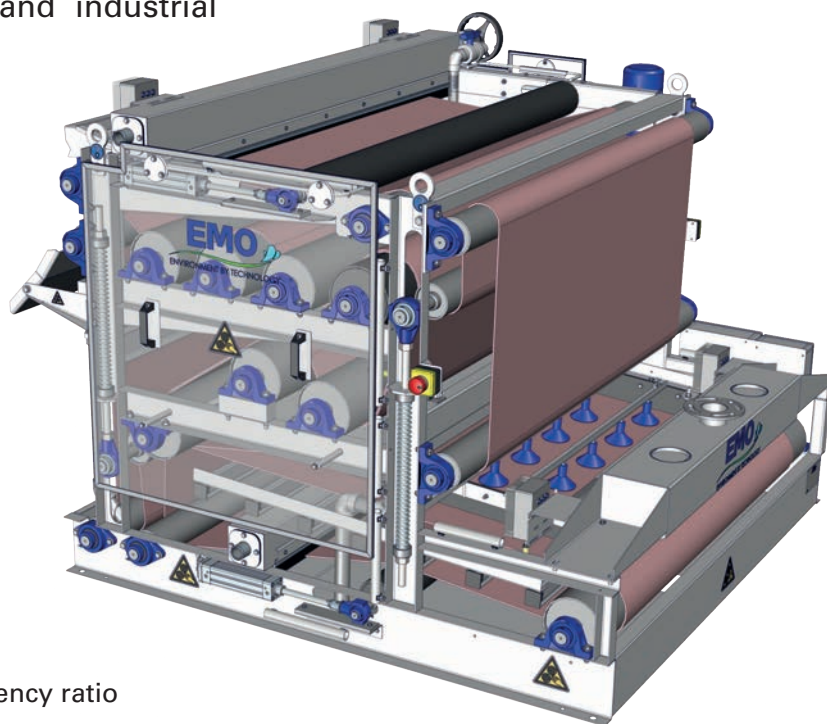




The **Belt Filter Press OMEGA 100000** is designed for the continuous mechanical dewatering of sludge from medium and large municipal and industrial water treatment plants.



ADVANTAGES

- Optimum space requirement/efficiency ratio
- Visual control of the sludge during dewatering.
- Arrangement of rollers adjusted for higher performances
- Length of the belts adapted to obtain a gradual pressing of the sludge and a better dryness
- Easy maintenance and supervision





OPERATING PRINCIPLE

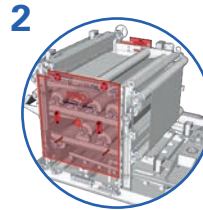
The **flocculated sludge** flows onto the filtering belt and forms grooves at the intersection of the drainage ploughs which increase the efficiency of the **gravity filtration process**.

The water contained in the sludge flows through the mesh of the filtering belt. At the end of the **gravity thickening zone**, a first pressing stage takes place using an adjustable pressing roller. At this stage, the thickening process of the sludge is completed.

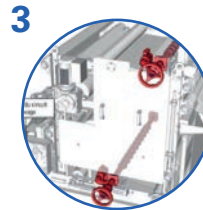
At the convergence of the 2 filtering belts, the **pressing and rolling process** begins using several rollers of different diameters. This allows optimizing dewatering of the sludge while maintaining an **optimal capture rate**. The thickened sludge is scraped off the filtering belt and discharged to a **sludge thickened pump** or a **screw conveyor**.



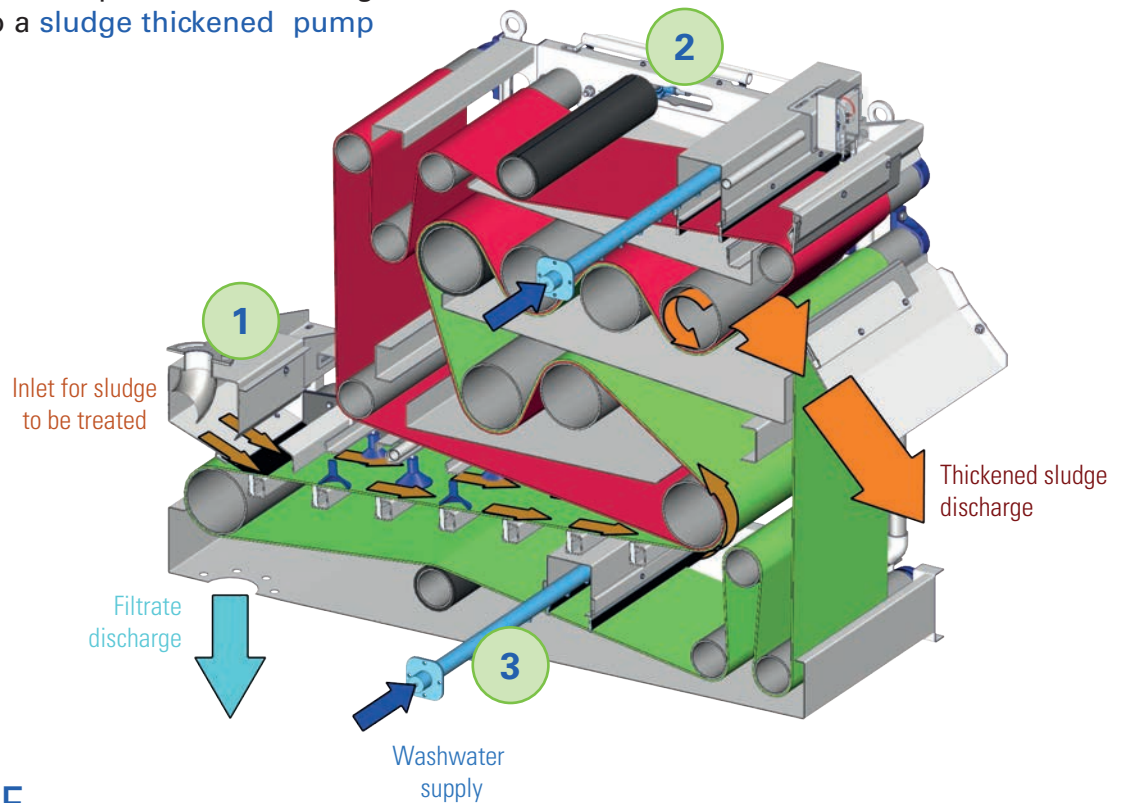
A sludge distribution pan
For a uniform distribution of the flocculated sludge on the filtering belt.



Protection panels
For the operators safety.



Two washing spraybars
For efficient cleaning of the filtering belts and permanent control of water consumption.



RANGE

Model	Maximum flow capacity (m³/h)	Belt width (mm)	Active drainage surface (m²)	Active pressing surface (m²)
OMEGA 100100	6	1000	1,05	3,80
OMEGA 100150	8	1500	1,80	5,70
OMEGA 100200	12	2000	2,50	7,60