

GLOBAL PRESENCE



“ SOLUTIONS FOR SUCCESSFUL GOLD MINING OPERATIONS ”



- 20+ Countries Served
- 4 Continents Active
- 29+ Years Operation
- 5-500 Tones Per Hour

- Alluvial Mining
- Hard Rock Mining
- Fire Assay Lab
- Experts on Board
- Engineering, Procurement & Commissioning

APEXX GOLD MINING SOLUTION PVT. LTD.

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Formerly known as ARSPL

APEXX GOLD MINING EQUIPMENTS

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Apexx Gold Mining Solution Pvt. Ltd.

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WHY APEXX?

"Your mining site is unique and so is every solution we design. APEXX has spent nearly three decades refining the art of making gold recovery efficient, profitable, and responsible — whatever the geography."

ABOUT US

Apexx Gold Mining Equipments is a leader of customized solutions in mining consultancy and engineering services — offering everything from planning and strategy to design and development under one roof.

VISION

"To drive the future of gold mining through innovation, precision, and sustainable recovery technologies."

MISSION

"To deliver complete mining solutions through advanced engineering and high-performance equipment, maximizing recovery and operational efficiency."

20+
Countries Served

4
Continents Active

29+
Years Operation

5-500
Tones Per Hour

SIX REASON TO CHOOSE US-



END TO END SOLUTIONS



SUSTAINABLE RECOVERY METHODS



MAXIMUM ROI, MINIMUM PAYBACK



PROVEN GLOBAL TRACK RECORD



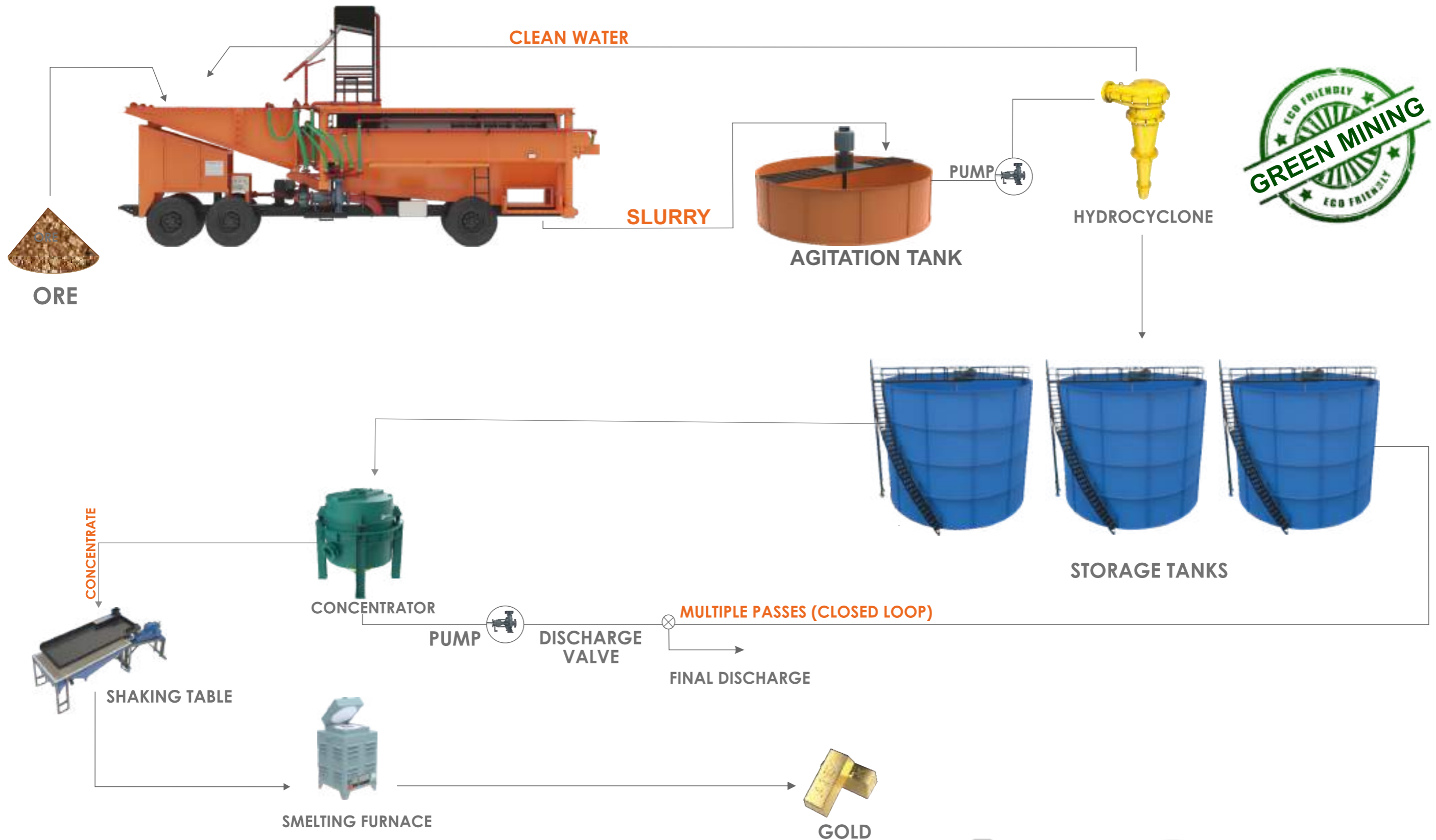
PRECISION-ENGINEERED EQUIPMENT



WORLD-CLASS LEADERSHIP TEAM

