

# Deduster KD6015 Combined Unit



## 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
- Easy **height adjustment**, full 360° **freedom of rotation** at tablet inlet
- **Vibration-free** housing, thanks to patented drive unit for trouble-free combination with metal detector
- **Compact** design, minimum footprint
- Easy **assembly and disassembly**, no tools are needed
- Easy to **clean**

### Deduster model KD6015

- Upward conveying range of 250–750 mm
- Conveying of tablets of 3–25 mm diameter

### Features

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

### Metal detector Type: Ceia THS/PH21EE

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 PH IQ4

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: 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

**Krämer**  
www.kraemerag.com



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	KD6015 -	250	500	750
<b>Dimensions</b>				
Weight*	kg	125	135	145
Outlet height*	mm	690 – 940	955 – 1195	1175 – 1425
Inlet height	mm	715 – 965	715 – 965	715 – 965
Difference inlet/outlet height*	mm		-45	210
Tablet inlet/outlet diameter*	mm			440
			60.3 / 60	

### 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 <sup>3</sup> /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 Lock)

### 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