for hallmarking, refinery verification, metallurgical testing, and quality control operations, where accuracy and compliance with international standards are critical.

HANDWASH



The Hand Wash Recovery System is a smart and efficient solution designed to recover fine gold particles from wash water generated during jewellery manufacturing and refining processes. By capturing valuable gold residues that would otherwise be lost, the system helps maximize recovery, reduce wastage, and improve overall profitability.

Using an advanced filtration and separation process, the system efficiently collects even the smallest gold particles while supporting clean and sustainable operations. Built with high-quality, durable materials, it ensures reliable performance with minimal maintenance.

Ideal for jewellery manufacturing units, refineries, and hallmarking centres, the Hand Wash Recovery System is a cost-effective and eco-friendly investment for businesses looking to enhance gold recovery and maintain operational efficiency.

MELTING MACHINE



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ELITE-MM-500



ELITE-MM-01



ELITE-MM-02



ELITE-MM-03



ELITE-MM-05

The electric melting machine is designed to safely and efficiently melt gold, silver, and other precious metals using a fully electric heating system, eliminating the need for gas. It offers fast melting **(5-7 mins)** performance with precise temperature control and includes a durable graphite crucible for smooth pouring. The machine is easy to operate, requires low maintenance, and is suitable for jewellery manufacturers, refiners, and bullion casting applications.

GRAPHITE CRUCIBLES



Graphite Crucibles are durable, high-temperature vessels used for clean and efficient melting of metals such as gold and silver. Made from high-purity graphite, they provide excellent heat conductivity, thermal shock resistance, and minimal metal contamination, making them ideal for jewellery, refining, and laboratory applications.

GAS MELTING MACHINE / BHATTI



Graphite Crucible

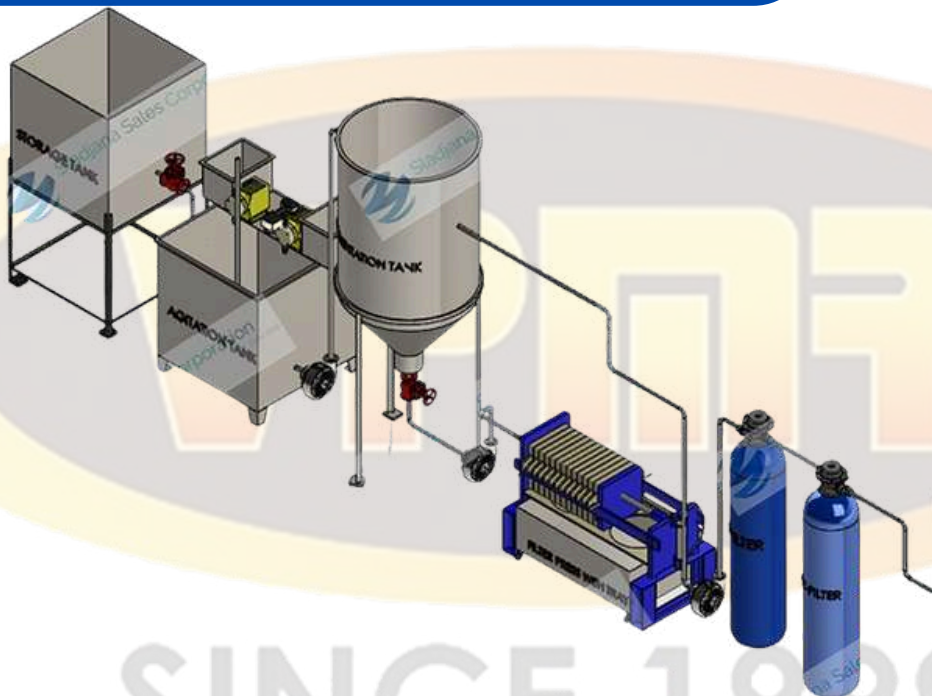
A gas melting machine is a high-temperature furnace used for quickly melting gold, silver, copper, and other non-ferrous metals using LPG or natural gas as fuel. It features efficient insulation, adjustable flame control, and a durable metal body designed for continuous industrial use. With a temperature capacity of up to **1200–1350°C**, it ensures fast melting, low fuel consumption, and safe handling, making it ideal for jewellery workshops, refining units, casting applications, and metal processing industries.

INDUCTION MELTER WITH GRANULATOR



An Induction Melter with Granulator is a fast and efficient system used to melt and convert metals like gold and silver into uniform granules in a short processing time, usually **10–20 minutes** depending on capacity. The induction unit melts the metal using precise electromagnetic heating, while the granulator instantly cools the molten metal through a controlled water system to produce clean, round granules. This setup reduces metal loss, improves purity, and offers safe, automated handling—making it ideal for refining plants, bullion production, and jewelry manufacturing.

EFFLUENT TREATMENT PLANT (WASTE CHEMICAL WATER TREATMENT PLANT)

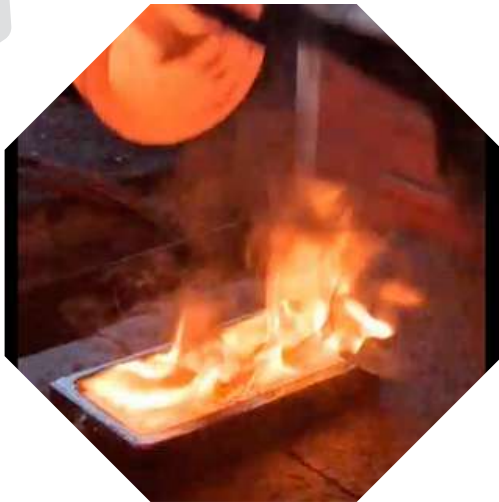


Effluent Treatment Plants (ETP) are essential solutions used to purify industrial wastewater before reuse or safe discharge. Industrial effluent often contains hazardous chemicals, suspended solids, oils, acids, alkalies, and heavy metals that can harm the environment if released untreated. Our ETP systems are engineered to help industries meet regulatory discharge norms while promoting environmental sustainability and resource recovery.

Our treatment process begins with Physico-Chemical Treatment, where contaminants are neutralized and separated effectively. The treated water then passes through advanced polishing stages, which may include Sand Filtration, Activated Charcoal Absorption, Ozonisation, Ultra Filtration (UF), Reverse Osmosis (RO), and optional Evaporation for complete water recovery. Each stage is carefully designed to progressively remove impurities, ensuring optimal purification quality.

These systems are designed for reliability and easy operation, with a compact layout that saves space. Their efficient sludge management simplifies disposal, resulting in low running costs, minimal maintenance, and consistently effective purification.

We provide ETP solutions ranging from 200 litres to 10,000 litres, customizable based on capacity, effluent type, and process requirements. Whether for small-scale refining units or large industrial facilities, our Effluent Treatment Plant offers a long-term, compliant, and eco-friendly wastewater management solution that supports improved sustainability and operational efficiency.



SERVICE & SUPPORT

Venus Precious Metal Refinery / Sladjana Sales Corporation is known for quality and customer oriented service. We are ISO certified & BIS accredited company. Our customers are based not only in India, but in other countries too. We are in the industry from last 3 decade. Our service begins with the moment you start talking to us continuing for initial enquiry to fulfillment of your order, we customize product as per customers need, provide installation & training and serve throughout the life of your product.

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