



FILTER PRESS

designed to de-hydrate sludges
to ease transport,
storage or valorization.

Over 30 years, MS has acquired a significant experience in the design and manufacture of mineral treatment plants using wet processes such as hydraulic separation, cycloning, flocculation, coagulation, sedimentation, pumping...

The MS Filter-presses are the logical continuation of such processes. For each project, in its laboratory, MS studies the sludge filtrability, performs tests on samples, extrapolates the key figures to determine the proper sizing of the filter-press and design its installation within the general process.

FIELDS OF APPLICATIONS

The MS FILTER-PRESSES are mainly used in :

- Mineral industries, for the treatment of clays, kaolin and other minerals,
- Quarries and sand pits, after the flocculation & thickening section,
- Stone cutting industries,
- Underground work, for the treatment of bentonitic sludges,
- Environmental industries, for the final compacting of sludges and wastes (slops, concrete grouts, polluted soils...).

Pneumatic jacks for cake release operation



DESIGN & MANUFACTURE

MS has based its range of filter-presses on the following criteria :

Polyvalence :

- 4 sizes of plates : 630-800-1200-1500 mm.
- 2 operating pressure : 8 to 16 bars.
- 3 set of plates : chambered, membranes or mixtes.

Reliability :

- Compact and hyper-rigid mechanical frame,
- Patented cake release system by independant pneumatic jacks, avoiding any moving mechanical part.

Efficiency :

- High performance due to the reduction of dead time, opening, closing, sludge feed, cake release...
- Full automatization of the cycles.

SAFETY

- Full protection by optical barrier, and metallic covers.

The MS Filter presses comply with CE standards of personnel safety and ergonomics.



INSTALLATION ON SITE

- The installation, the start-up and the follow-up of MS filter-presses is performed by MS personnel, in order to ensure the full satisfaction of our customers.
- The MS Filter-presses can be installed in a separate container, in a specific building, or on concrete walls.

MS also proposes the most suitable sludge pumping section :

- Volumetric or centrifugal pumps,
- Possible addition of filtration booster (polymer, lime...)
- Storage silos, air, sludge & electricity networks.



Weighing sensor



Automatic hatch

QUALITY

- Well-known brand of high quality components : polypropylene plates, polyamid cloths, hydraulic unit, PLC and other regulation accessories,
- High performance hydraulic unit.
- PLC.
- Manufacture and final fitting by MS in its workshop.

MS and its laboratory is at your disposal for an individual study

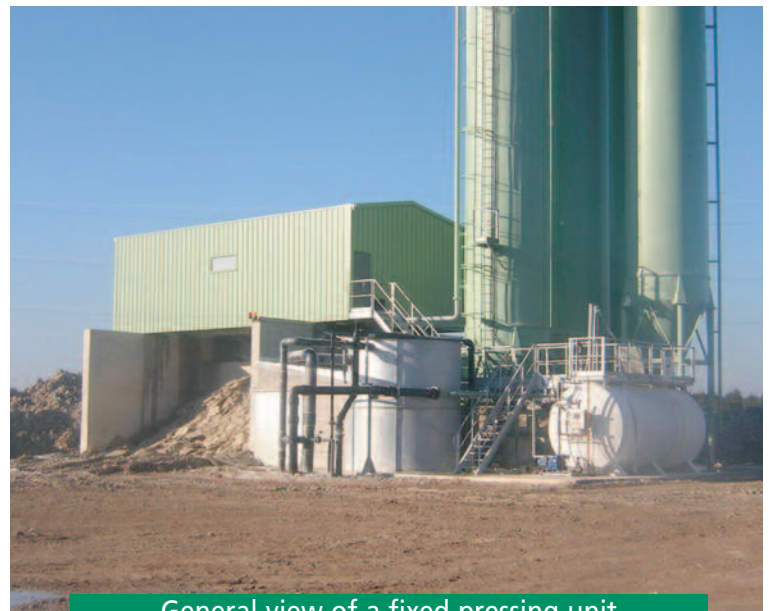
FILTER PRESS



General view of a modular pressing unit

OPTIONS

- Weighing sensors, located underneath the filter press feet, enabling the control of the demoulding cycles and the measurement, in real time, of the cakes dryness.
- Automatic hatch under the filter press (operated by pneumatic cylinders) for thermal insulation of the technical room and collect of the drippings during the washing cycle.
- Automatic washing device for clothes suitable for all the MS range of compact filter presses. Washing cycle totally monitored by PLC.



General view of a fixed pressing unit

2 rue Pierre Gilles de Gennes
PRA DE SERRE
63 960 VEYRE-MONTON

Tél : 33 (0)4 73 28 52 70
Fax : 33 (0) 4 73 28 52 71
E-mail : info@m-s.fr
Site : www.m-s.fr

