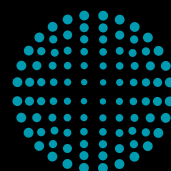




Next Generation Tableting Technology

FE35

www.fette-compacting.com



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COMPACTING**
be efficient



How quickly can you change ...

... when you have to convert your tablet production to a different product at short notice? Putting it another way: How much do you know now about the varied demands that will be made of your production facility over the next few years?

Rapid growth in the new markets, shorter product lifetimes and rising cost-pressure – the pharmaceutical industry is undergoing a fundamental process of change. As a result, flexibility and high equipment availability figures are becoming crucial factors for successful, efficient pharmaceutical production.

The FE35 is perfectly tailored to meet these challenges. It offers you the shortest product changeover times in its class, along with the uniquely simple operation provided by the Fette Compacting TRI.EASY design. See the advantages of the next generation of tableting technology for yourself.

Fette Compacting FE35 – for the fastest product changeover

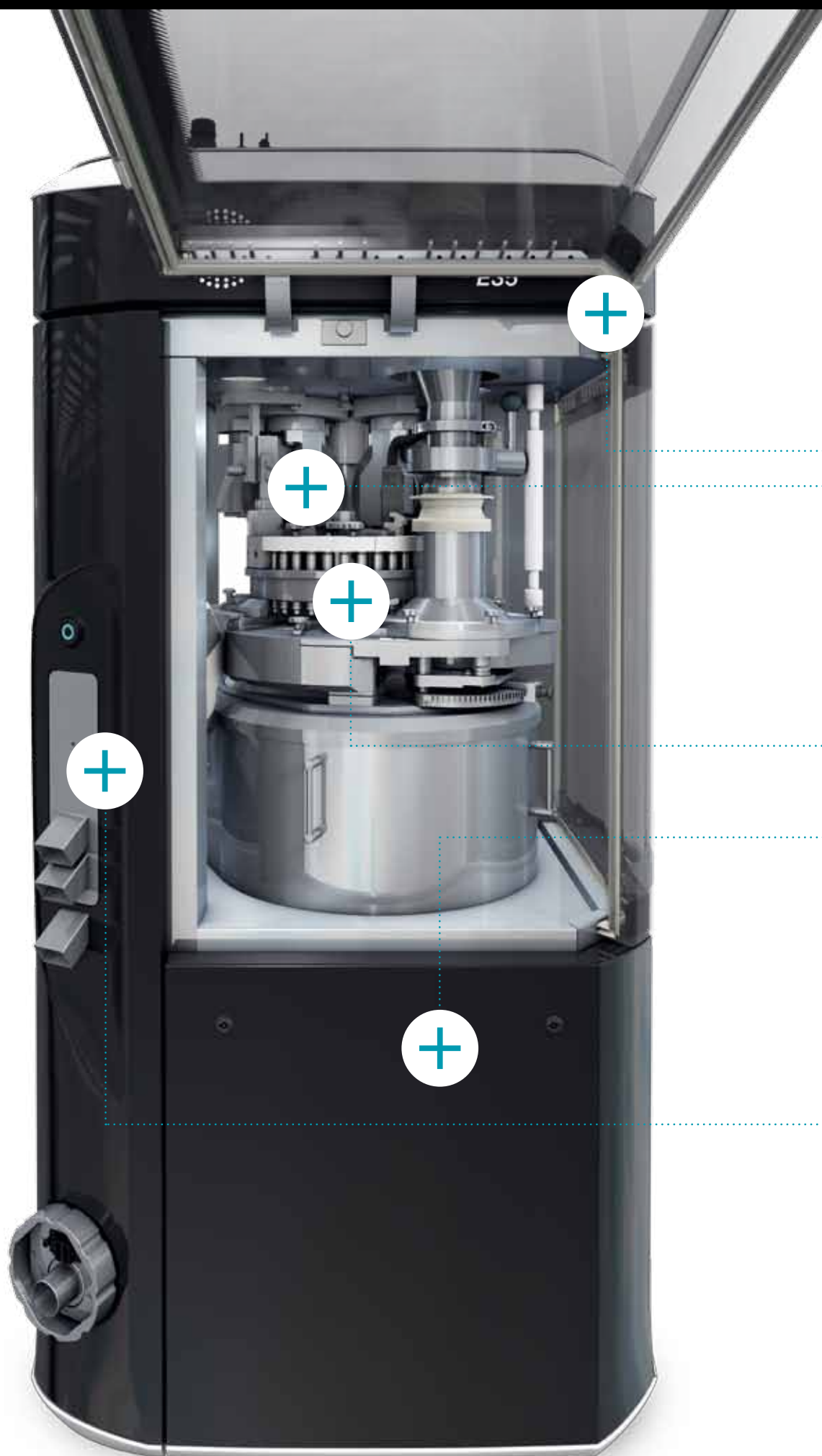
As a result, flexibility and high equipment availability are becoming crucial factors for successful, efficient pharmaceutical production. The FE35 combines all the advantages of the new FE range of models from Fette Compacting with the shortest product changeover times of its class. Users benefit from maximum equipment availability and from maximum investment security:

