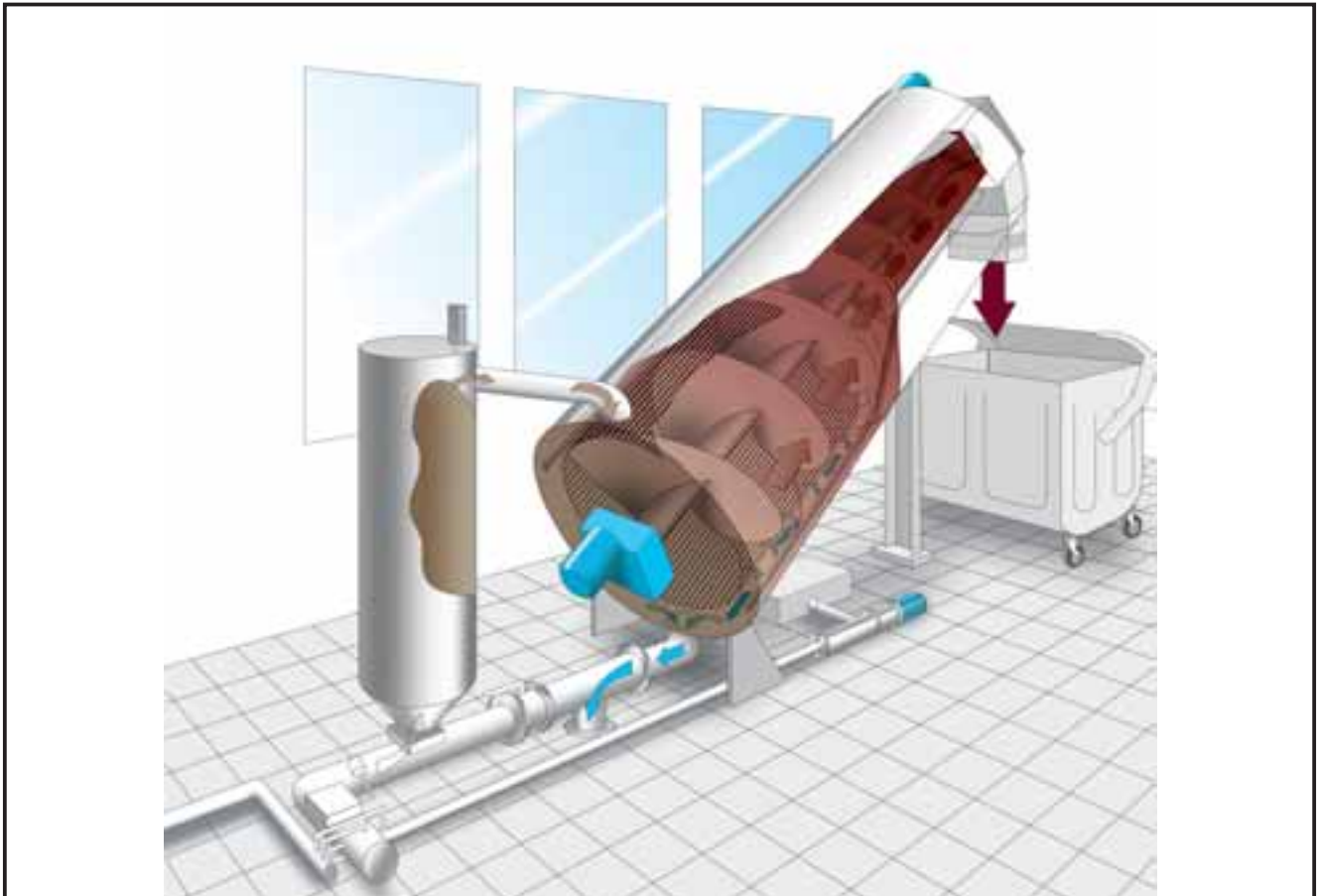


## ROTAMAT® Screw Press RoS 3



- Reduced transport and disposal costs
- High efficiency – high separation capacity, clear filtrate, maximum solids retention
- The closed system eliminates production of aerosol and odor.
- Space-saving compact and closed design
- Long life due to the corrosion and wear resistant stainless steel design
- Fully automatic continuous operation reduces operator attention to a minimum.
- The plant is flexibly applicable, also as a mobile unit.

