

Italian Filtration Technology for Industrial Applications

Ore Concentrate Filtration

Tailings Management

Filter Press for Metal Refinery

Filter Press for Chemical Industry



Facilities

Our products are fully manufactured from fabrication & welding until assembly in our state of the art 20000 m2 production facility in Italy.

The workshop is certified by globally recognised quality standard agencies thanks to our certified welders, technicians & quality personnel in respective departments.

It is conveniently located with an International Airport & Shipping port in close proximity which perfectly complements our global operations



About Us

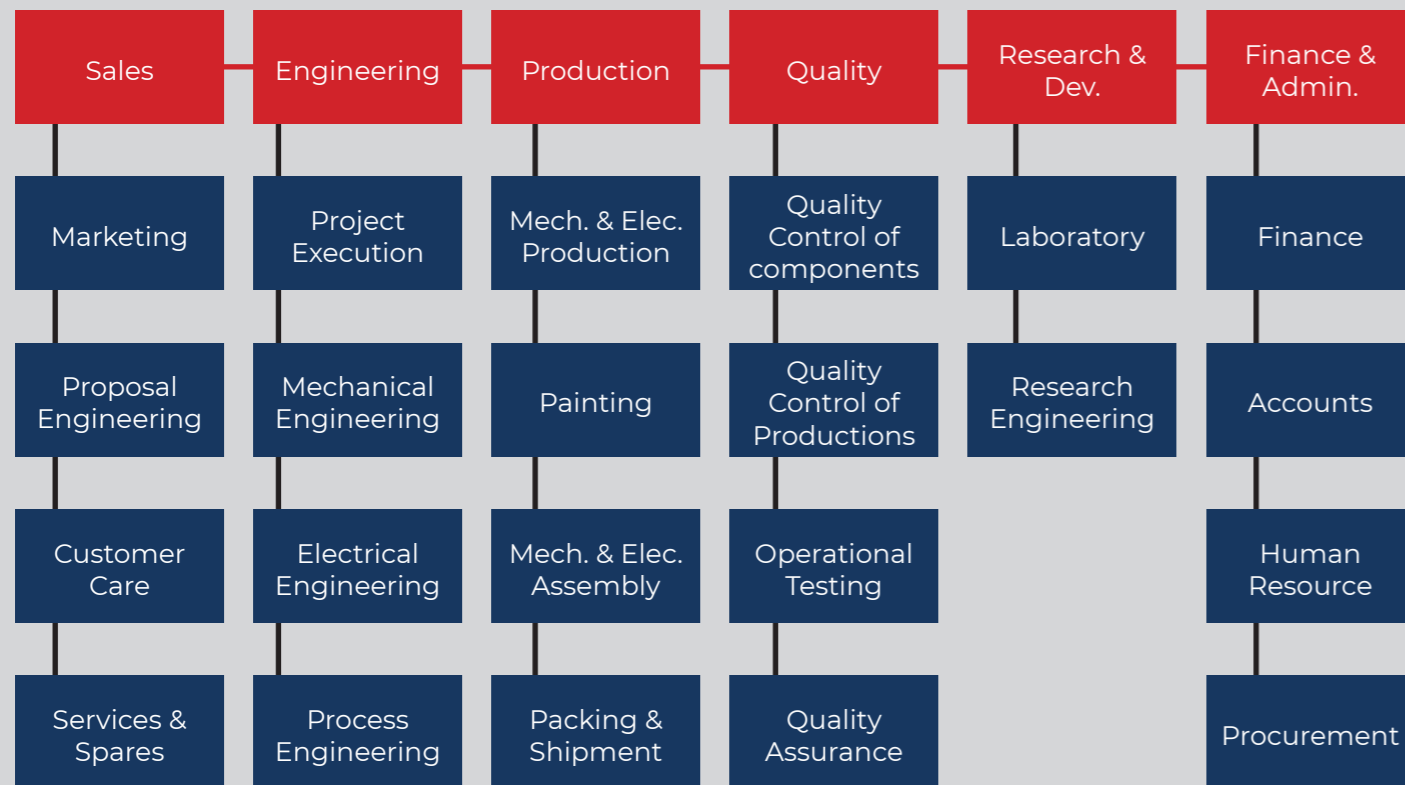
With over 25 years of experience of our engineers in high capacity filtration application, we are fully focussed in supplying reliable filtration solutions for high capacity applications.

Our goal is to provide fastest possible, reliable dewatering performance for high capacity applications in order to achieve highest possible water recovery at the lowest possible operating expenses.

Whether it is a ore concentrate filtration or high capacity tailings filtration & management or residue filtration from metal refineries or high temperature chemical application, we will be happy to serve you with our modern technologies & smart filtration solutions.

