BALESTRI TECHNOLOGIES

Chemical refining plants for Gold



Gold refining plants utilizing Aqua Regia
and Nitric Acid inquartation

MADE IN ITALY

Chemical refining plants for Gold

Balestri Technologies produces a comprehensive range of chemical gold refining plants, tailored to meet the demands of both small and large-scale industrial operations.

Our plants employ advanced aqua regia and nitric acid parting processes, guaranteeing high-purity gold output (≥99.95%).

Our systems are engineered to efficiently manage by-products, such as silver, optimizing material recovery and enhancing economic value.

We provide plants with adaptable levels of process automation, enabling tailored configurations to meet specific production requirements.

Each solution is designed to actively promote a circular economy and sustainable resource management.

KEY FEATURES:

Flexibility: Handles the refining of various alloy types with static or rotating systems

Efficiency: Utilizing optimized processes to maximize yield and gold purity.

Versatility: Incorporating three-reactor configurations, for multiple processes within a single unit as the silver conversion and recovery.

Reactor Configuration: Reactors can be tailored as static or rotary to specific feedstock requirements.

Safety and Sutainability: Adherence to environmental and safety regulations regarding acid management, emissions, and wastewater.

Easy to use: Intuitive user interface design.

Au *STATIC*



BT-AR-002

INPUT CAPACITY (kg/batch)	Min 0,2 kg - Max 2 kg
REFINING BATCH TIME	6 - 8 hrs (Average)

BATCHES PER DAY	QUANTITY PER BATCH
1	2 KG

Au *STATIC / ROTARY*



BT-AR-006

INPUT CAPACITY (kg/batch)	Min 2 KG - Max 6 Kg
REFINING BATCH TIME	6 hrs (Average)

BATCHES PER DAY	QUANTITY PER BATCH
2	6 KG

Au STATIC / ROTARY



BT-AR-015

INPUT CAPACITY (kg/batch)	Min 4 kg - Max 15 kg
REFINING BATCH TIME	6 hrs (Average)

BATCHES PER DAY	QUANTITY PER BATCH
2	15 KG

Au STATIC / ROTARY



BT-AR-025

INPUT CAPACITY (kg/batch)	Min 8 kg - Max 25 kg
REFINING BATCH TIME	6 hrs (Average)

BATCHES PER DAY	QUANTITY PER BATCH
2	25 KG

Au STATIC / ROTARY



BT-AR-050

INPUT CAPACITY (kg/batch)	Min 20 kg - Max 50 kg
REFINING BATCH TIME	6 hrs (Average)

BATCHES PER DAY	QUANTITY PER BATCH
2	50 KG

Au STATIC / ROTARY



BT-AR-100

INPUT CAPACITY (kg/batch)	Min 20 kg - Max 100 kg
REFINING BATCH TIME	6 hrs (Average)

BATCHES PER DAY	QUANTITY PER BATCH
4	100 KG

BALESTRI TECHNOLOGIES

CHEMICAL AND REFINING PLANTS FOR PRECIOUS METALS
DESIGN AND MANUFACTURING

facebook.com/balestritechnologies

linkedin.com/company/balestri-technologies-srl

youtube.com/balestri-technologies

Product images and descriptions are intended for illustrative purposes only. The official technical specifications are detailed in the documentation supplied at the time of purchase. We reserve the right to modify product specifications.

www.balestritechnologies.com