

Deduster KD6015 Combined Unit



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**
- **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 KD6015

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

Features

- Compact combination of deduster and metal detector
- Flexible use (on left or right side of tablet press / capsule filling facility)
- Deduster on telescopic column: flexible inlet height

Metal detector Type: Ceia THS/PH21E

Spherical Sensitivity of aperture 100 x 40 mm:

- Ferrous (Fe): 0.30 mm
- Non-Ferrous (70Cu30Zn): 0.35 mm
- Stainless Steel (AISI316): 0.50 mm

Metal detector Type: Lock Met30+ Version PH386

Spherical Sensitivity of aperture 95 x 38 mm:

- Ferrous (Fe): 0.30 mm
- Non-Ferrous (70Cu30Zn): 0.35 mm
- Stainless Steel (AISI316): 0.50 mm

Metal detector Type: Loma IQ2

Spherical Sensitivity of aperture 100 x 38 mm:

- Ferrous (Fe): 0.50 mm
- Non-Ferrous (70Cu30Zn): 0.50 mm
- Stainless Steel (AISI316): 0.50 mm

Metal detector Type: Safeline Tablex 2L

Spherical Sensitivity of aperture 95 x 38 mm:

- Ferrous (Fe): 0.30 mm
- Non-Ferrous (70Cu30Zn): 0.40 mm
- Stainless Steel (AISI316): 0.50 mm



Dust agitation system



Controller featuring an acceleration sensor



Option: Various helix surfaces available on request

Deduster Type	KD6015 -	250	500
Dimensions			
Weight*	kg	127	138
Outlet height*	mm	670 – 920	939 – 1189
Inlet height	mm	715 – 965	715 – 965
Conveying height *	mm	-44	225
Tablet inlet/outlet diameter*	mm	60.3 / 68	60.3 / 68

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

* depends on brand of metal detector
(values shown for Safeline)

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