

Tailings Management

Complete filtration
solutions for
sustainable mining

**Filtration
at
Lowest
€/Tons**

Designed & Made
in ITALY

Tailings management challenges Mining industry is facing today

Tailings dam failure

Strict safety & environment regulations

Water scarcity in mining areas

More tailings due to falling ore grades

Tailings management with dry stacking - Dewater HP 4x4 make it affordable.

The management of Slurry Tailings is an important challenge the mining sector is facing today. For sustainable mining practices, it is necessary to organise safe & environment friendly storage of the huge volume of tailings produced from the enrichment plants of copper, gold, iron ore, zinc etc. Additionally an efficient tailings management offers the potential to recycle back process water of approx. 85-90% from tailings slurry resulting more water efficient concentrator.

In comparison to other available technologies such as wet or thickened/paste tailings, Dewater Filter Press views that tailings management by Filtration and dry stacking is the safest, long term & the most environment friendly solution. However the main reason mining industry did not able to implement this excellent solution in an aggressive way is purely economical.

Hence with the goal to motivate the mining sector to implement this solution, DFP with modern & smart engineering developed the most affordable complete filtration solutions for tailings management.

With over 25 years of experience of DFP engineers in high capacity filtration applications, DFP is fully focussed in supplying reliable filtration solutions for high capacity applications. DFP's 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.

