

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 Insight Econo

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



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 |