
HYDROCHLORIC PICKLING LINE

***COSECO'S PICKLING LINE:
MINIMUM OPERATING COSTS WITH MAXIMUM
EFFICIENCY!***



Who are We?

COSECO S.r.l. is a world leading engineering and construction firm focusing on safely delivering cost-effective, technically advanced, services and equipments for metal surface treatment plants.

Thanks to our unmatched experience and more than 50 plants realized in 4 continents, our technicians are able to always provide the best solutions to meet or exceed our Customers' expectations.



Hydrochloric Pickling Line MAIN FEATURES

COSECO'S Hydrochloric Pickling Line is a modular system expressly designed to pickle metal rod wires used in several applications.

The line can be installed on-line with other production facility systems and is able to treat carbon steel rod wires of different diameters and different grade at the same time.

Thanks to its modular solution, the line is able to cover any set of diameter range, steel grade and production speed, volumes and needs. COSECO's technicians can provide specific solutions to meet all the Customers' production exigencies.

Hydrochloric Pickling Line MAIN FEATURES

Control liquid
drag-out

Control HCl
fumes

Compactness

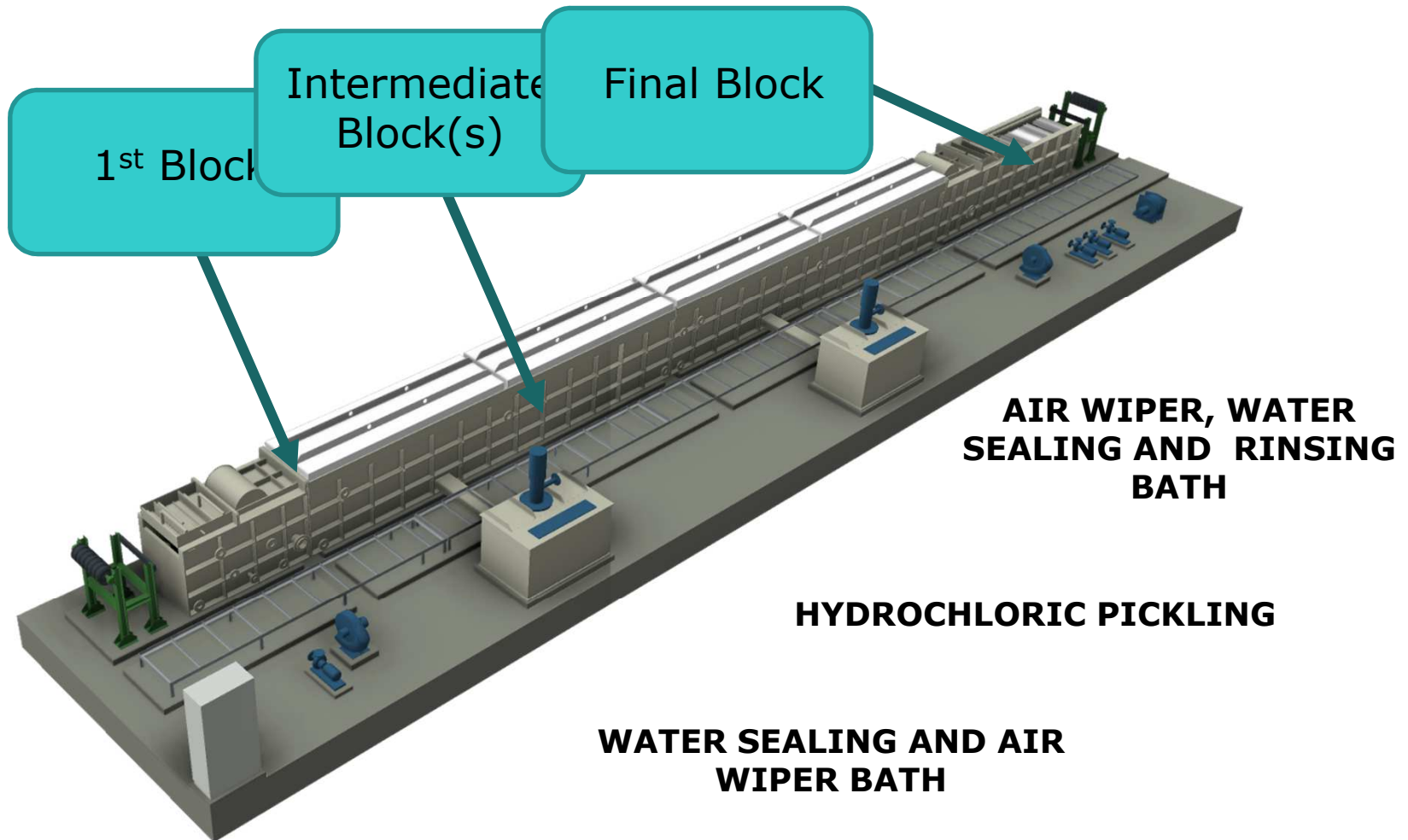
Independent
cooling
(Optional)