ALLUVIAL GOLD MINING

HIGH RECOVERY METHOD
(100/125/150 TPH)





TECHNICAL SPECIFICATIONS

MODELS	Solid Feed (TPH)	Operational Capacity (TPH)	Trommel Length	Trommel Effective Dia.	Hopper Size	Engine Cylinders	Pump suction Flange	No. of Tyres	Both side slurry channel
M300	100	300	15'	60"	12' x 9'	6CYL.	6"	6	✓
MM400	125	400	17'	70"	13' x 12'6"	6CYL.	8"	12	✓
MM500	150	500	20'	79"	13' x 12'6"	6CYL.	8"	12	✓

HARD ROCK MINING

Engineered for Excellence: High-Capacity Hard Rock Gold Processing

Our hard rock gold mining solutions are engineered to deliver a formidable plant capacity of up to **100 tonnes per hour**, ensuring your operations meet the most demanding production targets without compromise. By integrating the industry's latest machinery for primary crushing, fine grinding, and precision screening, we create a seamless flow from raw ore to refined asset. Our methodology bridges the gap between traditional reliability and modern innovation, utilizing advanced gravity separation and beneficiation to maximize initial recovery.



Maximum Recovery & Minimum Payback Time

APEXX delivers advanced, efficient, and sustainable solutions to maximize gold recovery while minimizing losses. Our high-performance equipment and expert consultancy help reduce payback time and ensure profitable, long-term mining operations.



Mastering Water Efficiency



APEXX leads the way in reducing water consumption in gold mining through innovative and sustainable solutions. Our advanced processes minimize water usage without compromising performance, ensuring responsible, eco-friendly, and efficient mining operations.

