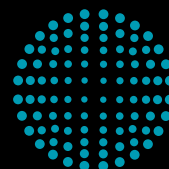




Tableting Tools

Always in Top Form



FETTE
COMPACTING

together

from lab to production

Better together – from lab to production

For more than 75 years, Fette Compacting has been redefining precision in industrial tablet production. As the world market leader in integrated solutions for OSD (Oral Solid Dosage) manufacturing, we deliver decisive competitive advantages. Our portfolio ranges from high-performance tablet presses to specialized Containment solutions and process equipment.

But technology is only one part of our DNA. Guided by our principle “Together – from lab to production”, we support you throughout the entire life cycle of your products: from initial formulation in the lab through technology transfer to commercial production.

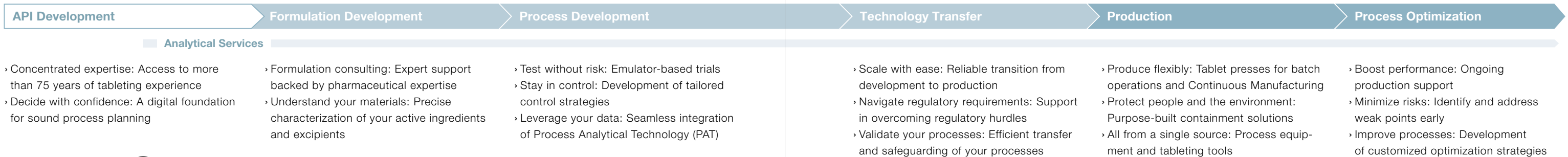
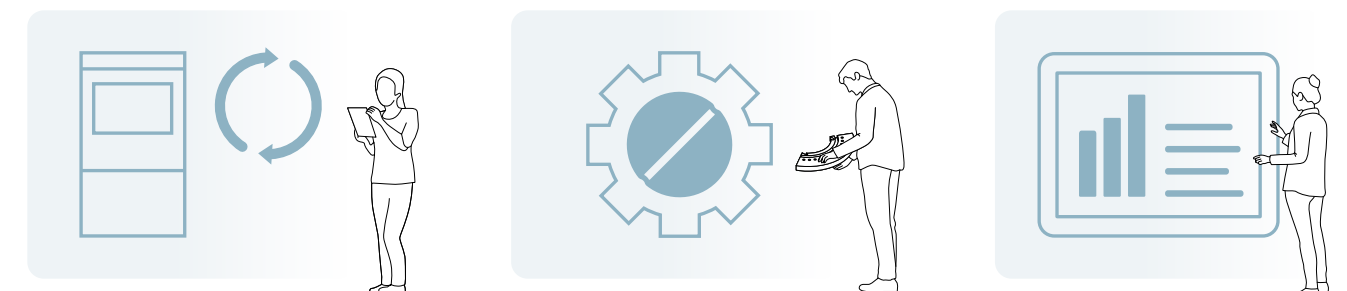
That way, you find the right solution for every product and get it to market faster. With our global network of five Competence Centers in Germany, China, the USA, India, and Brazil, along with 13 subsidiaries and representatives in 50 countries, we are always right where you need us.

As your holistic process partner, we provide complete solutions. Whether pharma, nutrition, or chemical: We combine tailored consulting with deep technological know-how. The result: customized, efficient solutions for every phase of your product life cycle – and a partnership that delivers real value.

Research & Development



Production

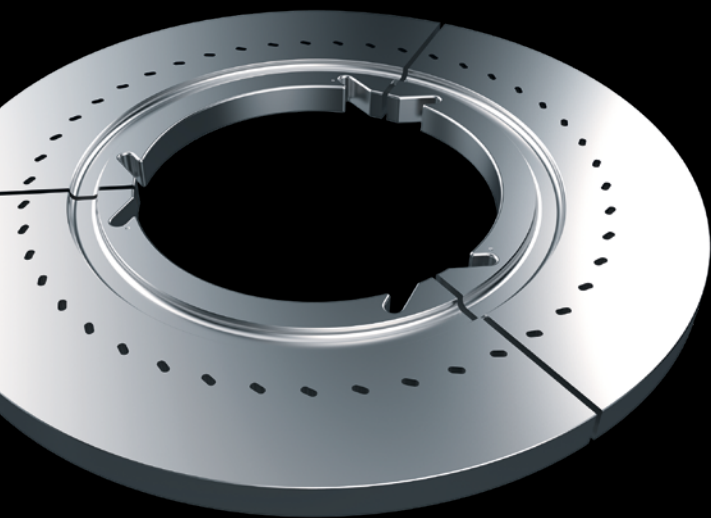


Extended range of services along the process chain:



Complete Solutions from a Single Source

One system. Many benefits.



Segments

In addition to conventional segments with dies in proven quality, Fette Compacting also offers segments without dies. This solution provides several advantages.

- + Up to 40 percent higher output
- + Up to 50 percent less product loss
- + Up to 70 percent shorter changeover times

From page 6

Punches

Punches in original manufacturer quality guarantee you perfect performance and the highest quality in tablet production.

- + Optimal dwell times
- + Minimal wear
- + Highest tablet quality

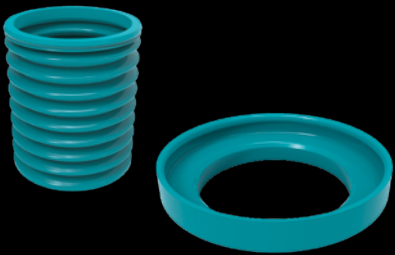
From page 8



Bellows and Dust Caps

The addition of iron to the silicone enables reliable detection of material fragments in the event of damage. This protects your products and simplifies safe handling.