Maximized
acid
effectiveness

**MINIMIZING MAINTENANCE
AND OPERATING COSTS!**

MAXIMIZING EFFICIENCY!

Hydrochloric Pickling Line GENERAL VIEW



Hydrochloric Pickling Line LINE IN-LET

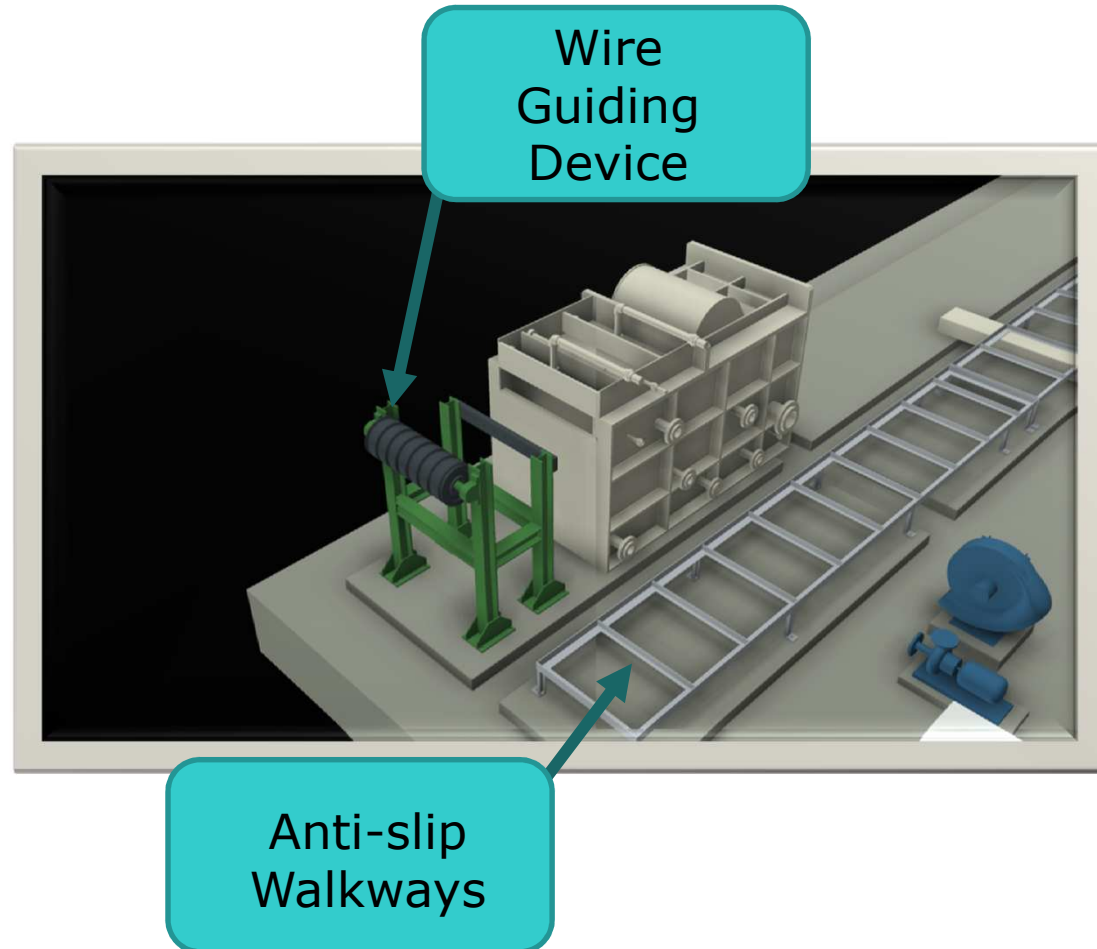
The COSECO's Hydrochloric Pickling Machine is made in polypropylene and can be easily installed on an adequate concrete basement carved directly on the ground of the factory workshop.