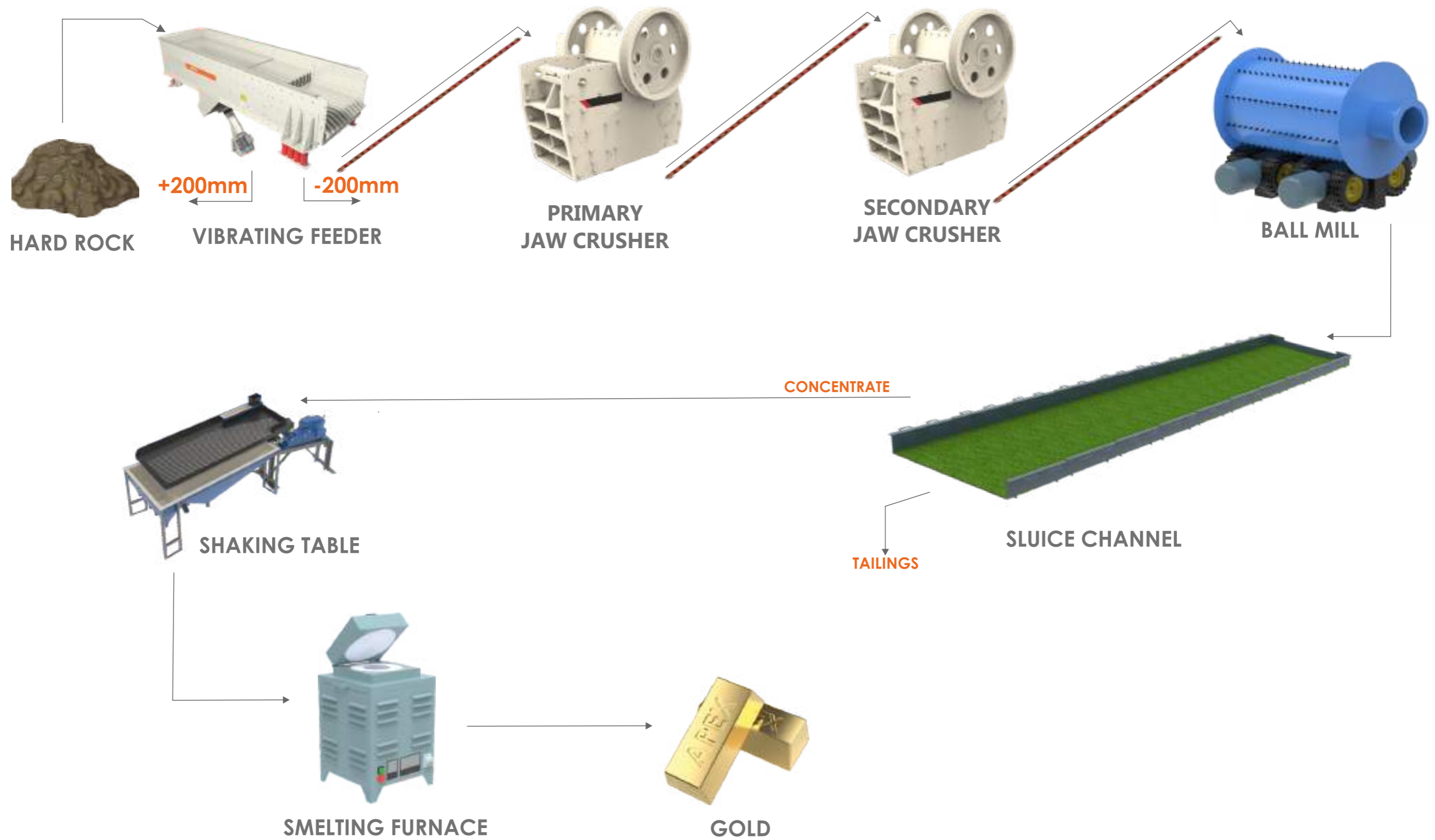
HARD ROCK GOLD MINING METHODS & CAPACITIES