- + Automated detection in the event of damage
- + Faster assembly
- + Suitable for all turrets



From page 10



EasyCare

Perfectly matched solutions for safe and efficient handling of tableting tools.

- + TRI.EASY Tool Box System for optimal storage and safe transport
- + GMP-compliant cleaning systems
- + Tool management system

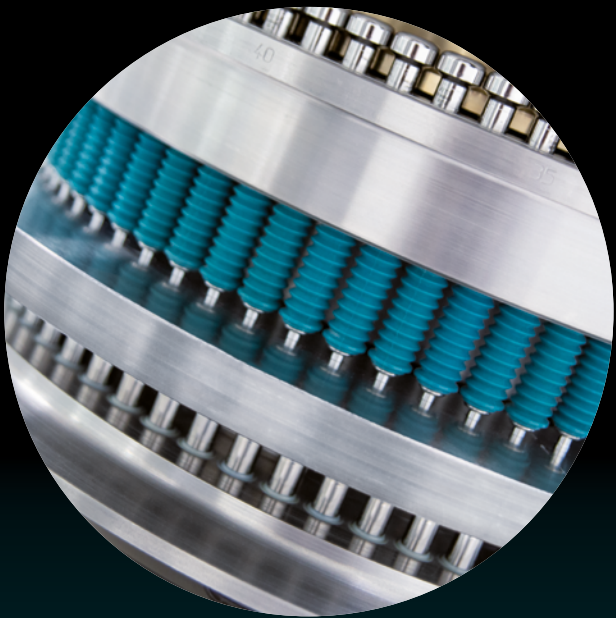
From page 22

Turrets

Turrets are a key factor in the performance of your tablet presses. By upgrading to our Pmax® turrets, you can significantly boost the performance of existing machines.

- + Up to 40 percent higher output
- + No revalidation required
- + Lower energy consumption

From page 14



Tableting Tools of the Highest Quality

A perfectly matched
complete system



Tableting tools are the core of the tableting process. Between the upper and lower punch, tablets take on their final shape. Whether round tablets, oblong shapes, complex geometries, engravings, curvatures, or score lines – with Fette Compacting's solutions, your ideas become exactly the products that drive your success.

Our tableting tools are perfectly matched to the tablet press, turret, and the materials used. This delivers longer service life, reduced maintenance requirements, and lower spare parts costs – resulting in significant efficiency gains across your

production. Our product portfolio covers the full spectrum of internationally standardized punch designs. Beyond that, our company-specific standards (FS Technology®) provide proven solutions for maximum efficiency, even with special requirements.

We manufacture our tools to the highest quality standards. State-of-the-art 3D measurement technology guarantees dimensional accuracy even at the tightest tolerances. High-performance punch materials, superior surfaces, and tailor-made coatings reduce wear and guarantee a long tool service life.

All from a single source

As a complete provider of machines, tools, process equipment, and supplies, we combine technical knowledge with hands-on experience from thousands of projects. Our services also include application consulting and in-depth product training. This allows us to tailor our solutions precisely to your specific requirements.

A Variety of Shapes in Tablet Design

Ready for every case

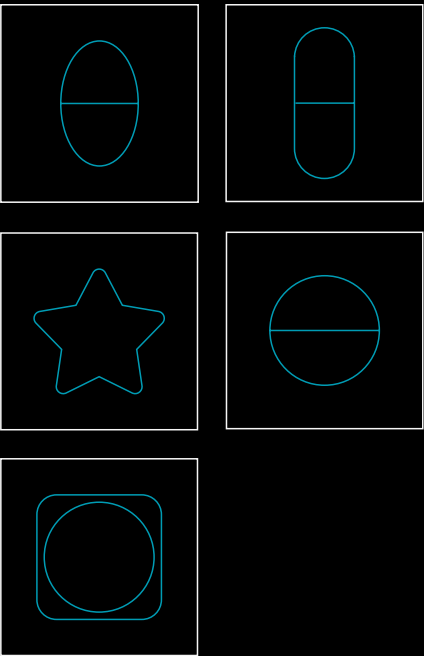
The most commonly chosen tablet shapes for highly efficient production are round and flat or shallow-convex. With these geometries, the source material is easy to fill, dose, compress, and discharge efficiently. A simple tablet design also allows production at the highest turret rotation speeds. Even with large batches, manufacturers can achieve high tablet volumes with consistent hardness, stable edges, and low sticking tendency this way.

The situation is different with special shapes. Some users want to give their products a unique identity through shape as well – whether for marketing purposes or greater brand recognition. They then opt for a distinctive tablet design.

For some active ingredients, the dosage also determines the shape. For example, if the tablets are to be coated, convex or spherical shapes are required. With a high overall tablet mass, a round tablet may be too large to swallow comfortably. In this case, an oval or narrow oblong format is a suitable alternative.

We offer tableting tools and tablet presses that work together seamlessly regardless of shape. Precise compression force calculation using the CAD-supported Finite Element Method (FEM) ensures safe operation up to the load limits of the punch material. This calculation method, precisely matched to the tablet form, is a standardized process and a fundamental prerequisite for every product release.

Whatever your tablet design requirements, we develop the right solution.



