

Deduster KD6010



Features

- High **conveying capacity**
- 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
- **Optimum viewing** of tablet movement with removable window
- 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 250–750 mm
- Conveying of tablets of 3–25 mm diameter

Design

- Constructed according to GMP specifications
- Upward conveying of tablets 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
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Optimal process monitoring including dust agitation system



Controller with backlit LCD featuring an acceleration sensor



Various helix surfaces available on request as an option

Deduster Type	KD6010 -	250	500	750
Dimensions				
Weight	kg	75	85	95
Outlet height	mm	970 – 1220	1220 – 1470	1450 – 1700
Inlet height	mm	715 – 965	715 – 965	715 – 965
Difference inlet/outlet height	mm	255	505	735
Tablet inlet/outlet diameter	mm	60.3 / 60.3		

Technical Data

Power supply	100 – 240 V, 50 / 60 Hz
Maximum current	A 3
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