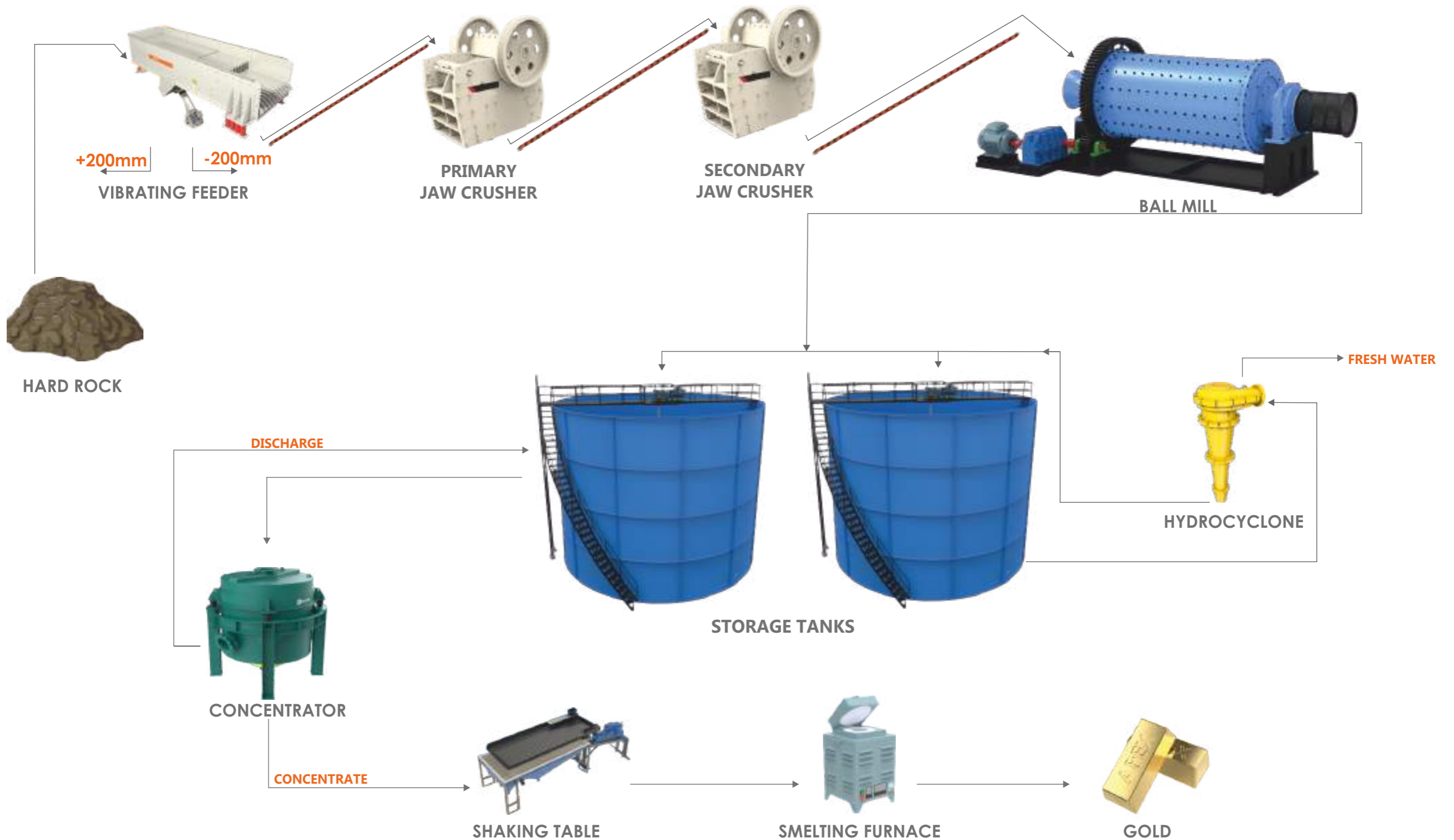


MAIN EQUIPMENTS	MODERATE RECOVERY METHOD	HIGH RECOVERY WITH PHYSICAL METHOD	HIGH RECOVERY WITH PHYSICAL & CHEMICAL METHOD	HIGH RECOVERY WITH CHEMICAL METHOD
	<ul style="list-style-type: none"> Jaw Crusher Ball Mill Shaking Table Sluice Channel 	<ul style="list-style-type: none"> Jaw Crushers Ball Mills Vibrating Screens Hydro Cyclones Storage Tanks Concentrators Shaking Tables 	<ul style="list-style-type: none"> Jaw Crushers Ball Mills Vibrating Screens Hydro Cyclones Concentrators Shaking Tables Leaching Tanks Carbon In Pulp Process Electrolysis 	<ul style="list-style-type: none"> Jaw Crushers Ball Mills Vibrating Screens Hydro Cyclones Leaching Tanks Carbon In Pulp Process Electrolysis
CAPACITIES (SOLIDS)				
5 TPH	Method-21	This process becomes costly at lower capacities.	This process becomes costly at lower capacities.	This process becomes costly at lower capacities.
15 TPH	Method-22			
25 TPH	To achieve better efficiency switch to high-recovery processes.	Method-24		Method-29
50 TPH		Method-25	Method-27	Method-30
100 TPH		Method-26	Method-28	Method-31