Punches at a Glance

Maximum flexibility.

Maximum output.

All our punches are designed for seamless interaction with the turret and tablet press. In addition to standard punches in proven quality, we also offer FS® punches and multi-tip tools.

FS® punches

Our FS® punches feature an optimized head shape and smooth run-up behavior. This increases dwell time, reduces wear and noise, and noticeably improves tablet quality within a batch.

FS12®

- + Up to 40 percent higher output
- + Compatible with all i Series and FE Series machines
- + Improved tablet quality
- + Tablet diameter up to 11 mm
- + Compression force up to max. 33.7 kN
- + Designed for Pmax® technology
- + Dwell time comparable to the EU19 punch



FS19®

- + 30 percent longer dwell time than EU19 – delivering higher tablet quality or higher output at the same quality
- + Reduced wear
- + Tablet diameter up to 18 mm
- + High compression force up to max. 94.5 kN
- + Compatible with all Fette Compacting tablet presses
- + Reduced operating noise



Multi-Tip Tools

Multi-tip tools significantly increase productivity by producing multiple tablets simultaneously per compression cycle. Fette Compacting offers multi-part and monolithic variants – both also suitable for mini-tablets. With up to 37 tips per punch, up to 37 times as many tablets can be produced per compression cycle as with a single-tip tool. This enables cost-effective output levels even with small tablet diameters.

Multi-part multi-tip tools

- + Individual tips replaceable
- + Combination of different materials possible
- + Multiple different tips can be fitted to a single punch



Monolithic multi-tip tools

- + Higher precision
- + Easier cleaning without disassembly
- + Ideal for high hygiene requirements



FS Technology®		Standard	
FS12®	FS19®	EU19	TSM19 domed head (TED 19)
Ø 19	Ø 28	Ø 25.27	Ø 25.4
Ø 8	Ø 12.5	Ø 9.6	Ø 9.5
Ø 12	Ø 19	Ø 19	Ø 19
Additional available punch types: EU1"-441 and FS45.		Additional available punch types include: EU1, TSM1" domed head (TED 1"), EU28, EU35.	

Bellows and Dust Caps

Safety in detail

The bellows and dust caps from Fette Compacting do more than just reduce stress on the press tools. Thanks to detectable silicone (deSi) with added iron, even the smallest fragments can be reliably identified by metal detector in the event of damage. Additionally, the holding ring is eliminated during bellows assembly, saving additional handling steps. At high turret rotation speeds, vented keyways are required to ensure reliable operation.

- Your benefits at a glance:**
- + Detectable by metal detectors and visually for fast, reliable identification in the event of damage
 - + Fragments as small as 2 × 2 mm can be detected in the corresponding direction of travel
 - + Optimized geometry for penetration depths of up to 8 mm
 - + Standardized for use in the i Series and FE Series and suitable for all turrets
 - + Preferred for use with tools featuring a combination ring groove

- + Fast and easy installation without retaining rings or installation aids
- + Compliant with Regulations (EC) No 1935/2004, (EC) No 2023/2006, and applicable FDA requirements

deSi Bellows – punch head types for i Series and FE Series

					
	Ø 12 mm	Ø 19 mm	Ø 25.35 mm	EU28	EU35
Upper punch/Lower punch up to 18 mm	7264303	7260998	7260989	7409487	7409486

deSi dust caps – punch head types for i Series and FE Series

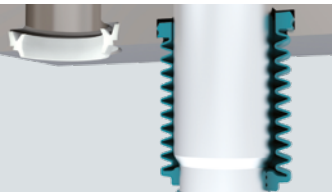
					
	Ø 12 mm	Ø 19 mm	Ø 25.35 mm	Ø 28 mm	Ø 35 mm
Upper punch	7260534	7260535	7260536	7319190	7319410



Example FE Series



deSi bellows in the FE Series

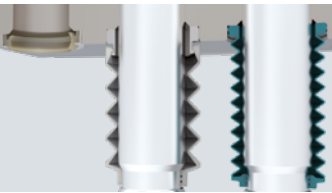


Comparison:
Oil ring to deSi bellow

Example i Series



deSi bellows in the i Series



Comparison: previous bellows with oil scraper ring and retaining ring versus the deSi bellows

Segments

Quick performance boost

With segment technology, Fette Compacting offers – in addition to classic dies – a solution that lets you significantly increase the performance of your tablet press. Productivity gains of up to 40 percent are realistic, along with shorter changeover times and longer service life.

Here's why: A segment turret integrates significantly more tablet stations at the same size. The segments replace the conventional turret die table of the turret along with the dies. The bores are machined directly into the segments. Unlike the conventional turret die table, segments can be swapped by loosening only two locking screws. Depending on the tablet press type, you need three or five segments per turret.

Tablet presses can be retrofitted easily and quickly with this technology. Production parameters and filling behavior remain unchanged. You can continue to use your stored production data – as well as your existing punches, provided the keyway position is adjusted. Operators benefit too: The simplified assembly and disassembly of the segments eliminates numerous work steps during a product changeover.

