



Building Relationships in Process Engineering

# CAPITAL EQUIPMENT FOR LIQUID SOLID SEPARATION PROJECTS



## ABOUT US

**Peqon** provides turnkey capital equipment solutions for liquid-solid separation applications across a wide range of mining and mineral process operations.

The **Peqon** team includes experienced design, mechanical and process engineers as well as aftermarket service specialists .

Our solution-based services cover industries such as minerals and mining, pulp and paper, chemicals, water and wastewater.

Our clients include some of the major EPC, EPCM and Mining Houses and we are the exclusive agent in Africa for the Diemme® Filtration Group and Yantai Enrich Equipment Technology Company.

## OUR HISTORY

**Peqon** initially started off with a very narrow focus on the supply of liquid-solid separation equipment but has since successfully expanded its portfolio to include detailed engineering, specialised screening, dry stacking of tailings, pumping systems, materials handling and aftermarket support.

The **Peqon** management team has extensive experience in project execution across multiple continents and challenging locations.

The **Peqon** engineering team is well versed in filtration and thickening technologies and have been involved in the design, engineering and commissioning of some of the largest dewatering installations in the world.

## OUR PRODUCTS

**Peqon** are specialists in the supply of capital equipment for a wide range of liquid-solid separation applications. Our services include detailed engineering, plant layouts and state of the art 3D scanning of brownfield sites. Our target clients are EPCs, EPCMs and Owner - Operators that need expert solutions for their liquid-solid separation challenges.

- **High Rate Thickeners**
- **Vacuum Belt Filters**
- **Filter Presses**
- **Vacuum Disc Filters**
- **Linear Screens**
- **Flocculant Plants**
- **Advanced Pressure Filtration**
- **Tailings Management**

## MATERIALS HANDLING SOLUTIONS

**Peqon** now offers expertise in the design, detail engineering and supply of conveyor systems for process plants and dry stacking of tailings. Using our expert knowledge in dewatering systems, we are more than capable of managing the transition from the dewatering unit to the materials conveying and stacking facilities. Our total installed conveying base now exceeds 280m and is growing.



## UNDERGROUND PRESSURE FILTRATION

We supply plug and play skid mounted mud presses for underground dewatering applications. These units come with a fully integrated pumping station and control panel and are easy to install, operate and maintain.



## VACUUM BELT FILTRATION

Vacuum belt filtration is one of the best known dewatering technologies when it comes to liquid-solid separation applications. We design, supply and install vacuum belt filters and assist clients with process audits and performance optimisation of existing installations.



## GRAVITY THICKENING

Thickening is an integral unit operation in the mineral processing value chain. Our in house expertise in gravity thickening rates amongst the best in the world. We design and supply high rate thickeners for simple and complex applications and where necessary our partnership with Diemme® Filtration provides us with the best engineering know-how when adopting forced or auto dilution systems.



## THE DOMINO FILTER PRESS

The DOMINO GHT5000F is the largest filter in the world. The first demonstration plant has been commissioned at the Toquepala copper mine in Peru. It is equipped with smart technology and intelligent systems that gives operators real time performance data. The Domino will lead the charge in the dry stacking of tailings with significant environmental and safety benefits.





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