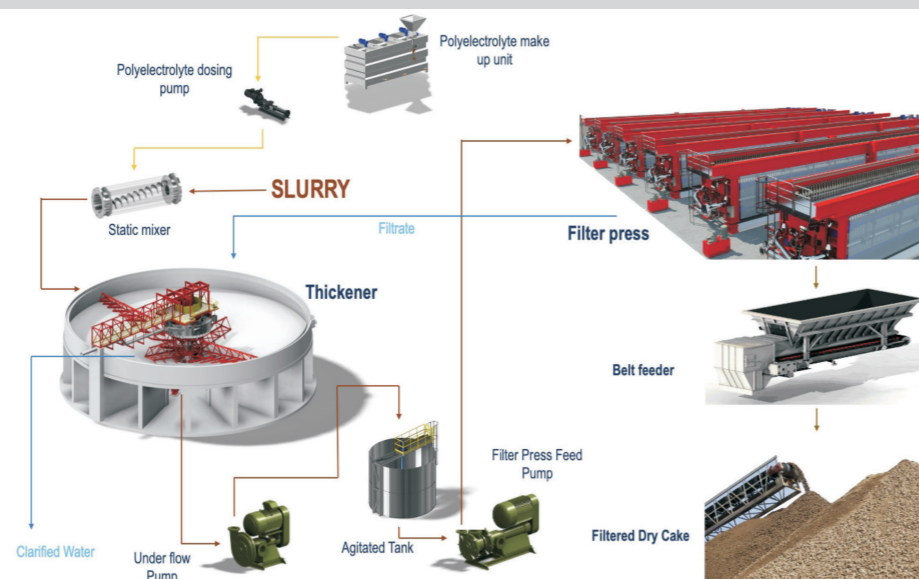


Tailings Filtration & Dry Cake Storage

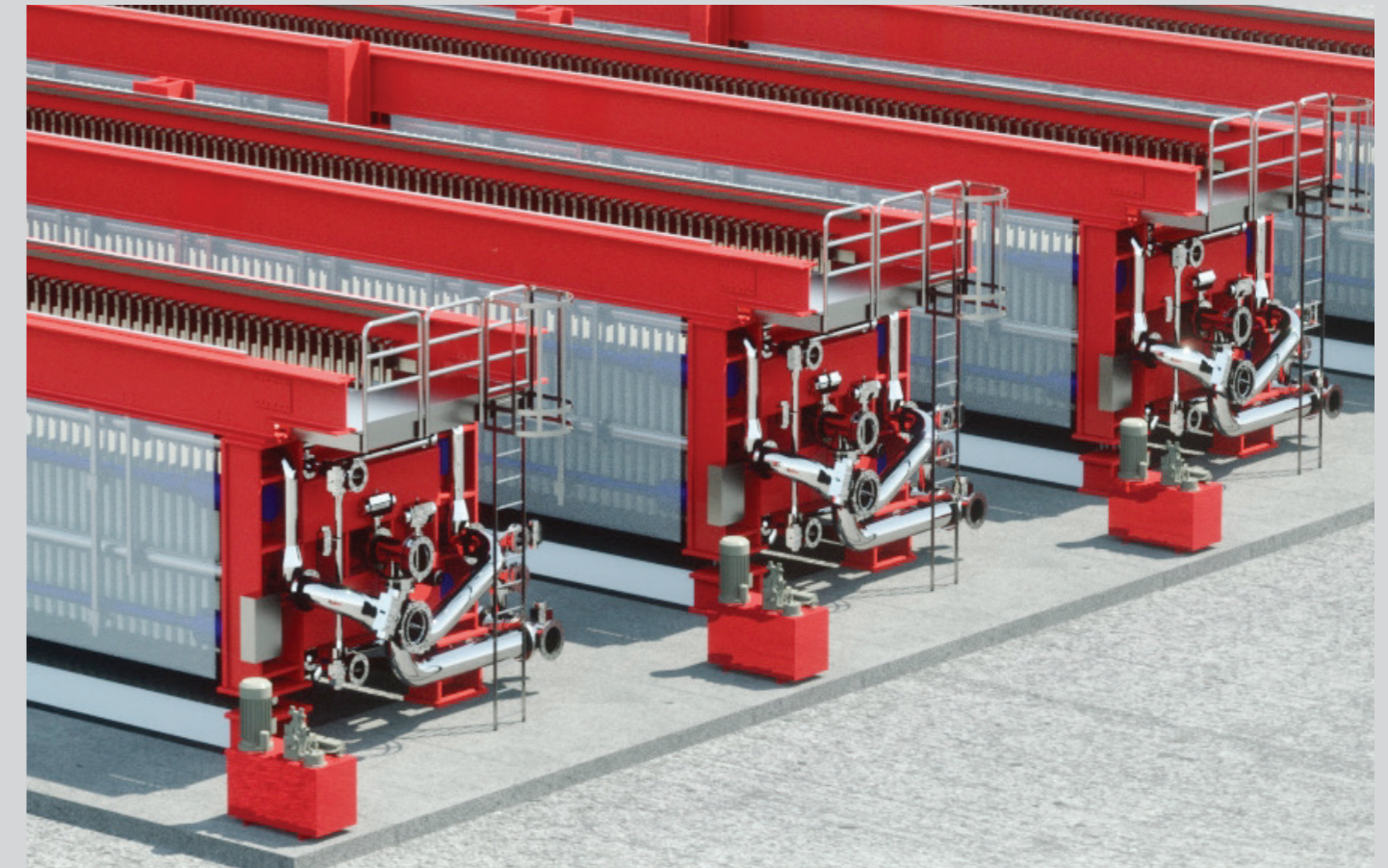
Dewater Filter Press 360° Complete Filtration Solutions

Dewater Complete Solutions Includes

- Polyelectrolyte dosing system & Control
- Thickener
- Thickener underflow pumps
- Agitated Buffer Tank
- Filter Press
- Filter Press Ancillaries
- Filtered Cake transport & disposal



Dewater HP 4x4 Next Generation Filter Press for Tailings Filtration



The heart of Dewater's tailings management solution is its Dewater HP High Performance FAST filter Presses. With its strong modular structure, high capacity Dewater HP Filter press enables you to solve your complex Tailings filtration issues in the safest & most economical way.

For Tailings Filtration, Dewater HP Filter Press offers the specific advantages of

- high water recovery (or low residual cake moisture),
- high to very high capacity with smaller footprint,
- consistently reliable automatic operation
- most importantly all of the above at low investment (CAPEX) & running expenses (OPEX).

Dewater HP filters are fully customisable with Membrane, Chamber or mixed plate packs with filtration pressure up to 25 Bar, which perfectly suits the varying characteristics of Tailings Slurry across the World.

Dewater HP 4x4 Filter Press features

- 4X4 Traction closing mechanism, with 4 Hydraulic Jacks
- Upto 40 m³ of Filtration Volume
- Upto 1650 m² of Filtration area
- FAST Simultaneous Opening & discharge
- Double Washing
- FAST Plate & Cloth replacement
- Fully Automatic Operation
- SMART Automation with IIoT capability
- Low cost & running expenses in comparison to the rest of high quality filter press

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