



Formerly the
Conflict-Free Sourcing Initiative
CONFORMANT SMELTER GOLD



BANGALORE REFINERY

THE GOLD STANDARD IN PRECIOUS METALS & TECHNOLOGY



Refining & Recovery of PGM

Platinum, Gold and
Silver Coins & Bars

Master Alloys

Jewellery Findings

Precious Metal Chemicals &
Industrial Engineering Products

18 K Custom Made Gold Watches &
Watch components

A tradition of trust

Over the years, Bangalore Refinery has gained an enviable reputation for Proficiency, Trustworthiness and Reliability.

Every operation of the group guarantees the highest quality products and services at the most reasonable rates. Thousands of our customers are satisfied with our strong focus on delivery, sincerity and professionalism. Our manufacturing processes utilize state-of-the-art equipment to ensure that our valued customers get only the best products. The company prides itself for its on-time delivery, guarantee of purity and excellent after sales services.

Our many activities include Precious Metal Refining and Recovery, Precious Metal Industrial Products and Chemicals, Master Alloys, Jewellery Findings, Gold Watches as well as Coins and Bars.



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Precious Metal Chemicals and Engineering Products

Bangalore Refinery's precious metal products are used extensively as electroplating chemicals, catalysts for active pharmaceutical ingredients, emission control catalysts, lab wares and calibration products. We are also a widely trusted and high-quality supplier of silver anodes and granules.

We provide a one stop solution to the end users, from precious metal compounds to their subsequent recovery and refining. We are the largest precious metal based electroplating chemical manufacturer in India.

Our top-quality products and solutions are specially adapted to suit your specific requirements and add a competitive edge to your products.



GOLD

Compound	Formula	Metal Content (%)	Purity (%)
Gold Potassium Cyanide	K[Au(CN)2]	68.3	99.9
Tri-Valent Gold Potassium Cyanide	K[Au(CN)4]	57	99.9
Gold (III) Chloride	AuCl3.2H2O	58	99.9
Chloro - Auric Acid	HAuCl4.H2O	50	99.0
Gold (iii) Chloride (CAS No. 13453-07-1)	AuCl3	(47-49)%	99.9

SILVER

Compound	Formula	Metal Content (%)	Purity (%)
Silver Potassium Cyanide	K[Ag(CN)2]	54	99.9
Silver Cyanide	AgCN	80	99.9
Silver Nitrate	AgNO3	63.5	99.9
Silver Chloride	AgCl	75	99.9
Silver Acetate	CH3COOAg	64	99.9
Silver Oxide	Ag2O	93.1	99.9
Silver Sulphate	Ag2SO4	69	99.9

PALLADIUM

Compound	Formula	Metal Content (%)	Purity (%)
Palladium (II) Chloride	PdCl2	60	99.9
Palladium Diamine Dichloride	[Pd(NH3)2Cl2]	50	99.9
Palladium Tetra-amine Sulphate	[Pd(NH3)4]SO4	39	99.9
Palladium Nitrate dihydrate (CAS No.10102-05-3)	Pd(NO3)2.2H2O	40.00%	99.9
Palladium Oxide Anhydrate (CAS No. 1314-08-5)	PdO	86.06%	99.9
Palladium Acetate (CAS No. 3375-31-3)	[Pd(O2CCH3)2]3	(47-50)%	99.9
Palladium Oxide Hydrate	PdO.xH2O	75%	99.9

PLATINUM

Compound	Formula	Metal Content (%)	Purity (%)
Chloro - Platinic Acid	H2PtCl6 .XH2O	42	99.9
Platinum (II) Chloride	PtCl2	74	99.9
Platinum Nitrate (CAS No. NA)	Pt(NO3)4	(16-30)%	99.9
Platinum (IV) Oxide Hydrate (CAS No. 1314-15-4)	PtO2.xH2O	85.90%	99.9



