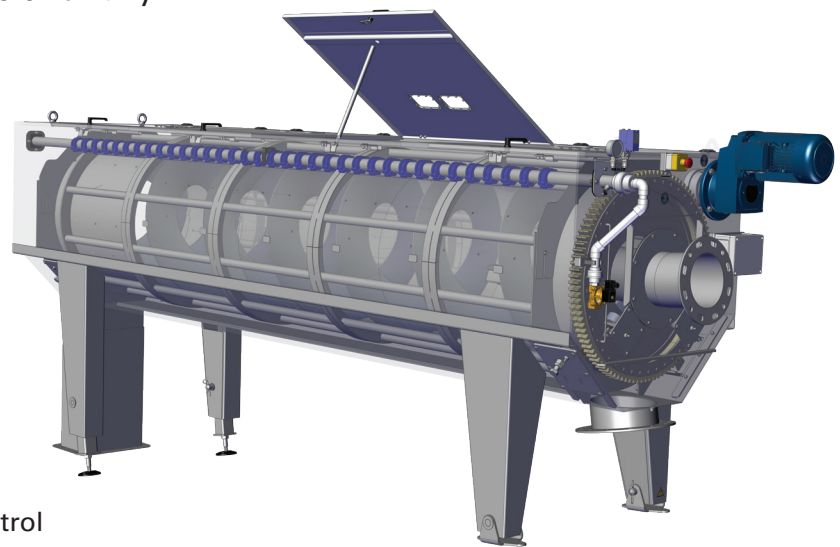


The **rotary drum thickener** is used for the continuous and automatic thickening of municipal or industrial sludge.



Various installations of the RDT, on a sludge silo, on a civil works (inside a building), on a trailer, in front of a belt filter press or on a skid supporting frame.

Like all EMO equipment, the **rotary drum thickener** is manufactured with robust, easy removable and fully interchangeable industrialised parts.



ADVANTAGES

- Small foot print
- Fully enclosure for safety and odor control
- Drum speed control by VFD
- Adjustable drum inclination up to 10° for process settings
- Slow and homogeneous mixing of the sludge for an efficient extraction of the water, heavy sludge load accepted
- Frame and drum body in stainless steel 304L (SS 316 as an option) for less maintenance



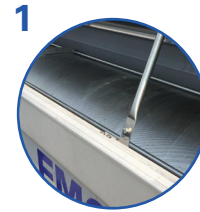


OPERATING PRINCIPLE

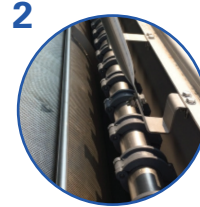
The **rotary drum thickener** consists of the following components: stainless steel structural frame, sludge distribution system, filtering drum, spray bar for washing system, peripheral drum drive system, full set of covers, electric control panel (optional).

Flocculated sludge from flocculation tank is led inside drum thanks to smooth sludge discharge plate. Water flows out through surface of the drum and sludge concentration increased while transported by the spiral screw along and finally out from the end of the drum.

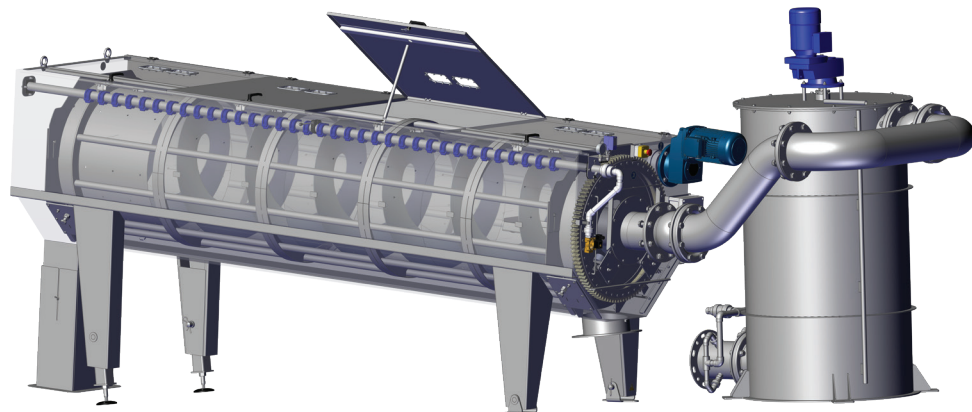
The combination of the peripheral drive, drum roller support, spiral screw and perforated drum prevents the sludge from sliding out of the perforated drum as it passes from one end to the other. The spiral screw mixes the sludge slowly inside the drum to allow efficient extraction of water from the sludge. The drum surface is cleaned by pressure water jets and operates on a timer.



1
Filtering drum
100% stainless steel,
full enclosure.



2
Washing spraybar
cleaning of the drum
surface is carried out by
pressure water jets, can
be on sequence.



RANGE & OPTIONS

RDT drum thickeners are available with **wide capacity ranges from 1 to 100 m³/h**. Drum thickener selection must be confirmed according to sludge characteristics: type of sludge, inlet DS concentration, required outlet concentration, sludge volume, Dry Solids quantity, organic matters content, ...

Description	
Type RDT	from 5-15 to 8-37
Drum diameter	from 500 to 800 mm
Drum length	from 1500 mm to 3700 mm



EMO sas,

4 rue Lépine – PA La Richardière, BP 53209, 35530 Noyal sur Vilaine, France
+ 33 (0)2 99 86 02 03 - emo@emo-france.com

www.emo-france.com

Certification ISO9001 - ISO14001



A company **SEMOSIA**
GROUP