**HUBER... The Systems Supplier for Sludge Treatment**

## The necessity for continuous sludge dewatering

Sludge produced in municipal and industrial sewage treatment plants requires dewatering prior to further utilization or disposal.

Without pre-treatment, sludge is unsuitable for utilization, especially for incineration, composting and disposal to agricultural land.

Increasing costs for sludge disposal demand dewatering of sludge to a high solids concentration.

## The solution:

### Screw Press for continuous sludge dewatering

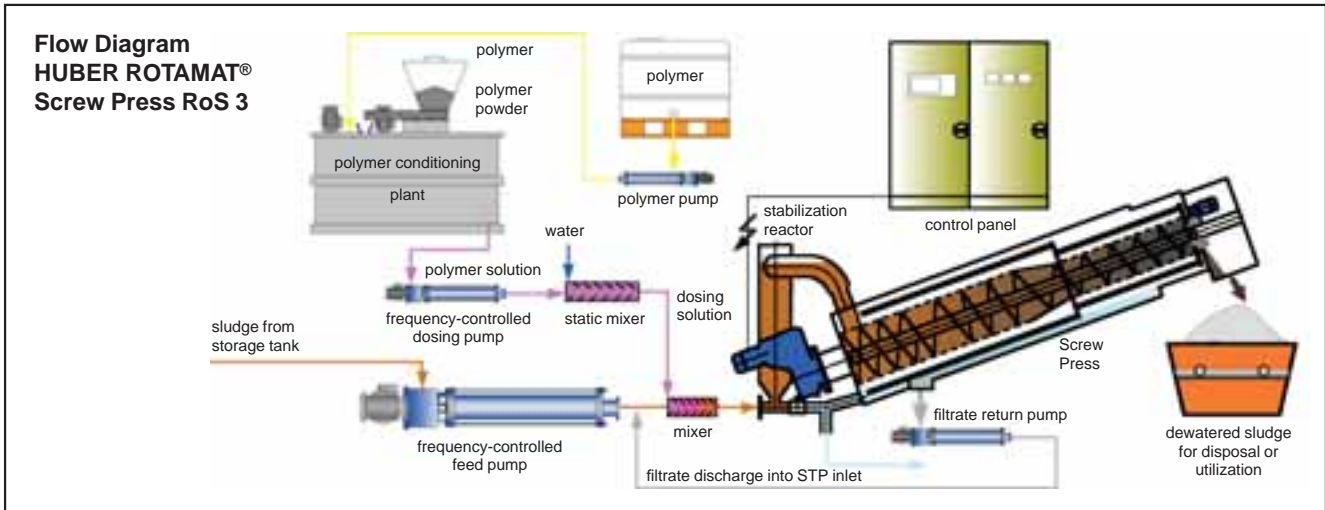
The sludge to be processed is pumped from a storage tank or digester into the Screw Press. The polymer is continuously prepared in a conditioning plant and added to the sludge proportionally to the solids amount. Intensive mixing of polymer and sludge is achieved by the special HUBER injection and mixing system in the sludge line.

The filtration unit of the Screw Press consists in a cylindrical wedge wire. A preceding flocculation reactor ensures a sludge floc quality that allows dewatering of



the sludge flocks and stabilizes the flocculated sludge. Continuous dewatering of the sludge takes place in the Screw Press with an increasing build-up of pressure. The sludge is continuously conveyed in the inclined Screw Press with mounted flights. Permanent movement of the sludge prevents a high filtration resistance and ensures a high dewatering efficiency.

The optimal filtrate quality is achieved by optional return of a partial flow of filtrate.



## We offer for your benefit:

- A press that is virtually insensitive to coarse material due to the wide gap between screw conveyor and wedge wire
- Low wash water demand due to discontinuous wedge wire cleaning
- Pneumatically controlled pressure cone system
- Defined sludge residence time
- No press cake production – Prevents high filter resistance
- Wear is reduced to a minimum and noise eliminated due to the low speed of the compacting screw – No vibration
- Low energy demand

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Subject to technical modification

**ROTAMAT® Screw Press**

**RoS 3**