Your benefits at a glance:

- + Up to 40 percent higher output
- + Up to 50 percent reduced product loss
- + 100 percent dimensional accuracy compared to dies
- + Up to 70 percent time savings during changeover

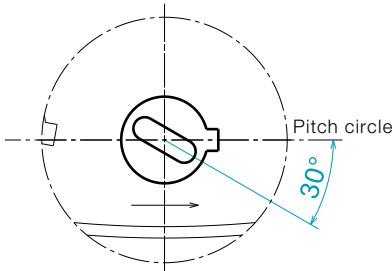


Groove and Keyway Positions

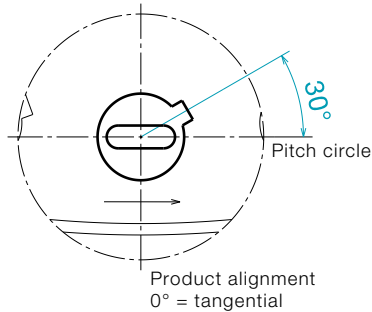
Precise alignment for the highest tablet quality

Groove position in turrets and position of the tablet form to keyway

Standard die turret EU + FS 30°

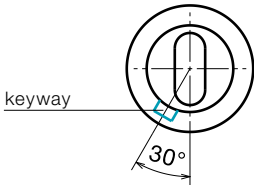


Standard segment turret EU + FS 30°

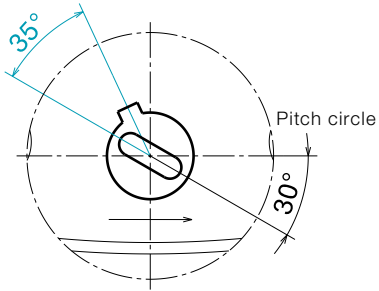


Upper punch for profiled tablets
(View of pressing surface)

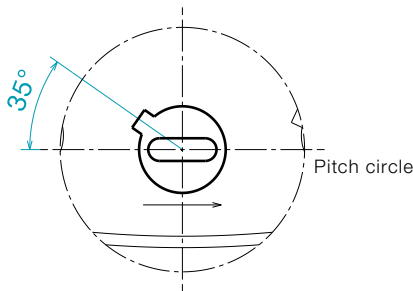
30°
(Fette Compacting Standard EU and FS®)



Standard die turret TSM 35°

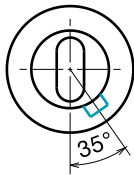


Standard segment turret TSM 35°



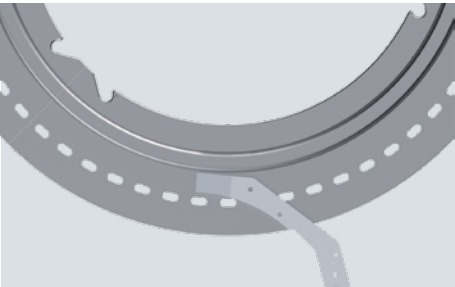
Upper punch
(View of pressing surface)

35°
(Fette Compacting Standard TSM)



The angle of the keyway with respect to the turret, as well as the profile positioning of the keyway in the punch, are of vital importance to problem-free production, particularly in the case of profiled tablets. The way in which the tablets meet the wiper can be affected by considering these factors. This leads to a higher output of good tablets, and the filling and dosing processes can be affected by the product alignment.

Take-off orientation



Orientation tangential 0°

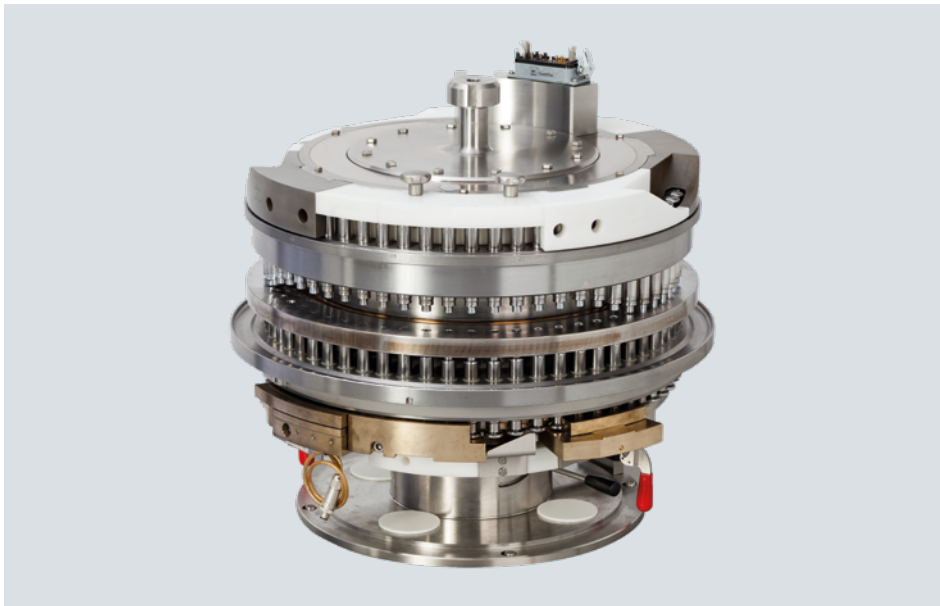


Orientation 30°

Turrets

The powerhouse

Turrets are the heart of the tablet press. Our portfolio includes classic turrets as well as the Pmax® turret. The latter uses Fette Compacting's segment technology and is ideal for elevating existing machines to a new performance level.



Turrets
Fette Compacting turrets deliver the highest precision. Strict manufacturing tolerances ensure exact dimensional accuracy and reliable operation.

Various configurations are available depending on your requirements – for example, in stainless steel or with different groove positions, keyways, or integrated RFID chips. The turrets are available with both segment and die technology and can be equipped with all common punch types.