As a basic principle, the machine is made up by a series of polypropylene modular stocking tanks having well dimensioned wall thickness and reinforced with ribs and crossing pipes, as needed, to resist to hydrostatic forces and temperature-induced solicitations.

The blocks are arranged in a linear sequence and they forms a connected series thanks to bolting flanges and gaskets.

Pumps, fans, pickle liquor preparation tanks and all the other systems are organized on the side of the line in the double-front work access line. For single-front work access line, pumps and fans can be attached to the rear side of the line for greater compactness.

COSECO can provide several optional as wire-guiding devices, walkways, fume-hoods etc.

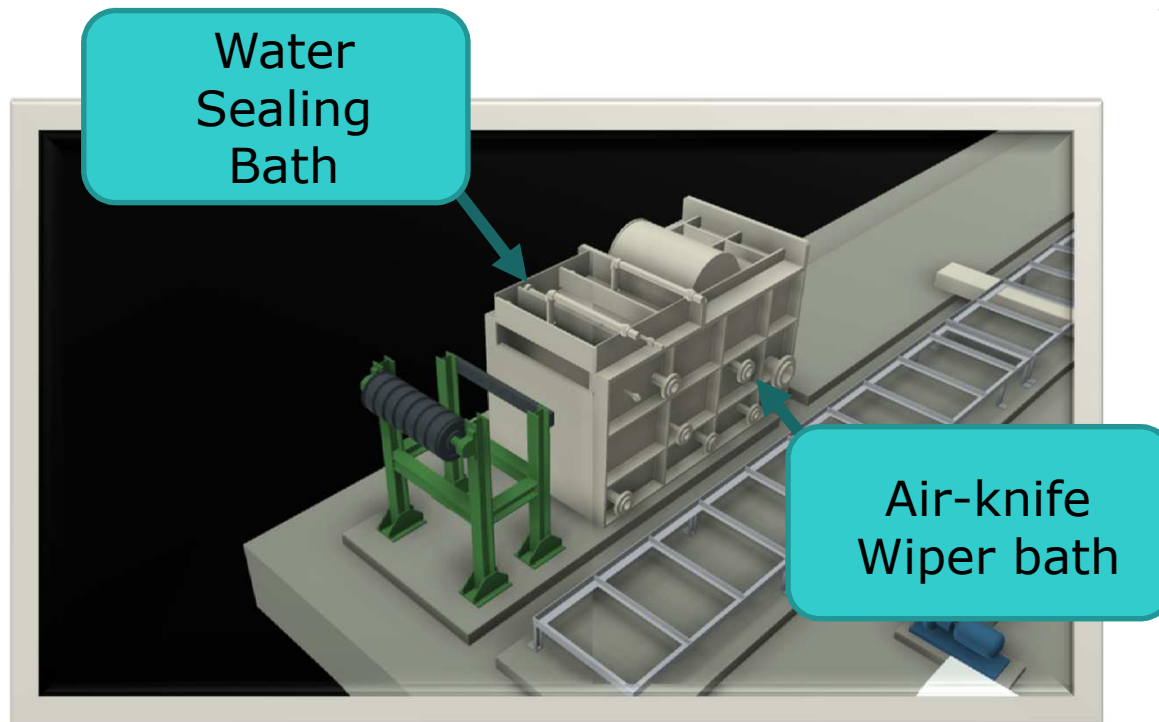


Hydrochloric Pickling Line LINE IN-LET

The first block is made up by a polypropylene tank of 2,200 mm in length divided in the two following sections: in-let water curtains sealing bath and drops collector tank with air-knife wipers system.

