# **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.

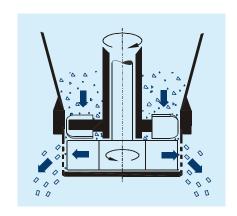
### **Machine and Construction**

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
- $\square$  Rotation disc for product discharge
- ☐ Blow-off ring for product cooling and separation

# The Product

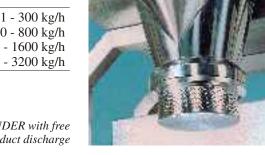
Product extruded with the BEX-TRUDER has a loose structure with large surface area and good deformation properties. The diameter of the cylindrical pellets can range from 0,3 to 3 mm. The product exhibits good dispersion, compression and dissolution properties.







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