Manufactured in Germany entirely in-house, the turrets deliver consistently high quality and maximum adaptability for the widest range of applications.

The driving force behind your turrets:
Torque-drive
In Fette Compacting tablet presses, a torque direct drive is positioned directly beneath the turret to power it. It delivers significantly greater cost-effectiveness and reduced maintenance requirements.



- Your benefits at a glance:**
- + Energy cost savings of up to 50 percent through lower power consumption
 - + Maintenance-free direct drive on the shaft – no gearbox needed
 - + Ideal true running for smoother running machine





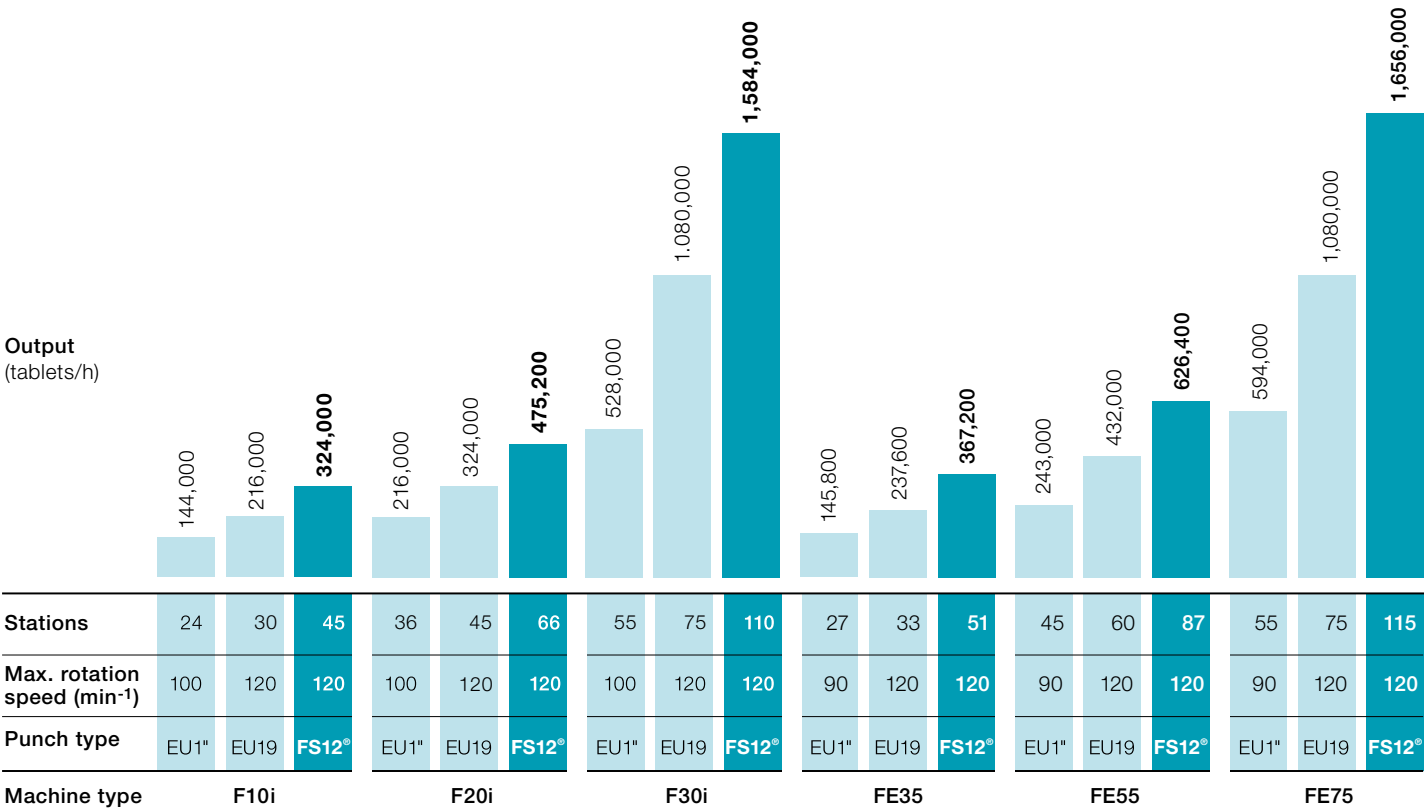
With the patented FS12® punches the Pmax® turret is a trailblazing solution for efficient tablet production under high cost and time pressure. The technology increases output by up to 40 percent – without additional investments or staffing. This is achieved through an increased number of punch positions and the optimized geometry of the FS12® punches.

The Pmax® turret integrates seamlessly into existing machines without any changes to production parameters. It is particularly effective in high-volume production environments such as the manufacturing of generics or nutritional supplements, where it unfolds its full potential.

Your benefits at a glance

- + Up to 40 percent performance increase without changing production parameters
- + Individual compression force measurement even at small diameters
- + Smooth machine operation for reduced wear and lower costs
- + 100 percent quality assurance through individual rejection of defective tablets

The Pmax® turret with patented FS12® punches increases output by up to 40 percent.



