

Deduster KD7015A DT Combined Unit



Features

- High **conveying capacities**
- Control of deduster, metal detector and diverter with **one 7" touch-screen**
- **Dust-tight** window
- **Quiet** operation < 68 dB
- 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

Deduster model KD7015A

- Upward conveying range of 250–1500 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
- Required floor area: 600 x 700 mm
- Drive unit protection rating: IP54
- **Ex** Atex Certification II 2D/- Db 140 °C
- Certified according to SMEPAC for Containment up to OEB4 (1 µg/m³ to < 10 µg/m³), incl. peripherals with optional HEPA filter M-class

Metal detector Type: Ceia THS/PH21N DT

Spherical Sensitivity of aperture 100 x 40 mm:

- Ferrous (Fe): 0.25 mm
- Non-Ferrous (70Cu30Zn): 0.30 mm
- Stainless Steel (AISI316): 0.40 mm

Metal detector Type: Lock Insight DT

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



Optional product Diverter
V4000/ 5000 DT



Pivoting and removable
Window with optional
HEPA Filter



Dust-tight connection inclu-
ding test tablet insert

Deduster Type	KD7015 -	250	500	750	1000	1250	1500
Dimensions							
Weight*	kg	138	149	158	164	175	184
Outlet height*	mm	640 – 825	905 – 1090	1125 – 1310	1415 – 1600	1670 – 1855	1965 – 2150
Inlet height	mm	710 – 895					
Difference inlet/outlet height*	mm	-70	195	415	705	960	1255
Tablet inlet/outlet diameter*	TC	2.5" / 2.5"					

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

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

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