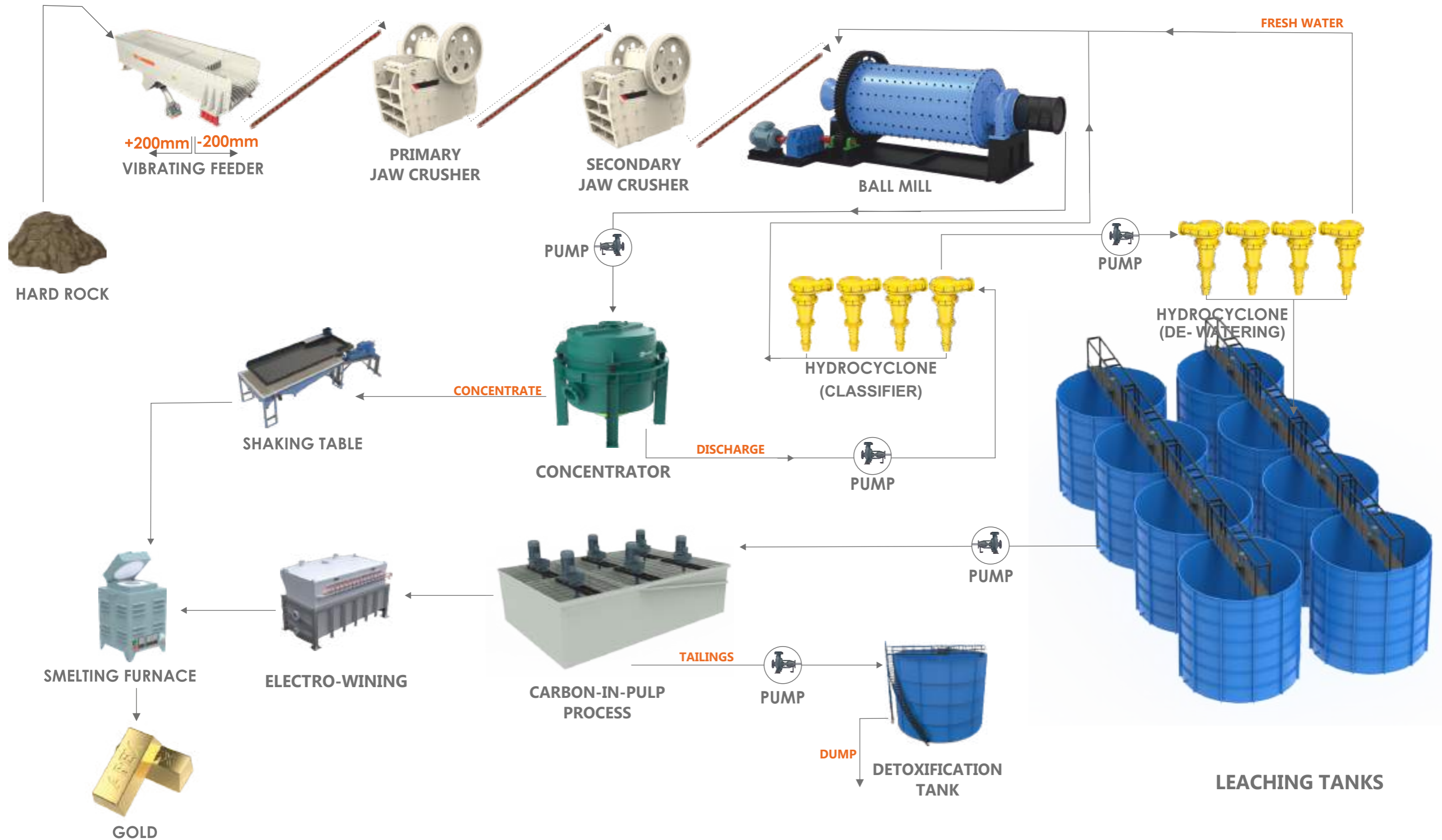
CUSTOMISED PRODUCTS ARE AVAILBALE ON REQUEST

