Deduster model KD7030

- Upward conveying range of 400–1600 mm
- Conveying of tablets of 3–35 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

Highest 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 dusttight 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

<table>
<thead>
<tr>
<th>Deduster type</th>
<th>KD7030 -</th>
<th>400</th>
<th>800</th>
<th>1200</th>
<th>1600</th>
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</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Weight (kg)</td>
<td></td>
<td>67</td>
<td>81</td>
<td>96</td>
<td>110</td>
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<tr>
<td>Outlet height (mm)</td>
<td></td>
<td>1165 – 1350</td>
<td>1565 – 1750</td>
<td>1970 – 2155</td>
<td>2375 – 2560</td>
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<tr>
<td>Inlet height (mm)</td>
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<td>725 – 910</td>
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<tr>
<td>Difference inlet/outlet height (mm)</td>
<td></td>
<td>440</td>
<td>840</td>
<td>1245</td>
<td>1650</td>
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<tr>
<td>Table inlet/outlet diameter (TC)</td>
<td>ISO DN 65 / DIN 65</td>
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</tbody>
</table>

Technical Data

Power supply 100 – 240 V, 50 / 60 Hz

Maximum current (I = 1.5 – 2 bar) A 3

Compressed air (p = 10 – 20 mbar) m³/h 100 – 250

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 | 6'300'000 |
| Round Ø 9.1 x 3.2 mm | tablets / hour | 1'800'000 |
| Round Ø 12.3 x 3.7 mm | tablets / hour | 5'740'000 |
| Round Ø 16 x 4 mm | tablets / hour | 3'780'000 |
| Round Ø 23.4 x 5.7 mm | tablets / hour | 1'400'000 |
| Round Ø 25 x 7.6 mm | tablets / hour | 950'000 |
| Oblong 16.3 x 7.6 x 5.7 mm | tablets / hour | 770'000 |