- FS12® Punches – more performance**
- + Application-optimized punch heads
 - + Mirror surface size equivalent to EU19/8 punch
 - + Punch head diameter 19 mm
 - + Long dwell time
 - + Punch shaft diameter 12 mm

Materials

Always the right material

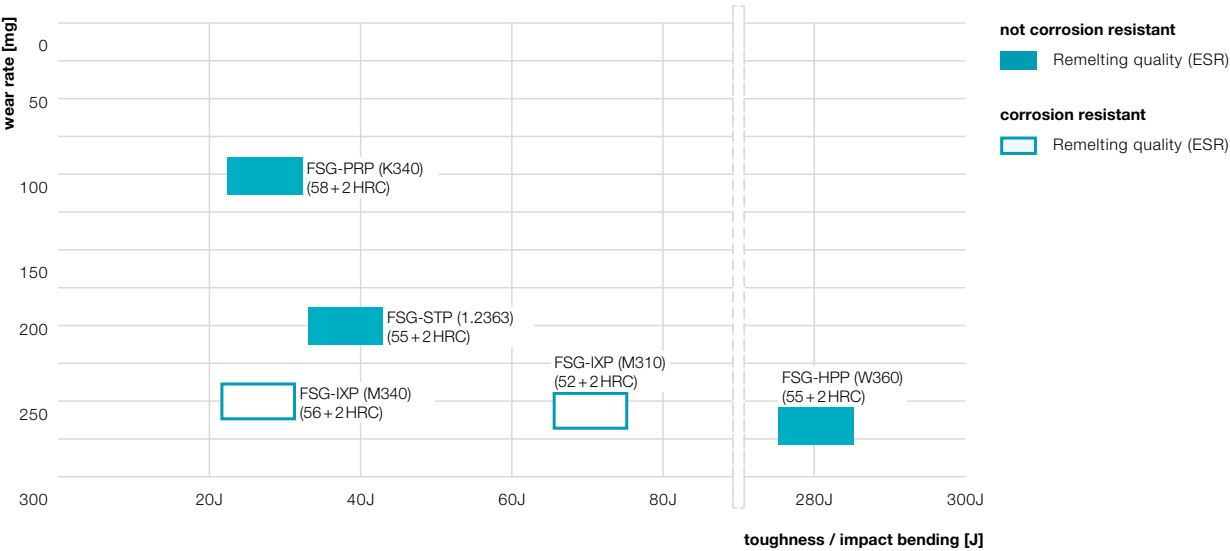
Material composition and features

Material	C	CR	MO	V	SI	MN	W	WC	CO	Features
Punch										
FSG-STP (1.2363)	1	5.2	1.1	0.25	0.3	0.55				Standard
FSG-PRP (K340)	1.1	8.3	2.1	0.5	0.9	0.4				Wear resistance
FSG-HPP (W360)	0.5	4.5	3	0.6	0.2	0.25				High pressing force, good toughness
FSG-IOP (M310)	0.38	14.3		0.2	0.7	0.45				High corrosion resistance
FSG-IXP (M340)	0.54	17.3	1.1	0.1	0.45	0.4				High corrosion resistance
Segments										
FSG-STs (Sleipner)	0.9	7.8	2.5	0.5	0.9	0.5				Standard
FSG-PRS (1.2379)	1.55	11.8	0.75	0.82	0.4	0.3				Alternative for Sleipner
FSG-IXS (M390)	1.9	20	1	4	0.7	0.3	0.6			High corrosion resistance
FSG-CIS (Sleipner+HB40F)	0.9	7.8	2.5	0.5	0.9	0.5		88	12	Extremely hard and wear-resistant
Dies										
FSG-STD (1.2379)	1.55	11.8	0.75	0.82	0.4	0.3				Standard
FSG-IXD (M390)	1.9	20	1	4	0.7	0.3	0.6			High corrosion resistance
FSG-CID (1.2343+HB40F)	0.38	5	1.3	0.4	1.1	0.4		88	12	Extremely hard and wear-resistant

The service life of tableting tools depends critically on high-quality materials and their heat treatment. Fette Compacting uses high-alloy, through-hardened tool steels and tailors the heat treatment specifically to the respective formulation – drawing on the expertise of its own in-house hardening and coating department. Material data sheets and certificates are available upon request.

We are happy to advise you on material selection.

Punches (Rubber Wheel Test)



Quantitative wear of the properties, wear resistance / toughness according to manufacturing technologies

Coatings

Optimal protection for every application

Tableting tools face ever-higher stresses due to increased compression forces and faster processes. At the same time, the variety of materials being processed continues to grow. Some products develop a pronounced sticking tendency. Others are particularly abrasive due to their coarse-grained structure or hardness. Specially developed coatings safeguard tool performance and help boost output.



Hard chrome plating
(FCG-HCP)



PVD-chrome
(FCG-PCR)



Chrome nitride
(FCG-CRN)



Chrome nitride – super smooth
(FCG-SCR)



Titanium nitride
(FCG-TIN)



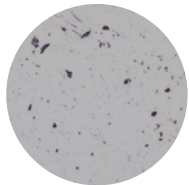
Titanium aluminum nitride
(FCG-TAN)



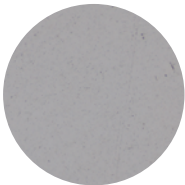
Diamond-like carbon
(FCG-DLC)

Thickness [µm]	3–5	2.5–4	2.5–4	5–6.5	2.5–4	2.5–4	2.5–4
Hardness [HV0.03]	1,000	1,000	1,800	2,000	2,500	3,600	2,800
Wear resistance	+	+	++	++	++	+++	++
Anti-adhesion	+	+++	++	+++	++	++	+++
Corrosion protection	+++	+++	++	++	+	+	+
Roughness Rz	0.131 µm	0.126 µm	0.148 µm	0.073 µm	0.237 µm	0.092 µm	0.055 µm

