Chemical **Brightening plant technique known as "Bombing"**

Immersion surface finishing system. It leverages a controlled chemical reaction between the metal alloy and the hydrogen peroxide and cyanide-based solution. The process thoroughly cleans hard-to-reach areas and eliminates surface micro-imperfections, ensuring uniform brilliance. The final result is a color enhancement of the treated alloy.
Designed to meet the demands of industrial production, with a working chamber suitable Plants for processing small to large quantities, the plant ensures complete operator safety. It is also equipped with a storage and filtration tank for exhausted liquids for the subsequent recovery of precious metals present in the solution.

BT-CHBR

Au Ag BR



- Total Safety
- Remote Assistance
- Metal Recovery

TECHNICAL DETAILS:

Processing Cabinet: Equipped with a reactor operating under fume extraction.

Controlled Solution Preparation: Batch dose prepared per single lot in a dedicated loading bottle, and heated to the required temperature based on operational parameters (alloy type and carat).

Activator Addition: H_2O_2 addition is performed manually to ensure full reaction control.

Control Panel: System management via a Touch Screen (with Remote Assistance capability).

Material Recovery: Includes an Exhaust Storage/ Filtration Unit for the subsequent recovery of precious metals in solution.

INTEGRATED ELECTROLYTIC RECOVERY:

The chemical polishing plant pairs with electrolytic recovery (electrowinning) for the extraction of precious metals from spent liquids. This integration ensures **high value recovery** (closing the loop) and minimizes the environmental impact of effluents, efficiently managing resources.



BT-EW-02 WORKS WITH:

- BT-CHBR
- BT-HOL