

Deduster KD6010



Features

- Improved **dedusting and deburring capabilities** thanks to optimized combination of vibration, dust agitation, air and vacuum suction
- Featuring an **acceleration sensor** that assures constant vibration, independent of the load / amount of tablets in the deduster
- Very high **conveying capacity**
- Easy **height adjustment**, full 360° **freedom of rotation** at tablet inlet
- **Vibration-free** housing, patented drive unit
- **Compact** design, minimum footprint
- Easy **assembly and disassembly**, no tools are needed
- Easy to **clean**

Deduster model KD6010

- Upward conveying range of 250–500 mm
- Conveying of tablets of 3–25 mm diameter, and capsules

Design

- Constructed according to GMP specifications
- Upward conveying of tablets / capsules generated by continuously adjustable vibration
- The process can be monitored visually at all times through a large window
- Integrated acceleration sensor allows constant flow of tablets under various load conditions
- The outlet can be rotated 360° independent of the inlet. The deduster is easily adjustable to various tablet press discharge configurations.

Deburring and dedusting

- Dust agitation system efficiently removes dust particles from tablets
- Dust agitation system is an optimized combination of blown air and vacuum dust extraction

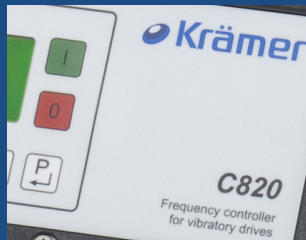
Features

- Patented drive unit utilizing counterweights eliminates vibration of the housing
- Deduster on telescopic column: flexible inlet height
- Low maintenance

Krämer
www.kraemerag.com



Dust agitation system



Controller featuring an acceleration sensor



Option: Various helix surfaces available on request

Deduster Type	KD6010 -	250	500
Dimensions			
Weight	kg	75	86
Outlet height	mm	970 – 1220	1220 – 1470
Inlet height	mm	715 – 965	715 – 965
Conveying height	mm	256	506
Tablet inlet/outlet diameter	mm	60.3 x 2	60.3 x 2

Technical Data

Power supply	100 – 240 V, 50 / 60 Hz
Maximum current	A 1
Compressed air (p = 1.5 – 2 bar)	l/min 50 – 100
Air extraction (pu = 10 – 20 mbar)	m ³ /h 100 – 250
Noise emission at 1 m distance	dB(A) < 70
Protection rating of drive unit	IP50

Conveying Capacity (all conveying ranges)

Round Ø 4.8 x 2.3 mm	tablets / hour	3'500'000
Round Ø 9.1 x 3.2 mm	tablets / hour	1'300'000
Round Ø 12.1 x 3.7 mm	tablets / hour	410'000
Round Ø 16 x 4 mm	tablets / hour	280'000
Round Ø 23.4 x 5.7 mm	tablets / hour	103'000
Round Ø 25 x 7 mm	tablets / hour	68'000
Oblong 16.3 x 7.6 x 5.7 mm	tablets / hour	425'000
Capsules 19.5 x 7 mm, No. 1	capsules / hour	448'000