- innovative filling system for easy, reliable feeding, even of demanding product mixtures
- new rotor design for maximum yields, minimum product lost and easy changeover
- new compression stations for fast format and product changeover
- novel internal tablet discharge for guaranteed uninterrupted production
- new, flexible vacuum cleaning system for short cleaning cycles
- Plug-and-play connection for peripheral equipment
- only 10 components have to be dismantled to replace the turret – and no tools are needed





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FE35 – Innovations for your productivity

New compression stations

- + New easy-running compression rollers for ultra-simple handling
- + Compression rollers can be moved quickly to a parking position for easy turret exchange
- + Extremely easy load cell exchange at product changeovers

Machine design

- + Housing of FDA-certified, high-performance plastic
- + Geometrically optimized surfaces for the easiest possible handling and fast cleaning
- + All parts that come into contact with the product are stainless steel
- + 360 degree accessibility
- + Window flaps can still be opened when peripheral devices are connected

New turrets

- + Faster, easier turret changeover including cams and punches
- + Segments permit fast refitting
- + Coded tablet scraper
- + Coded filling cam detection
- + One, central multi-function connector for oil air and electricity

New drive

- + Powerful modern direct torque drive for zero-maintenance operation
- + Zero-maintenance and energy-efficient
- + Switch cabinet optionally external or internal for maximum flexibility
- + Power and control sections are separated
- + Power cabinet with innovative cooling design
- + All connections to peripheral devices and the machine at a single panel

New tablet discharge

- + Novel, totally reliable tablet sorting
- + Minimum space requirement thanks to tablet discharge through the column
- + 360 degree accessibility
- + Compact unit with no cable or hoses
- + Dust-proof design
- + Since all parts that come into contact with the product are stainless steel, cleaning is fast and efficient
- + Switch cabinet fully isolated from the production zone – therefore no contact with ambient air



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TRI.EASY Design – Simplicity as a key to efficiency

The FE35 is the first machine of its class to have been so thoroughly designed for the simplest possible operation. For this purpose, Fette Compacting has converted the award-winning TRI.EASY design, which was first launched in the FE55, to the new machine. The idea behind TRI.EASY: Technology can only be efficient if three things – operation, changeover and maintenance – are all equally simple. The TRI.EASY design therefore puts its central emphasis on the user. That is how it provides easy, reliable operation anywhere in the world, regardless of the operator's qualification level.





Easy maintenance

- + Identical compression rollers for all stations
- + Pressure load cell can be exchanged without removing the gear box
- + High-resolution pressure load cells can be used for special applications
- + Only 10 components have to be dismantled to replace the turret

Product flow

- + New filling devices for maximum productivity
- + Low component count optimizes cleaning
- + Assembly and dismantling without tools
- + Three-chamber FOM is backwards-compatible
- + Height adjustment using a central slide, so repeatability is totally guaranteed
- + Height can be adjusted in 25 µm steps



INNOVATIONS

- + 360° access
- + Extremely easy adjustment of the FOM table in 25 µm steps
- + Smooth-running compression rollers, also ideal for small compression forces
- + Maximum accessibility through innovative housing design
- + Shrouding parts are no longer necessary
- + 250 mm diameter pressure rollers for maximum compression dwell time
- + Control components are separate from power components
- + Fewer plug-in connections mean easier assembly
- + Dust-proof and hermetically sealed switch cabinet
- + Turret with coding, controller detects the configuration



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Fette Compacting HMI – easy, reliable operation guaranteed

The totally redeveloped HMI (Human Machine Interface) of the FE series lets you keep an eye on all the parameters of the press. The easy, intuitive operation guarantees you maximum efficiency and reliability.

- + 19" touch-screen for the best possible overview
- + Easy operation through full keyboard
- + Dust-protected USB connection
- + No mechanical disc drives
- + Win7® embedded operating system
- + Visual operating software from Fette Compacting
- + SQL Server database
- + Fast access to the most important functions through 12 pictogram buttons
- + All surfaces can be cleaned easily
- + No ventilation slots or openings
- + Ergonomic operator height