The drops collector tanks with air-knife wipers system are used to avoid dragged water will finish in the hydrochloric pickling solution.

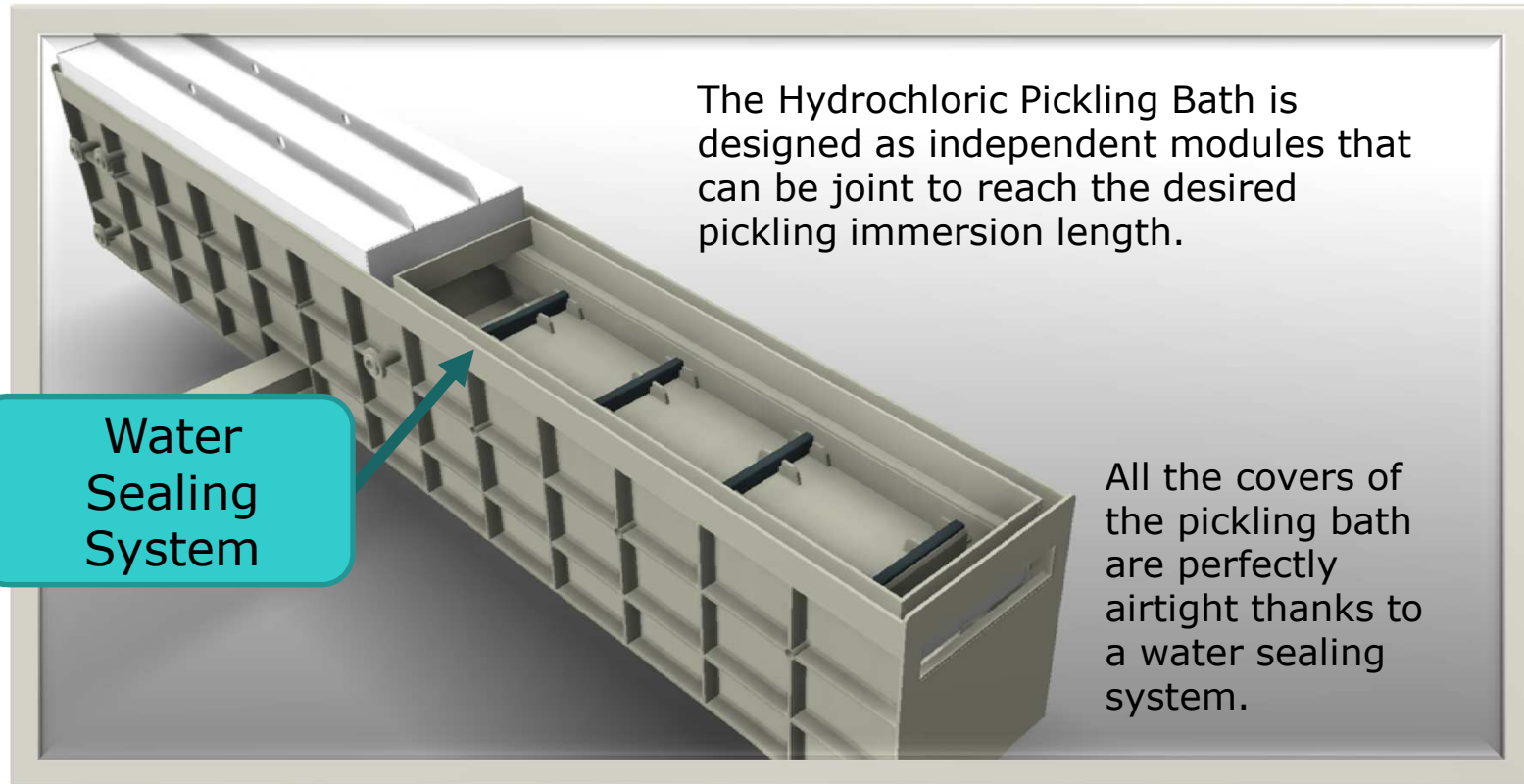
This brings to higher production speed and bigger rod wire diameters.