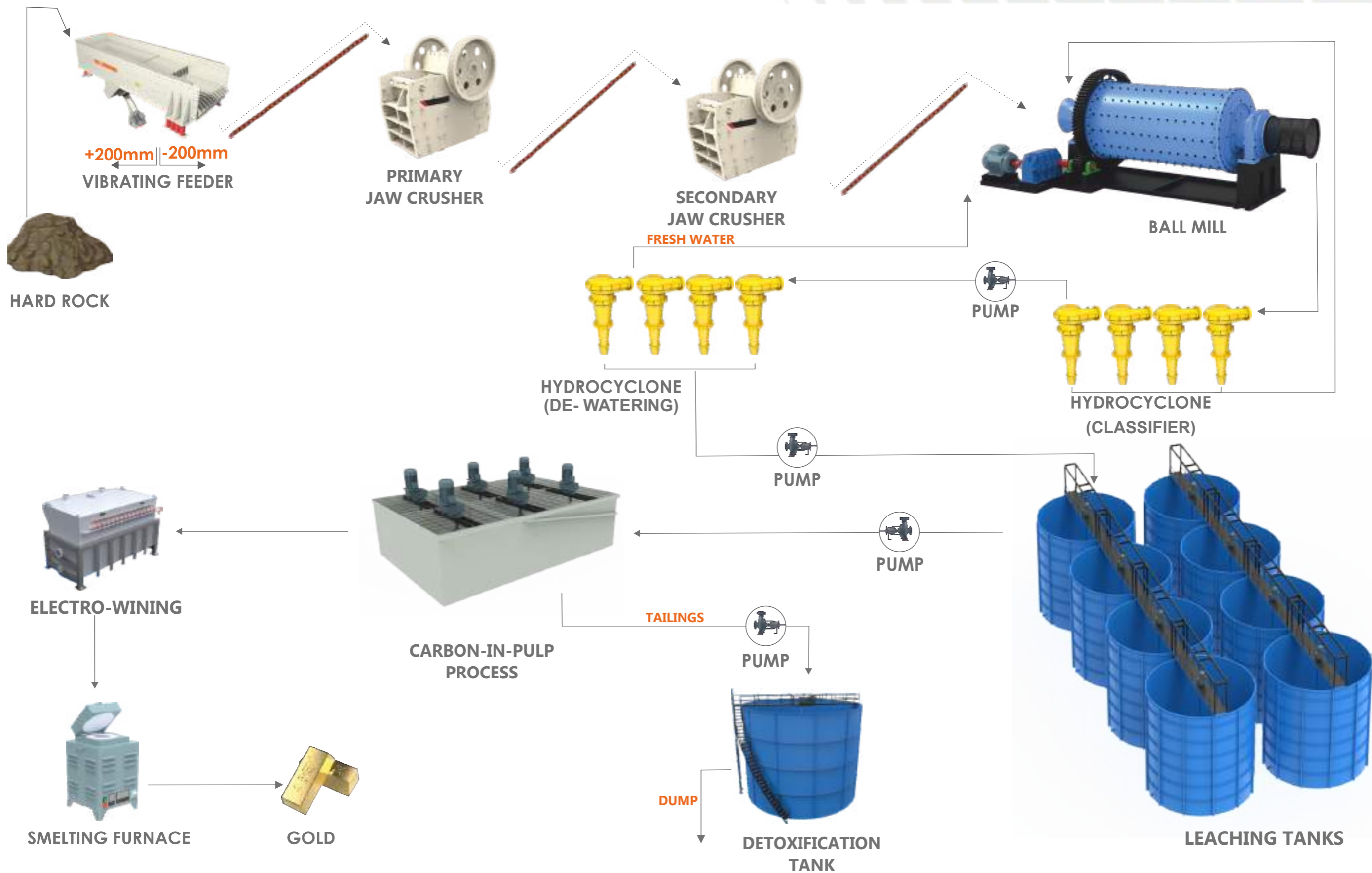
MODERATE RECOVERY METHOD (5/15TPH)





