

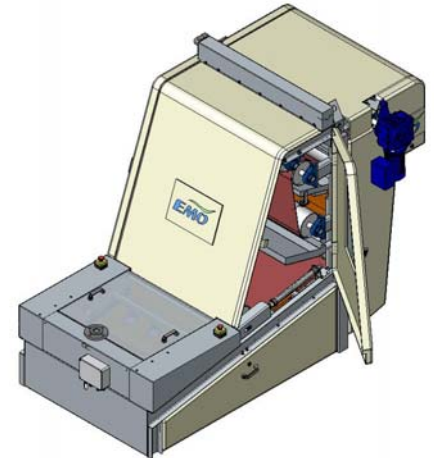
## BELT FILTER PRESS OMEGA SC

With 20 years experience and more than 2500 references installed in 65 countries worldwide, EMO is a leading designer and manufacturer of sludge treatment process equipment for thickening, dewatering and drying.

The OMEGA Belt Filter Press is designed for the continuous mechanical dewatering of municipal and industrial sludge.

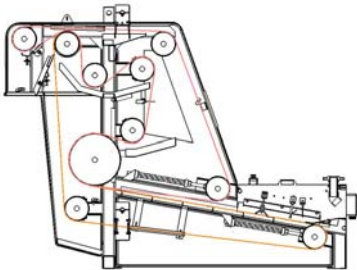
With its in-house, well equipped laboratory, EMO has been able to characterize many kinds of sludges and deliver tailor-made solutions for the benefit of the end-user.

EMO does not only provide electromechanical equipment but engineering and process solution thanks to the expertise of its Chemical & Process Engineers.



### Technical data

EMO offers a wide range of Belt Filter Presses to match any plant size, keeping in mind the following key features :



- ✓ high quality components (only stainless steel construction),
- ✓ low energy consumption and operating cost,
- ✓ clean operation,
- ✓ operators safety devices,
- ✓ easy access for supervision and maintenance,
- ✓ visual control of the sludge during dewatering,
- ✓ easy access to all components.

The most compact belt filter press of EMO range is completely enclosed as a standard.

### Installations



## Operating principle

The OMEGA press consists of a stainless steel frame, a sludge level control, one gravity draining section, one assembly of staggered ploughs to ease draining, filtering belts, compression and alternate shearing sections, a mechanical belt tensioning & tracking system, one belt washing system, one full odor control enclosure, one electrical control panel (optional) and Internal piping & wiring.

Belt drive by frequency converter fixed on the motor

Feed & sludge distribution zone



Inclined gravity zone for the retaining the water at the inlet

One raw of draining ploughs

Sludge cake discharge

Draining roller (diam : 400 mm)

Filtrate collection pans under each pressing rollers

Lower belt washing spraybox

Fully enclosed for odor extraction as a standard



Mechanical belt tensioning by threaded rod with spring



## Selection tables

Note that the belt filter press model is selected according to the DS loading rate per hour and per belt meter width. The rate varies from one type of sludge to the other.

Contact EMO for equipment selection with as much information as possible on the sludge characteristics.

Model	Belt width	Dimensions ( l x w x h )	Sludge flowrate
OMEGA 100060 SC	0,60 m	2,73 x 1,14 x 1,95 m	3 m <sup>3</sup> /h
OMEGA 100100 SC	1,00 m	2.73 x 1,54 x 1,95 m	6 m <sup>3</sup> /h

### E.M.O. s.a.s.

Parc d'Activités de la Richardière – 4 rue Lépine – BP 53209 – 35532 NOYAL SUR VILAINE - FRANCE

Tél : + 33 (0)2 99 86 02 03 - Fax : + 33 (0)2 99 86 02 04

<http://www.emo-france.com> - E-mail : [emo@emo-france.com](mailto:emo@emo-france.com)

S.A.S. au capital de 480 000 Euros - RCS Rennes B391 805 652 - Siret 391 805 652 00032 - APE 2829 B