The water-veil traps are installed to prevent the escape of vapour from the pickle liquor. The water is pumped inside the sealing system by pumps; those pumps are installed on the rear side of the machine and connected by flexible pipes. In case of pump fault, a diaphragm valve will automatically open assuring the continuity of the veils with the industrial water from factory distribution pipe.

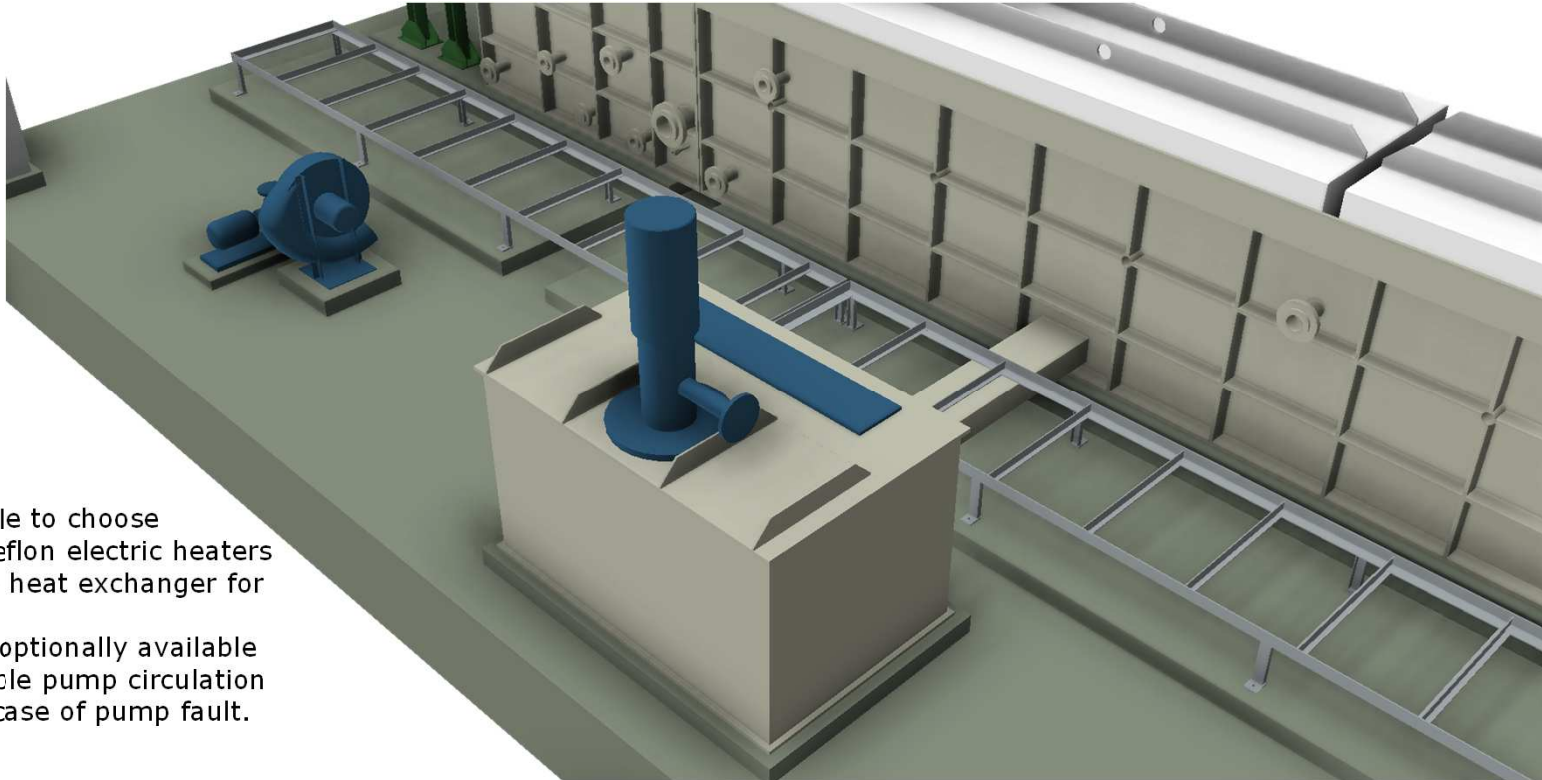
Hydrochloric Pickling Line

HYDROCHLORIC PICKLING BATH



Hydrochloric Pickling Line

HYDROCHLORIC PICKLING BATH



It is possible to choose between Teflon electric heaters or graphite heat exchanger for steam.

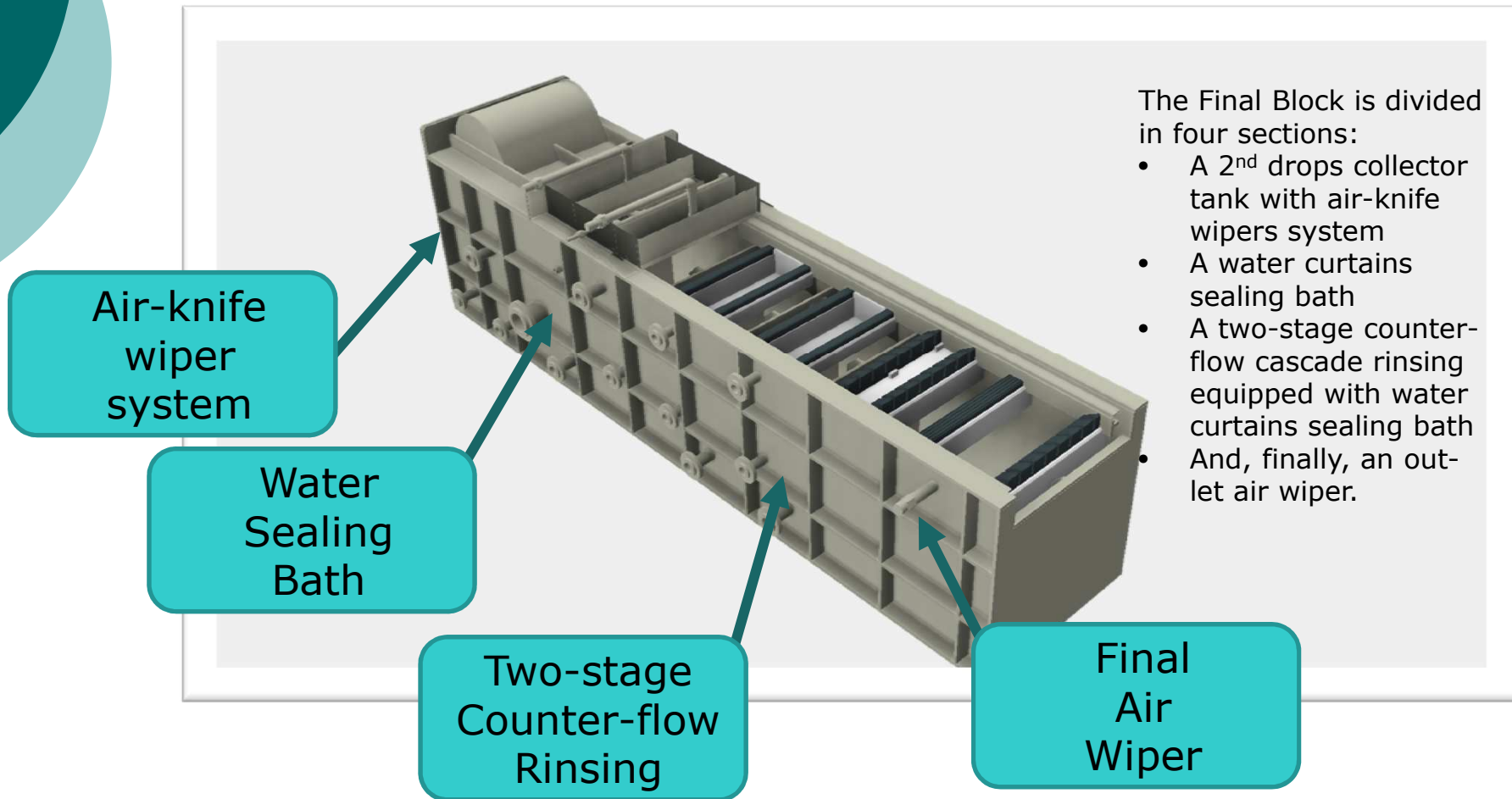
The line is optionally available with a double pump circulation system in case of pump fault.