HIGH RECOVERY WITH PHYSICAL & CHEMICAL METHOD (50/100TPH)





ENGINEERING, PROCUREMENT & COMMISSIONING

ENGINEERING :

APEXX delivers customized engineering that transforms geological data into high-performance reality. Through in-depth process studies and metallurgical analysis, we design optimized flowsheets to maximize gold recovery for your specific ore type. From initial mine planning to infrastructure, APEXX integrates environmental and safety standards from the ground up, ensuring a seamless, low-risk transition from design to the field.



COMMISSIONING

APEXX provides expert on-site technical support to bridge the gap between construction and full production. Our commissioning specialists fine-tune all systems to enhance gold recovery and ensure circuits operate at peak designed efficiency. By providing hands-on troubleshooting and guidance, APEXX equips your team to maintain high output levels while strictly adhering to international safety and environmental regulations.



PROCUREMENT :

APEXX streamlines your supply chain through strategic equipment selection that prioritizes efficient, cost-effective operations. Our procurement team leverages technical expertise to source high-tier, "fit-for-purpose" machinery tailored to your site's specific conditions and production targets. By managing global vendor relationships and logistics, APEXX reduces total cost of ownership, ensuring every component contributes to a leaner, more profitable bottom line.



FIRE ASSAY LAB SETUP



Complete Lab Setup for Precise Gold Testing & Quality Control

APEXX delivers fully integrated gold testing laboratories designed for maximum accuracy and consistency. Our setups are engineered to meet international standards, ensuring precise analysis and strict quality control across all testing stages.

End-to-End Supply, Installation, Commissioning & Training

APEXX provides a complete turnkey solution — from sourcing high-quality lab equipment to on-site installation and commissioning. Our expert team also conducts hands-on training to ensure your staff can operate the laboratory efficiently and confidently.

High-Precision Equipment for Reliable Fire Assay Results

APEXX supplies advanced, high-precision instruments specifically designed for fire assay testing. Our equipment ensures repeatable, accurate results, helping clients achieve reliable gold recovery data and maintain testing integrity.

Customized Lab Layouts for Optimal Workflow & Capacity

APEXX designs customized lab layouts tailored to your specific throughput requirements, reducing operator fatigue and eliminating bottlenecks in the sample-to-result pipeline.

Advance Lab Software for Data Management & Reporting

APEXX integrates modern lab management software that enables real-time data recording, analysis, and reporting. Easily store, track, and share test results with complete transparency and accuracy.



EXPERTS ON BOARD



Mr. Kawaljit Singh Dhama

Managing Director

Mr. Dhama has over 30 years of experience in consulting, business planning as well as managing various engineering industries including gold mining. He is a Mechanical Engineer and hold an MBA in operations management as well as the Six Sigma master black belt certification.



Mr. Krista Naik

Technical Director (Engineering)

Mr. Krista Naik is an experienced Chartered Engineer with 30 years spent in operations and project management for large scale gold mining projects. He is a specialist in planning, designing, procurement, installation and commission of large-scale beneficiation plants. He is an expert in optimizing SAG mill & Ball mill and is familiar with different geographies viz. Armenia, Togo, Ghana and India.



Mr. Shankar Gouda

Technical Director (Metallurgy)

Mr. Shankar Gouda has passion for innovation in Gold, Copper and Tungsten extraction. With over 5-decades of experience at top positions in mining operations, metal processing plants and R&D in India, he is an expert in Bio leaching, refining and assaying. He has also dealt with various types of ores in different geographics of the world viz. Tanzania, Armenia, Togo and Ghana.



Mr. Shanth Kumar

Technical Director (Mining & Geology)

Mr. Shanth Kumar is an eminent mining engineer and has over 4-decades of experience as project head with a premier gold producer in India. He specializes in Shaft sinking, Mine Mechanized Development and Production, Survey, Geology, Ventilation, Rock Mechanics, Mine de-watering system and Planning with software. he also has wide exposure to mining activities in Open pit mining as well as in Deep metal mechanized underground mines operating almost one km below the surface.