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RHODIUM

Compound	Formula	Metal Content (%)	Purity (%)
Rhodium (III) Chloride Hydrate	RhCl ₃ .H ₂ O	39.43	99.9
Rhodium (III) Chloride Anhydrous	RhCl ₃	49	99.9
Rhodium Sulphate	Rh ₂ (SO ₄) ₃ .XH ₂ O	20	99.9
Rhodium plating solution	Rh ₂ (SO ₄) ₃ solution	2gm/100 ml	99.9

RUTHENIUM

Compound	Formula	Metal Content (%)	Purity (%)
Ruthenium (III) Chloride Hydrate	RuCl ₃ .H ₂ O	38.43	99.9
Ruthenium (III) Chloride Anhydrous	RuCl ₃	48.5	99.9
Ruthenium (II) Oxide Hydrate	RuO ₂ .H ₂ O	66.9	99.9

PRECIOUS METAL CATALYSTS

Catalysts	Metal Loading (%)
Palladium on Carbon	2, 2.5, 5, 10
Platinum on Carbon	1, 2, 5
Platinum Oxide (Adam's Catalyst)	80 - 85, 76 - 80

ENGINEERING PRODUCTS

GOLD

Product	Purity (%)
Sputtering Target	99.99
Anode	99.99
Wire for PVD	99.99
Pellet	99.99
Granule	99.99
Sheet	99.99

SILVER

Product	Purity (%)
Sputtering Target	99.99
Anode	99.99
Granule	99.99
Sheet	99.99
Wire	99.99
Pellet	99.99

PLATINUM

Product	Purity (%)
Wire	99.95

PLATINUM LABWARE

Product	Purity (%)
Crucible	99.95
Dish	99.95
Crucible Tong	99.95

THERMOCOUPLE WIRES

Type	Temperature Range (Celcius)
R-Type Platinum/Platinum-13% Rhodium	Up to 1500
S-Type Platinum/Platinum -10% Rhodium	Up to 1550
B-Type Platinum-30% Rhodium/Platinum -6% Rhodium	Up to 1600



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PRECIOUS METAL REFINING AND RECOVERY



PRECIOUS METAL REFINING AND RECOVERY

Bangalore Refinery's state-of-the-art facility and stringent quality norms ensure the highest standards of refining and recovery of precious metals. We help you maximise your yield from precious metal scrap.

- Highly trained and experienced recovery specialists
- Most advanced automated machinery
- Modern metal recovery furnaces

We also offer collection service for your scrap and sweeps

Precious metal is returned to you as per your requirement as pure metal or industrial products

We recover precious metal from

- Scrapped Jewellery
- E Waste
- Zari Work
- Manufacturing Wastage
- Industrial Chemicals and Products
- Precious Metal Catalysts
- Mined Gold

Analytical Services

The state of the art, NABL and BIS accredited lab at Bangalore Refinery offers you the most advanced analytical services. Our highly trained technicians and chemists will accurately test your samples using Fire Assay X-Ray Fluorescence analysis and Potentiometric Equipment, Atomic Absorption Spectrophotometer so you are assured that each jewellery, chemical or engineering product you use is pure and free of any dangerous metal.

You can also, utilize our services to test your precious metal and manufactured products to analyse their purity.



OEM WATCHES AND COMPONENTS

Bangalore Refinery's Horological Division works closely with the leading watch brands to help design, develop and manufacture watches for them.

The division also specializes in the supply of components such as crowns, cases, bezels, indices and bracelets made of various precious metals.

We also provide services such as stone sourcing and setting on various components.



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PLATINUM, GOLD, SILVER COINS & BARS

Bangalore Refinery is the leading manufacturers of Indian bullion coins and bars since 1977.

Our refining process combined with forming techniques result in extremely homogeneous coins and bars.