Each Pickling Bath has its own preparation tank.

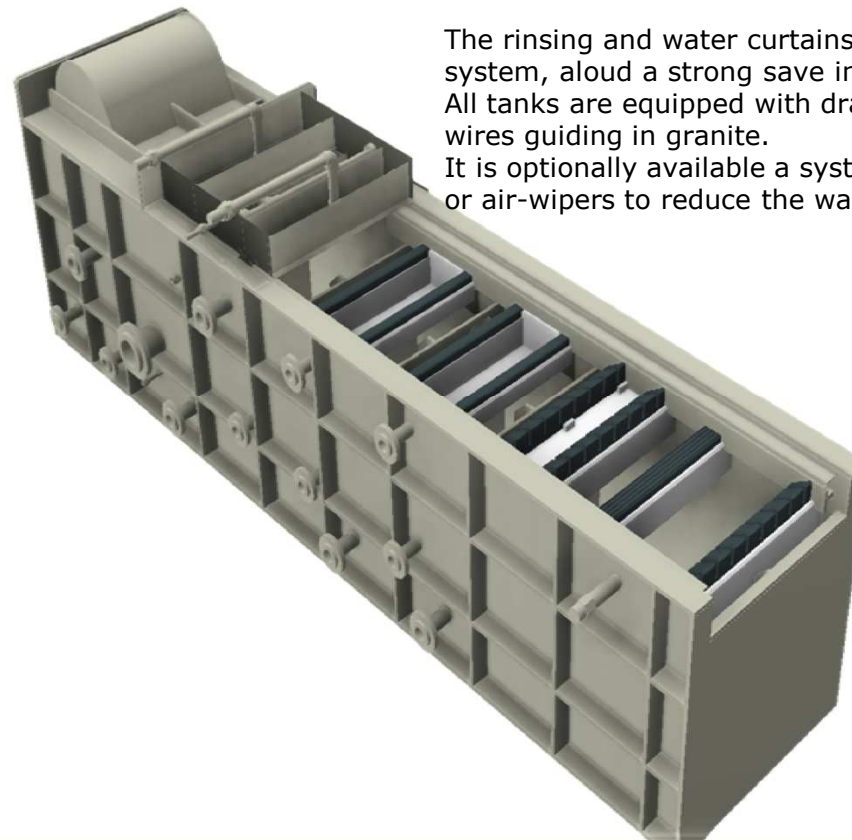
This tank is equipped with temperature probe, 4-stage bath level switch, pickle liquor circulation pump and heating system and automatic water feeding system.

Hydrochloric Pickling Line

LINE OUT-LET



Hydrochloric Pickling Line LINE OUT-LET



The rinsing and water curtains sealing, with their cascade system, allow a strong save in water consumption. All tanks are equipped with draining stones, scrapers and wires guiding in granite. It is optionally available a system of intermediate brushes or air-wipers to reduce the water drag-out.