Dewater HP 4x4 Filter Press: Modern Engineering that will define the future of Filter Press

Organisation Structure



Applications



MINING

- Filtration of Ore Concentrates (Iron Ore, Copper, Zinc, Lead etc.)
- Tailings Filtration & Management (Iron Ore, Copper, Gold, Zinc, Silver, Diamond etc.)
- Filtration of Fine Coal, Coal Tailings etc
- Filtration for sand & aggregate washing in quarry mining



METALLURGICAL

- Filtration of Red Mud (Residue from Alumina Refinery)
- Nickel Tailings Filtration
- Filtration of residues & fume treatment from smelters & refineries
- Filtration in Zinc Refinery plants
- For application of polishing a solution



Tailings Management of Iron Ore Mine

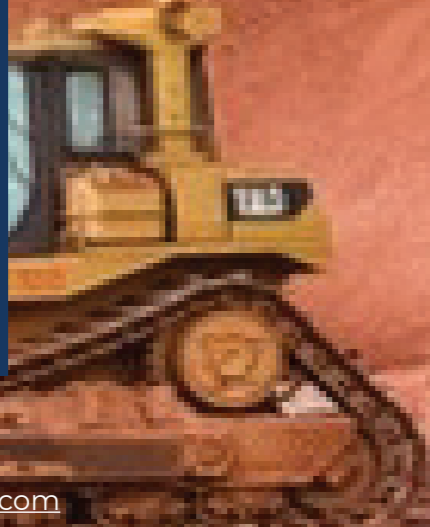


CHEMICAL

- Filtration of Lignin/black liquor in Bio Ethanol Production
- Filtration in Caustic Soda Industry
- Residue filtration in Petrochemical industry

- Filtration of effluents for Industrial Zero Liquid Discharge plants.
- Filtration for large municipal water & sewage treatment plants
- Inlet water filtration in power plants

OTHER INDUSTRY



Filtered Red Mud Stockpile before transfer

Dewater

Filter Presses for every capacity & even the most demanding applications



Dewater HP 4x4 Traction Pull to Close Design

- High Performance FAST Filter Press
- Very High Filtration Capacity at smaller footprint
- Fully Automatic Operation with SMART automation & IIoT capability
- Cheaper Cost & running expenses than the rest of the high quality filter presses available on the market



Dewater SP Push to Close Side Beam Design

- High to medium capacity Filter Press
- Suitably designed for a diverse range of applications
- Fully Automatic to Automatic Operation as per customer request

Dewater

Engineering Design

Our engineering department consists of a highly qualified & experienced team of Mechanical, Electrical, Instrumentation & process engineers. Start from the developing of the process flowsheet, P & ID to detail engineering and customisation of each component of the Filter Press is realised here.

We use modern engineering design softwares like CAD, CFD, Finite Element Analysis for the realisation of the Filter Press frame & its other components. The team of instrumentation & software engineers manages the automation & the machines connection with the PLC.

Research & Development

We are proud of our global filtration research & Filter Press process development laboratory in Italy which is equipped with highly qualified chemists, sophisticated instruments & test equipments. They play multiple roles such as study of the feed material, conducting multiple tests in order to select the optimum filtration process parameters which assist in Filter Press sizing or to develop filtration processes for new application areas.

Additionally our R & D coordinate & participate with local universities in development of advanced technology in the field of Filter Press dewatering.

Customer Care

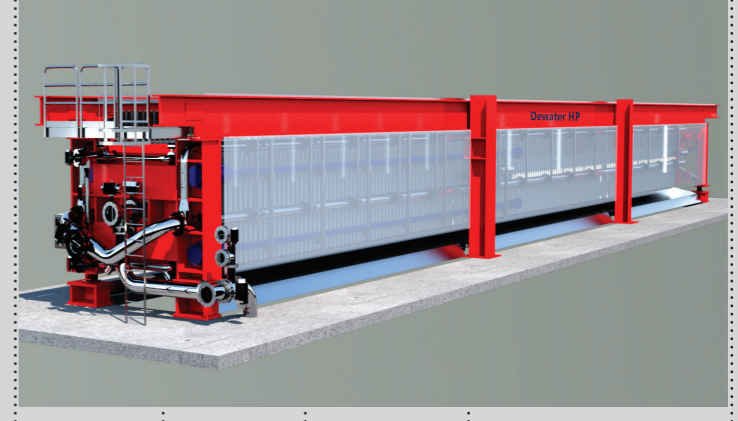
Together with supplying our Filter Press & all Filter Press associated ancillaries, we can support & assist our customers by offering a comprehensive range of support services. This can enable our customer to run their desired filtration plant from planning until commissioning and plant start up.