- Customization of bars and coins as well as packing cards.
- 999 purity in weighing from 0.5 g to 100g
- Available on Amazon, Flipkart & Paytm.
- Can be delivered pan India
- Excellent buy back options with attractive return on investment



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MASTER ALLOY FOR GOLD JEWELLERY

Master Alloy Nos.	Karatage	Colour	Jewellery Type			
			Casting	Hand Made	Chains	Machine Made
YM801	22/18	Deep Yellow	No	Yes (22 KT)	Yes (18 KT)	Yes
PYG801SP	22	Pinkish Yellow	Yes	Yes (22 KT)	Yes (22 KT)	Yes
YC892	22/18	Deep Yellow	Yes (22/18 KT)	No	No	No
PYG-PX4	22	Pinkish Yellow	Yes	Yes (22 KT)	Yes	Yes (22 KT)
WC1074	18	White	Yes	No	No	Yes (18 KT)
PG909	22/18	Pink	Yes (22/18 KT)	Yes (22 KT)	No	Yes (18 KT)

MASTER ALLOY FOR SILVER JEWELLERY

Master Alloy Nos.	Karatage	Colour	Jewellery Type			
			Casting	Hand Made	Chains	Machine Made
SA765	Silver 925	White	Yes	Yes	No	No

PRESENTS MASTER ALLOY FOR GOLD & SILVER JEWELLERY



- Obtain uniform shade and shine in jewellery manufactured by different karigars
- Reduce Production Losses and Save 0.3% to 1% Gold
- Consistent Colour in White, Pink, Yellow, and Red
- Increase Productivity
- Reduce Defects
- Better Finish

Available in convenient packings of 25 gms, 50 gms, 100 gms, 250 gms, 500 gms and 1 Kg



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FINDINGS

While most jewellery is of impeccable quality, the same does not hold true when it comes to their findings. Who better than Bangalore Refinery to address this concern? We offer the best Findings of international standards at reasonable rates to jewellers across India. Our findings are manufactured at our Bengaluru factory by experienced and trained staff using state of the art imported precision machines. At Bangalore Refinery, we make the best Findings to enable you to offer your clients the quality products they truly deserve.

South Screw

- Solid Pipe • 20 Plus Thread in post • One Side Closed for Better Soldering Grip
- 22kt & 18 kt**

Type	Weight 22 KT	Weight 18 KT	Pipe Dia Length	Pipe Dia	Tread Length	Tread
S S 5.5	0.56gm	0.480gm	1.40mm	6.50mm	1.00mm	4.50mm
S S 6.6	0.96gm	0.820gm	1.6mm	7.80mm	1.20mm	6.00mm
S S 7.4	1.25gm	0.950gm	1.6mm	7.80mm	1.20mm	6.00mm
S S 9.0	1.35gm	1.100gm	1.6mm	7.80mm	1.20mm	6.00mm



• Lobsters

- Long Life Spring Action • Flat Surface for Better grip

Type	Weight 22 kt	Weight 18 kt	Length	Width
SMALL	0.55gm	0.46gm	8.50mm	3.28mm
MEDIUM	0.85gm	0.73gm	10.50mm	4.10mm
BIG	1.25gm	1.05gm	12.50mm	4.90mm



North Screw English Screw

- Solid Screw • Micro nut for Secure Locking

Type	Weight 22 kt	Weight 18 kt	Tread Length	Tread Dia	Nut Dia
B S 5.5	0.85gm	0.72gm	10.00 mm	1.00mm	5.50mm
B S 6.2	1.15gm	0.98gm	10 or 12 mm	1.20mm	6.20mm
B S 6.8	1.30gm	1.10gm	10 or 12 mm	1.40mm	6.80mm
B S 7.4	1.45gm	1.25gm	10 or 12 mm	1.44mm	7.40mm




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Nose Pin / Nose Screw

- Solid Screw • Smooth Pipe • Pipe and Cup without Soldering

Type	Weight 22kt	Weight 18kt	Pipe Length	Tread Dia
NORTH TYPE	0.18gm	0.12gm	6.5mm	1.3mm
NORTH TYPE	0.25gm	0.20gm	8.0mm	1.3mm



Push Nut

- Solid Rod • Smooth Surface • Single Plate Push

Type	Weight	Post Length	Width	Karat
English	0.950gm	10 or 12 mm	6.80mm	18K



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BANGALORE REFINERY

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