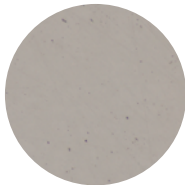
Surface 50x magnified



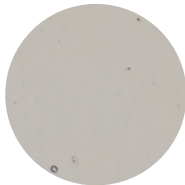
- + Improved corrosion resistance
- + Improved wear resistance
- + Reduced friction and product sticking to the punch



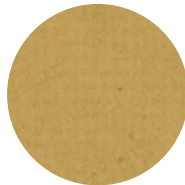
- + More wear-resistant than hard chrome plating
- + Very good anti-stick properties compared to hard chrome plating
- + Good corrosion properties



- + Greater wear resistance than hard chrome plating
- + Very good anti-stick properties compared to hard chrome plating
- + All-round coating against sticking and wear



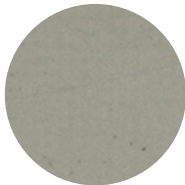
- + Wear-resistant coating for punches with the best anti-stick properties



- + High wear resistance
- + Improved anti-stick properties compared to hard chrome plating
- + Suitable for highly abrasive products



- + Highest wear resistance
- + Suitable for crystalline powders such as salts or mineral tablets



- + Hard, wear-resistant coating for punches with good anti-stick properties

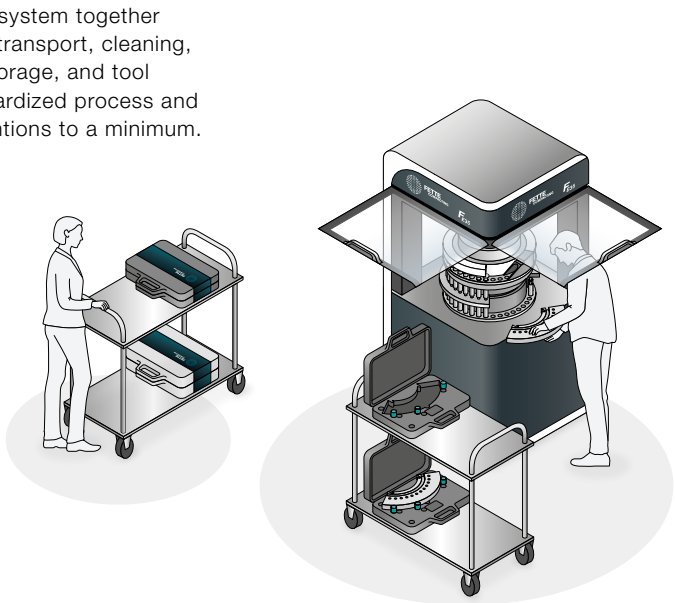
EasyCare

A complete system for safe tool handling

In day-to-day production, tableting tools are subject to high stress levels and are frequently transported. Despite a high degree of automation, tool handling remains largely a manual task. Damage can occur quickly – for example, when sensitive components accidentally collide.

To make handling as safe and straight-forward as possible, we have developed the EasyCare complete system together with partners. It covers transport, cleaning, polishing, inspection, storage, and tool management in a standardized process and reduces manual interventions to a minimum.

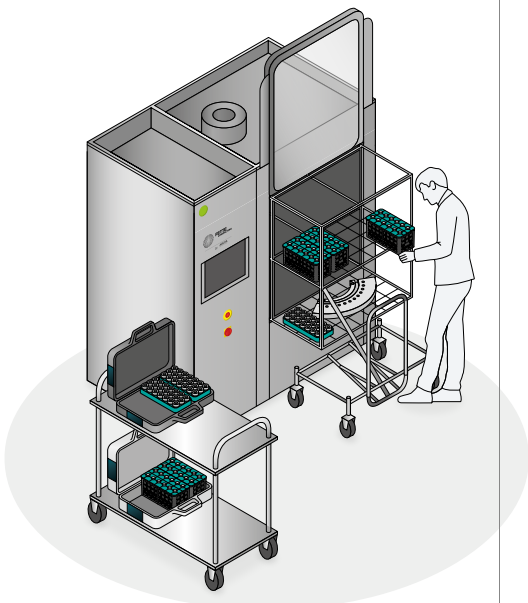
All modules of the system comply with Good Manufacturing Practice (GMP) standards. The GMP-compliant quality management system ensures that manufacturers meet health authority requirements for product quality.



1. Transport

TRI.EASY Tool Box System

The patented TRI.EASY Tool Box System consists of different case types for punches, segments, and dies. The tools are housed in special trays that can be placed directly into the cleaning machine – no time-consuming transfer required. Thanks to the ergonomic design, operator risk is significantly reduced.



