



FREDRIVE CRUSHER

PERFORMING, MODULAR, INNOVATIVE

3

6

The FreDrive-Crusher is a machine specially designed for crushing products in the pharmaceutical and food industries

The new concept behind the FreDrive-Crusher allows for the machine to be easily converted from an oscillating mill to a crusher for products with an input size between 3-15 cm, reducing them to pieces of 1-2 cm. An intelligent system integrated in the mill allows the rotor to reverse if the rotor becomes blocked. This function prevents mechanical overload of the system down and ensures a continuous process without the machine shutting tooling. After crushing the product in a First-step, an operator can remove the crusher tool element, replacing it with OscilloWitt tools, hence reducing a product from up to 5 cm to a final size of 250 μm , with a single machine, specially designed to mill, as well as deagglomerate heat-sensitive and difficult-to-process products.

THE ADVANTAGES OF THE FREDRIVE CRUSHER

- Very broad spectrum of applications for any type of dry, moist (not sticky), hard, cryogenized or heat-sensitive powder
- Extreme production flexibility due to a unique modular concept allowing very quick tool interchange
- Clear GMP-capable concept for smooth, reproducible production
- High production safety offering the ATEX certified concept for zones 0/20 up to an EMI of > 1mJ
- Reduced operational costs thanks to the unique oscillating and crushing modular concept
- Simple and fast to clean; Washing-in-Place (WIP) as option
- Reduced energy consumption
- Versatile use made possible by a large selection of tooling elements



PROCESS DATA

Particle Size range		down to 1 cm
Throughput	Crusher 3	up to 650 kg/h*
	Crusher 6	up to 1000 kg/h*
Density		up to 2 kg/dm ³
Temperature range product		from -20 °C to +60 °C

* The flow rate depends on product characteristics and particle size



WORLDWIDE PRESENCE



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