During & after the installation our service team will assist you to constantly achieve highest plant performance. Whereas our dedicated team of after sales engineers will assist you for any periodic & urgent need of spares from your filtration plant.

Technical Specifications & our range of customised Filter Presses

Next Generation 4x4 Filter Press

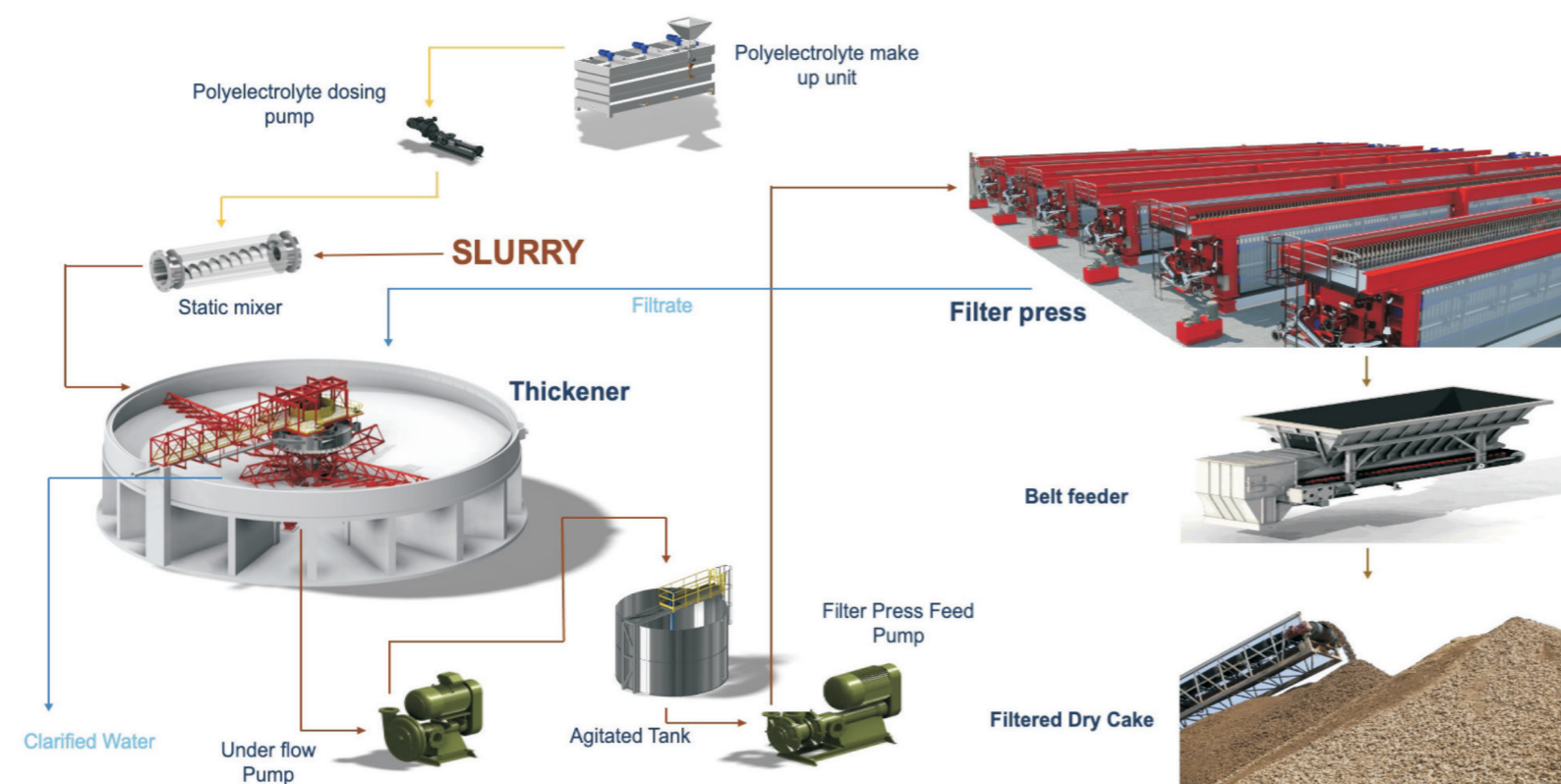
Fully Automatic



High-Very High Capacity

Dewater HP 1000 - 4000

Dewater Filter Press 360° Complete Filtration Solutions



Automatic/Fully Automatic



Medium-High Capacity

Dewater SP 500 - 1500

- 500
- 630
- 800
- 1000
- 1200
- 1500
- 2000
- 4000

Plate Size Expressed in mm

Dewater Filter Press is here to help you with all your filtration needs. Please contact us to know more about how our modern technologies & smart filtration solutions can improve your productivity at a lower investment cost and lower operating expenses.

Dewater Filter Press Srl. Italy

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