



# SEPARATOR

A **BAUER Group** company

## Fan Press Screw Separator

The **Press Screw Separator PSS** by FAN, a company of the Bauer Group, covers a broad spectrum of applications, from pulp and paper, biogas and bioethanol plants and food processing to the chemical industry.

The secret of the versatility of the **Press Screw Separator PSS** is that it can adjust to different dry matter contents. Thick liquids (20% dry matter content) as well as thin liquids (below 0,1 % dry matter content) can be treated optimally. The consistence of the gained solid can be varied with the help of a patented output regulator by the amount and position of counter weights. This enables dry matter contents up to 55 percent.

This way, the required consistency of the final product for either further storage, use as fertiliser or the basis for compost can be reached. The liquid phase can easily be drained through a pipe or hose system. Compared to conventional separation systems the PSS is time and cost efficient.



## **BP- BELTEC Press screws**

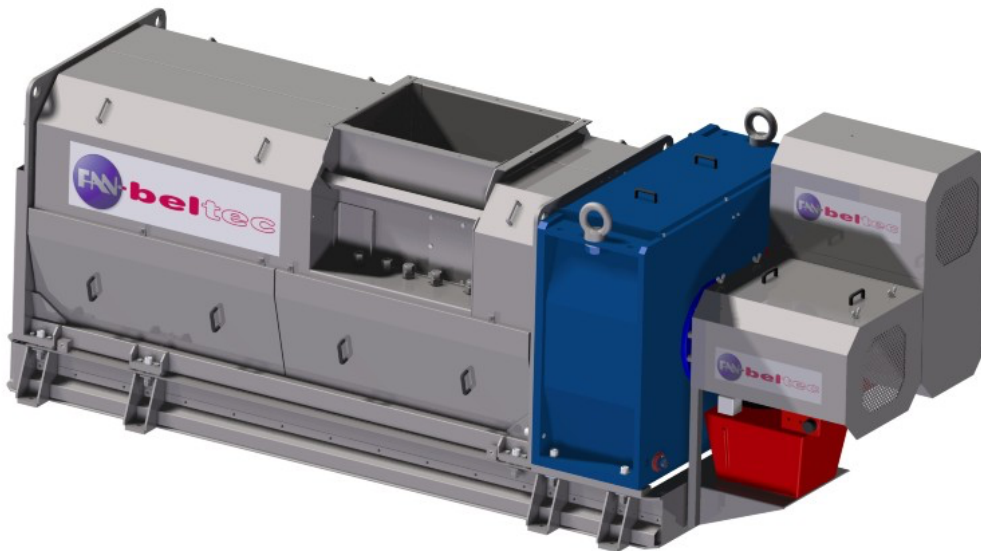
**FAN-BELTEC BP Press Screws Separators** are for dewatering and compacting of abrasive waste and residues, particularly rejects of waste paper in the paper industry.

**FAN-Beltec Presses** have enjoyed a good reputation in the industry for many years and are in use worldwide. The takeover of the Swiss company, BAB-Beltec AG, by the Austrian Bauer Group in 2007, enabled further development and to perfect the product.

Due to the extremely robust and stable design, a special design of the auger and the axial discharge, peak values in the dry matter content as well in volume reduction can be reached.

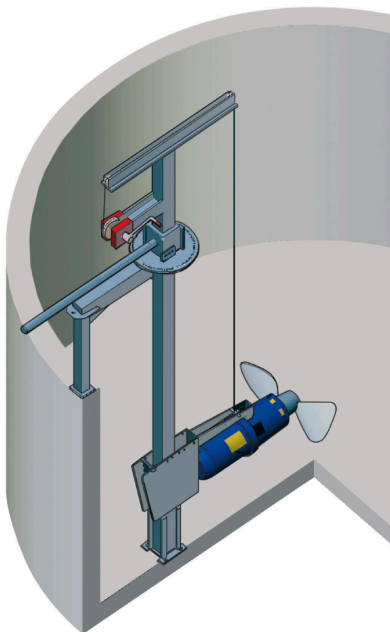
Two electro hydraulically press blades cause a counterpressure which is optimally adjusted to the degree of dryness and in dependence of the power consumption. Everything is operated fully automatically.

Due to the different requirements, the press is available in different sizes.



## **Agitation Technology**

- Powerful – compact - reliable
- Well mixed slurry guarantees constant distribution of nutrients - this means optimal growth and increased yield.
- Optimal homogenization of liquid mediums:
- Optimum structural form - high quality materials
- A special design where motor and propeller shaft lie on the same axis ensures a high degree of efficiency.
- This results in a slim and optimum streamlined shape, which additionally increases the degree of efficiency. The propeller shaft is strongly dimensioned and equipped with axial angular contact roller bearings.
- A sophisticated oil guide system ensures optimal lubrication at any inclination of the submersible motor mixer
- A sealing control is part of the standard extent of supply of the MSXH-model
- Robust planetary reduction gear. Due to the planetary gear the agitators have an elegant and streamlined design.
- The large mixer blades and the special mixer edge ensure a high degree of efficiency.



### ***Key Factors:***

- Enormous stirring power
- High degree of efficiency
- For all pit sizes
- Simple installation

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**Mill Link Services**