

# Deduster KD7010 DT



## Features

- High conveying capacities
- Quiet operation < 68 dB
- Featuring an **acceleration sensor** that assures constant vibration, independent of the load / amount of tablets in the deduster
- **Optimum viewing** of tablet movement with pivoting and fully removable **dust-tight** 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 KD7010

- Upward conveying range of 250–1500 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
- The device outlet can be fitted with peripherals such as metal detectors, diverter switches, slides etc.
- The outlet can be rotated 360° facing the inlet. The deduster is therefore adjustable to the tablet press discharge configuration

### 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

- A patented suspension system based on counterweights eliminates vibration of the housing
- For cleaning the deduster can be disassembled easily and without tools by a single person
- Low maintenance
- Atex Certification II 2D/- Db 140 °C
- Containment OEB4 (1 µg/m³ to < 10 µg/m³), incl. peripherals
- Optionally available with a HEPA filter M-class



Protection



Containment



Optional product Diverter KV2010



Pivoting and fully removable Window



Various helix surfaces available on request as an option

Deduster Type	KD7010 -	250	500	750	1000	1250	1500
<b>Dimensions</b>							
Weight	kg	55	66	75	81	92	98
Outlet height	mm	980 – 1165	1240 – 1425	1465 – 1650	1755 – 1940	2010 – 2195	2305 – 2490
Inlet height	mm	715 – 900					
Difference inlet/outlet height	mm	256	525	750	1040	1295	1590
Tablet inlet/outlet diameter	TC	2.5" / ISO DN 50					

### 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)	m³/h 100 – 250
Noise emission at 1 m distance	dB(A) < 68
Protection rating of drive unit	IP54

### 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