Mr. Apsar Mia

Technical Director (Mining & Geology)

Mr. Apsar Mia is an experienced mining engineer with more than 4-decades of experience in different large-scale gold mining operations. He is a seasoned mining expert with exceptional insights for hard rock mining, planning, organizing and implementation.

EQUIPMENTS



Vibrating Grizzly Feeder

Apexx Vibrating Grizzly Feeders feature a robust design with capacities from 15 TPH to 50 TPH, ensuring continuous material flow to crushers with minimal downtime, low wear, and efficient handling of large hard rocks.



Ball Mill

Apexx Ball Mills are advanced grinding solutions for both wet and dry applications, available from 15–50 TPH with higher customized capacities on request. Equipped with PLC automation and instrumentation, they deliver efficient performance, reliable operation, and easy maintenance.



Washing Plant

APEXX Gold Washing Plants (100–150 TPH) are efficient, easy to operate, and built for mobility. Powered by a diesel engine with a unique single-chassis drive system, they ensure high throughput, fast processing, excellent recovery, and easy maintenance.



Concentrator

APEXX Semi-Continuous Gravity Concentrators (150–400 TPH) use advanced centrifugal and fluidized bed technology for high recovery of fine gold and precious metals. Built for durability, easy maintenance, and flexible operation, they are ideal for hard rock and alluvial mining.



Shaking Deck

A type of gold washing plant engineered to capture the maximum amount of free gold within its system, specially developed for small-scale alluvial mining operations



Shaking Table

APEXX Shaking Tables are precision-engineered to efficiently separate free gold from lighter minerals and sand. Using advanced gravity separation, they deliver high recovery, consistent performance, and reliable operation in demanding mining conditions.



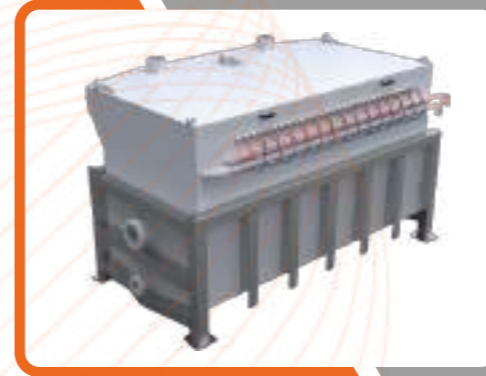
Jaw Crusher

APEXX Jaw Crushers handle the toughest feed materials with high productivity, low operating cost, and easy maintenance. Available from 5–50 TPH, they feature a single-toggle design, high reduction ratio, and proven reliability for gold mining applications.



Vibrating Screen

APEXX Vibrating Screens, available from 3' x 5' to 5' x 16' with up to 4 decks, are built for heavy-duty scalping and high-capacity screening. They offer long bearing life, easy retrofit installation, high productivity, and low maintenance for reliable material sizing across industries.



Electrolysis

In this setup Gold desorption and Electro winning is carried out in Elution column and Electro winning cell efficiently & effectively.

Floatation Machine

This machine is used for agitation and frothing, to reduce concentrate and gang material ratio for economical operations.



Slurry Tank

APEXX Slurry Storage Tanks, available from 50 m³ to 200 m³, are designed for efficient slurry storage after ball milling. Equipped with continuous agitators to prevent sedimentation, they ensure uniform mixing, reliable performance, and smooth plant operation.



Smelting Furnace

Our smelting furnaces are designed & manufactured to withstand high temperatures with full safety and are capable to extract & refine gold from its ore.



Hydrocyclone

APEXX CVX Series Hydro Cyclones, available as single units or clusters, provide efficient particle classification, de-sliming, and de-watering. Engineered for high hydraulic capacity and long wear life, they ensure smooth slurry flow, reduced turbulence, and consistent performance.



Carbon in pulp (CIP):

This equipment is designed and manufactured to extract all the dissolved gold on activated carbon by adsorption.



