



- > Thanks to the unique acceleration control, the vibration level is kept constant independent of the quantities of tablets in the system
- > Vibration-free housing due to patented drive
- > Highest conveying performance due to large helix
- > Versions with stainless steel cylinder or acrylic glass cylinder
- > Conveying heights: 400/800/1200/1600mm
- > Modular helix concept for easy dismantling and assembling
- > Controller C820IR integrated in drive unit (external controller C820ER optional)
- > Required floor area: 500 x 500 mm
- > Select helix according your tablets to achieve optimum results. Passivated (standard), electropolished, teflon, or other high-performance coatings

Basic operation of deduster model E4000

- Upward conveying range 400–1600 mm
- Buffering allows continuous operation of tablet press/capsule filling facility
- Conveying of tablets of 3–35 mm diameter, and capsules

Design

- Conveying performance complies with the highest demands
- Modular helix concept for easy dismantling and assembly
- Constructed according to GMP specifications
- Upward conveying of tablets/capsules generated by continuously adjustable vibration
- The process can be monitored visually at all times through a large acrylic window
- Integrated acceleration sensor allows constant flow of tablets under different conditions (e.g. different loads on helix)
- The electronic control is available as built-in (C820IR) or as an external (C820ER) controller
- 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.

Versions

- E4000S: Stainless steel housing with acrylic glass inspection window
- E4000A: Acrylic glass housing (PMMA), modular concept

Deburring and dedusting

- Air flow system efficiently removes dust particles from tablets
- Air flow 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

Deduster Type	E4000 –	400	800	1200	1600
Dimensions					
Weight	kg	74	92	104	118
Tablet Inlet	TC	3"	3"	3"	3"
Overall height (without stand)	mm	1052	1454	1809	2259
Inlet height (without stand)	mm	386	386	386	386
Conveying height	mm	375	777	1180	1583
Maximum tablet diameter	mm	35	35	35	35
Dedusting path	m	6.5	11.0	15.5	20.0

Technical Data

Power supply 100–240 V, 50/60 Hz		x	x	x	x
Maximum current	A	1	1	1	1
Compressed air (pü = 1.5–2 bar)	l/min	100–200	100–200	100–200	100–200
Air extraction (pu = 10–20 mbar)	m3/h	150–350	150–350	150–350	150–350
Noise emission at 1 m distance	dB(A)	< 70	< 70	< 70	< 70
Protection rating of drive unit		IP50	IP50	IP50	IP50

Conveying Capacity

Round Ø 4.8 x 2.3 mm	x 1000 tablets/hour	6300	6300	6300	6300
Round Ø 9.1 x 3.2 mm	x 1000 tablets/hour	1800	1800	1800	1800
Round Ø 12.1 x 3.7 mm	x 1000 tablets/hour	574	574	574	574
Round Ø 16 x 4 mm	x 1000 tablets/hour	378	378	378	378
Round Ø 23.4 x 5.7 mm	x 1000 tablets/hour	140	140	140	140
Round Ø 26.3 x 7 mm	x 1000 tablets/hour	90	90	90	90
Round Ø 33.5 x 6.5 mm	x 1000 tablets/hour	80	80	80	80
Oblong 16.3 x 7.6 x 5.7 mm	x 1000 tablets/hour	770	770	770	770
Capsules 19.5 x 7, No. 1	x 1000 tablets/hour	816	816	816	816



Option: Product Diverter V4000



Option: Product Diverter V2000



Option: Helix according your needs