

BEXTRUDER BX

Soft Product Densification



Principle of Operation

In the product chamber of the machine two rotors are counter rotating. The upper rotor with inclined positioned baffle plates provides for a good mixture and conveys the material evenly downwards. The lower rotor is designed with bent arms. This rotor densifies the material and conveys it through the cylindrical screen basket.

Machine and Construction

The speeds of the rotors are adjustable, independent from each other. For the optimum process adjustment the lower rotor is equipped with a measurement of torque.

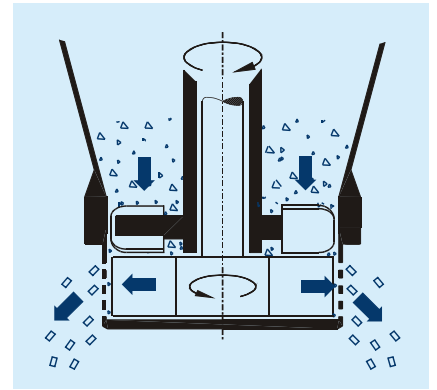
The drive is situated according to the application below or above the product chamber in a closed housing. When the drive is positioned below the extrusion chamber, the product discharge can be effected with a vibrating chute or with a rotating disc. With a drive above the product chamber the product falls freely downwards to the next process step.



Rotor Exchange and Cleaning

The rotors have plug connections to the drive shafts. Rotors and basket screen cylinders are very accessible and can be easily changed. The BEXTRUDER can be cleaned and retrofitted in a very short time.





Accessories

- Different rotors
- Screen baskets with different hole diameters and different wall thicknesses
- Outside rotating cutting knife
- Vibration discharge chute
- Rotation disc for product discharge
- Blow-off ring for product cooling and separation

The Product

Product extruded with the BEXTRUDER has a loose structure with large surface area and good deformation properties. The diameter of the cylindrical pellets can range from 0,3 to 3 mm. The product exhibits good dispersion, compression and dissolution properties.



Technical Data

Model	Drive kW	Throughput
BX 150	3	1 - 300 kg/h
BX 300	8	200 - 800 kg/h
BX 450	11	400 - 1600 kg/h
BX 600	17	800 - 3200 kg/h



BEXTRUDER with free product discharge