FEATURES

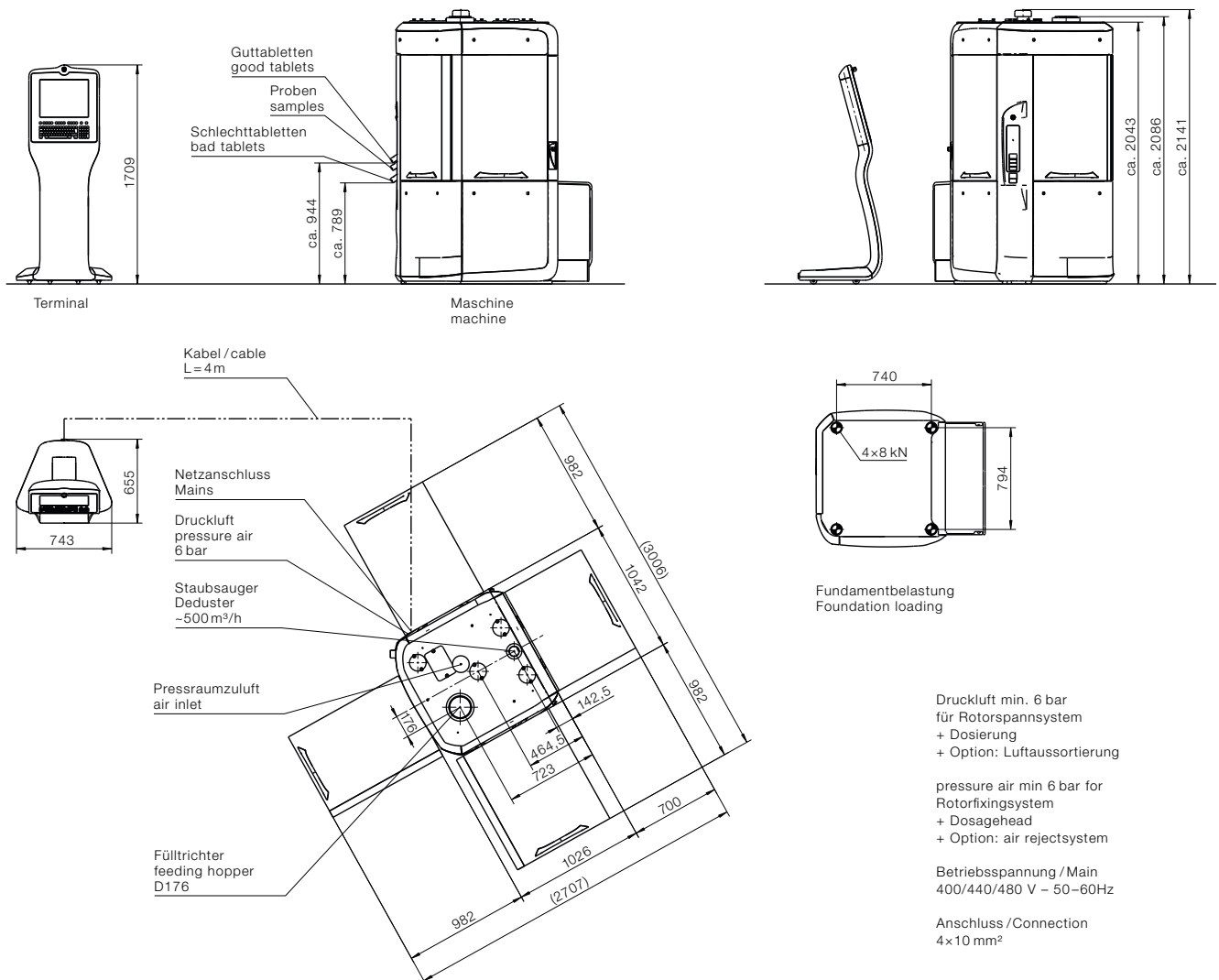
- + Clear process graphics showing all necessary parameters
- + Backwards compatible hot-keys for machine operation
- + Individually configurable parameter lists
- + 12 fast-access pictogram buttons
- + Terminal made of FDA-certified high performance polymere
- + HMI and software identical to the FE series

BENEFITS

- + Easy, intuitive operation through self-explanatory pictograms
- + Direct access to Fette Compacting presses
- + Fast, easy machine operation
- + Direct access to the main functions
- + Smooth, easily cleaned surfaces
- + Operator can operate the machines in the FE series intuitively



Dimensions



Technical Data

		51	33	27	24
Number of punch stations		51	33	27	24
Punch type		FS12	EU19 IPT19	EU 1" IPT 1"	EU 1" -441
Tablet output units/h	min.	45,900	29,700	24,300	21,600
	max.	367,200	237,600	145,800	129,600
Max. pre-compression force	kN	80*	80	80	80
Max. main-compression force	kN	80*	80	80	80
Max. tablet diameter	mm	11	18	25	25
Max. filling depth	mm	22	22	22	22
Max. tablet thickness	mm	10	10	10	10
Pitch cylinder diameter	mm	325	325	325	325
Die table rotation speed	mm ⁻¹	15–120	15–120	15–90	15–90
Punch shaft diameter	mm	12	19	25.35	25.35
Punch length	mm	133.6	133.6 (133.35)	133.6 (133.35)	133.6
Upper punch insertion depth	mm	1–4	1–4	1–4	1–4
Dimensions	mm	1000 x 1000 x 2040 without integrated switch cabinet 1000 x 1315 x 2040 with integrated switch cabinet			
Weights	kg	Tablet press 2800–3000 kg, Operating terminal 100 kg, Electrical cabinet 250 kg			
Electrical supply parameters	kW	Operating voltage 360–528 V, 50/60Hz, Total fusing 50 A, Power consumption 13 kW			

* FS12 tools only permit
a maximum compression
force of 25 kN

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