

# iTec DT

SEGMENTABLE **STAINLESS STEEL** TABLET DEDUSTER  
**DUST-TIGHT**  
METAL DETECTOR

**i T e c**  
ADVANCE BY TECHNOLOGY



PHARMA **TECHNOLOGY** 

Our iTec range is also available in stainless steel. These Pharma Technology (PT) units are based on a segmented 316L stainless steel spiral, with stackable 275 mm modules that can be removed individually for easy dismantling, cleaning, and validation.

This spiral offers a high degree of robustness. The cover is fully transparent, and clear segments in the tower provide a direct view to tablets throughout the process.

Utmost care has been taken to simplify the design in order to reduce the amount of parts to be assembled /disassembled, and to eliminate the need for tooling.

This modular system also allows for adjustable height gain. Additional modules can be added, in increments of five, to increase the machine's height. Five different conveying heights are available, from 500 mm to 1250 mm.

This unit can handle tablets or capsules of any size at a very high speed. The stainless steel spiral is mainly used for effervescent and micro-tablets, as dust extraction perforation holes can be customized per customer request.

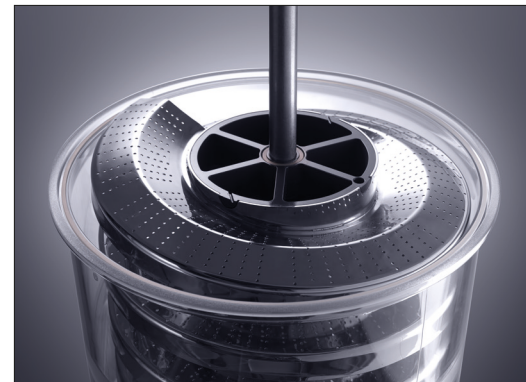
Enlarged circumferential dust extraction channels and central air jets on the tablets improve dedusting efficiency.

A self-regulating vibrating base, with accelerometer, makes it unnecessary to adjust gaps of springs on the unit's base when changing the deduster's tower height, or when transitioning from one product to another.

Several metal detector brands are available, such as LOCK, CEIA.

The iTec generation includes dust-tight cover features to reduce operator exposure to the product and to dust contamination in the production room. Dust-tight systems are modularly upgradable to containment and high-containment washable solutions.

Stainless Steel Modular Spiral



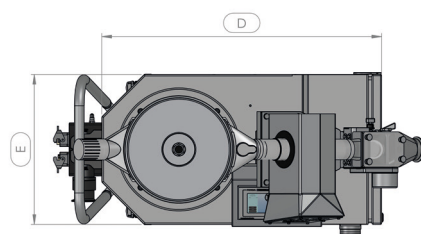
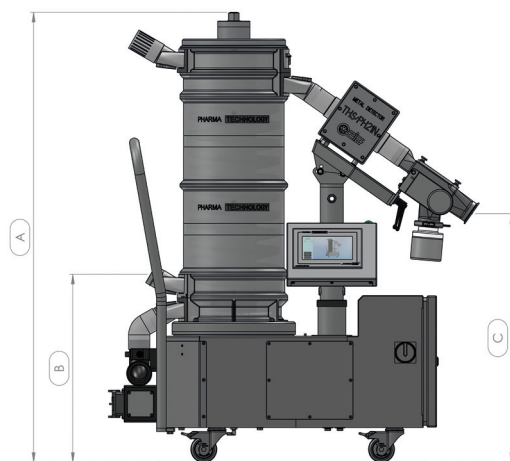
Round metal check dust-tight connectivity



Technical data PTC iSeries :	500	750	1000	1250
Total height (A)	1367 mm	1642 mm	1917 mm	2192 mm
Inlet height (B)	579 mm	579 mm	579 mm	579 mm
Outlet height (C) Ceia	764mm	1039 mm	1314 mm	1589 mm
Outlet height (C) Lock	780 mm	1055 mm	1330 mm	1605 mm
Floor dimensions (DxE)	860 mm x 470 mm	860 mm x 470 mm	860 mm x 470 mm	860 mm x 470 mm
Net weight (+/- 5Kg) Ceia	249 Kg	260 Kg	270 Kg	280 Kg
Gross weight (+/-10Kg) Ceia	289 Kg	299 Kg	310 Kg	320 Kg
Net weight (+/- 5Kg) Lock	245 Kg	255 Kg	266 Kg	276 Kg
Gross weight (+/-10Kg) Lock	285 Kg	295 Kg	306 Kg	316 Kg
Containment level available :	Standard «DT» Dust-Tight, «C» Containment OEB3-4, or «HC» High-Containment OEB5 washable			

Technical data all units :		
Inlet chute	Flex Connect © (Ø56,3 mm)	
Outlet chute	TC ASME BPE 2,5	
Minimum product size	Ø 4 mm / Microtabs: Ø 2 mm	
Maximum product size	Ø 25 mm	
Conveying adjustment	Vibration Intensity	
Self emptying	Yes	
Requested air extraction	Adjustable 150 - 200 m³/h - pressure drop 150 - 1500 Pa	
Dust extraction connection	TC ISO 1127 DN 50	
Requested compressed air	80 - 350 l/min - Min. 4,5 bar *	
Compressed air connection	KS4	
Noise level (without product)	<70 dB (A)	
Power supply	110 V to 230 V ± 10 %	
Frequency	50 Hz / 60 Hz	
Non-Metallic Contact Parts	Tritan MX 711 - POM C - Silicone*	
Contact parts finishing	Ra ≤ 0,8 µm	
Frame parts	Stainless steel 304	
Frame finishing	Mirror polished	
Frame mounted on wheels	Yes	
IQ-OQ protocol	Available	
Material certificates	Available	
Packaging	Wooden Box	
<b>Metal detector :</b>	<b>Ceia THS/PH21 N</b>	<b>Lock Insight</b>
Accuracy stainless steel	0,40 mm	0,50 mm
Accuracy ferro	0,25 mm	0,30 mm
Accuracy non-ferro	0,30 mm	0,35 mm
<b>Capacity / Speed exemples :</b>	<b>tablets / hour</b>	
Round Ø4 x 3,2 mm	21.900.000	
Round Ø 8 x 2,8 mm	3.100.000	
Round Ø 13 x 3,9 mm	600.000	
Round Ø16,2 x 4,2 mm	430.000	
Oblong 16 x 5 x 4,2 mm	1.500.000	
Oblong 21,3 x 10,4 x 7 mm	330.000	

\* Depending on options



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«C» Containment  
OEB3-4



«HC» High-Containment  
OEB5 washable



Optional 4-P IPC Tester