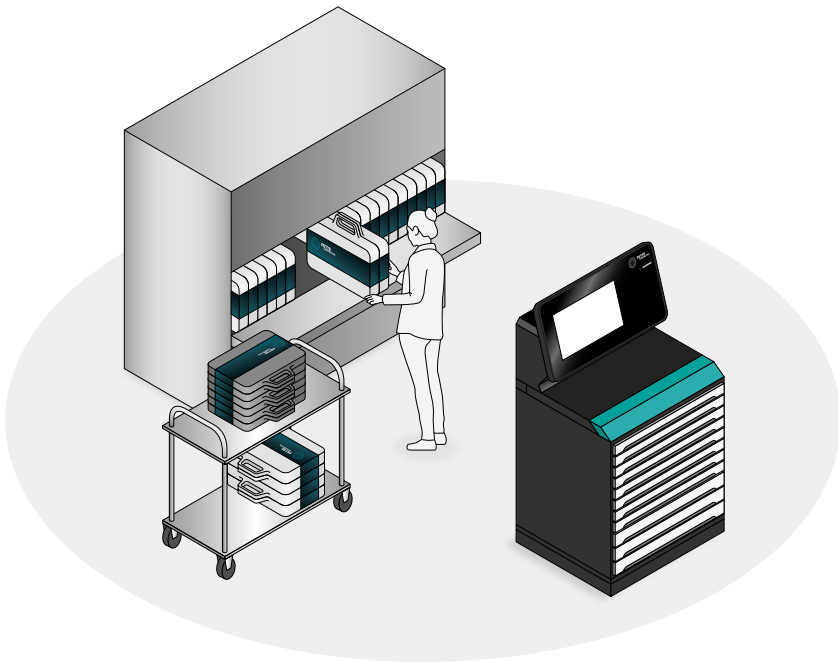
2. Cleaning

Good Manufacturing Practice (GMP) in tool cleaning is demanding. For GMP-compliant cleaning, the integrated system from Fette Compacting, ARUNA AG, and Borer Chemie AG is the ideal choice. The TRI.EASY trays with predefined positions for punches, segments, dies, bellows, and dust caps fit precisely into the ARUNA cleaning system. With the validated cleaning and corrosion protection agents from Borer Chemie, the tools are cleaned residue-free.



3. Polishing

After cleaning, the tools should be machine-polished. The polishing machine from Nortec is specially designed for tableting tools. Compared to manual polishing, it delivers higher efficiency and a lower risk of damage. It also prevents tablets from sticking to the punches. Both the granulate and the polishing paste are food-grade. The capacity accommodates punch sets of up to 110 punches.



4. Storage

After each use, the tableting tools should be visually inspected. Pay particular attention to the compression surface, the head, and, where applicable, the shaft. Storage in TRI.EASY Tool Boxes is recommended afterward. The boxes stack easily and protect against moisture and heat. A long-term preservation agent extends storage life even further.

PartSite®

The tool management system from Gühring enables simple and reliable system-based management of tools and machine parts. It provides real-time information on the condition and availability of your tools, helping ensure reliable tablet production.

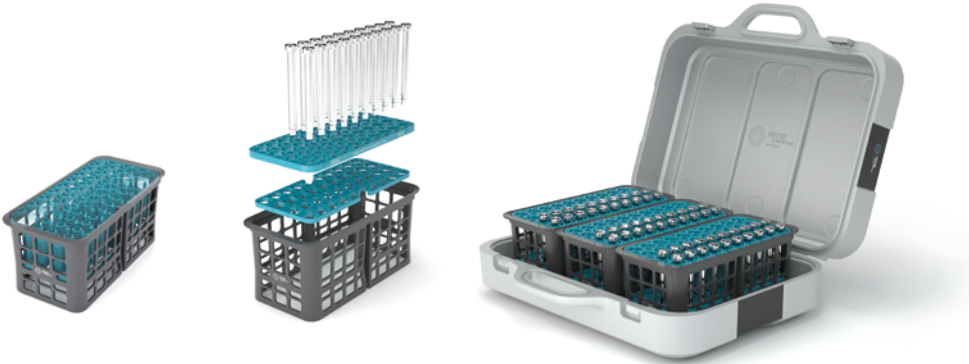
EasyCare

TRI.EASY Tool Box System

The tool boxes are made of food-safe poly-propylene plastic with trays and inlays made of polyoxymethylene for high strength, hardness, and rigidity at a wide range of temperatures during washing. The boxes, including tools, weigh max. 25 kilograms.

Punch boxes and bellows / dust cap trays

- + Box dimensions 544 × 436 × 175 mm
- + Max. total weight < 25 kg and individual trays < 8 kg
- + Boxes are heat-resistant up to 70 °C
- + Trays and inlays are heat-resistant up to 110 °C
- + Patented (EP3106268B1)



PUNCH Box WITH 3 TRAYS AND INLAYS

	Item No.
for FS12® with max. 120 punches	7256272
for EU19/TSM19/FS19® with max. 87 punches	7256273
for EU1"/EU1"– 441 / TSM1" with max. 36 punches	7256274
for EU28 with max. 36 punches	7331096
for EU35 with max. 27 punches	7411650

INDIVIDUAL COMPONENTS WITHOUT BOXES

FS12® tray incl. inlays for 40 punches	7259575
EU19/TSM19/FS19® tray incl. inlays for 29 punches	7259577
EU1"/EU1"– 441 / TSM1" tray incl. inlay for 12 punches	7259578
EU28 tray incl. inlay for 12 punches	7331095
EU35 tray incl. inlay for 9 punches	7411649
Bellows / Dust cap trays ø12, ø19 and ø1"	7399502

COMBINATION BOX WITH 2 PUNCH AND 3 DIE TRAYS

for EU19/TSM19/FS19® punch trays plus BBS (Ø22) / BB (Ø24) / B (Ø30.16) die trays	7274260
for EU1"/EU1"– 441 / TSM1" punch trays plus D (Ø38.1) die trays	7274265

Segment box

- + Box dimensions 544 × 436 × 87.8 mm
- + Max. total weight < 15 kg
- + One segment box for PT, i Series, FE Series and WiP
- + Compatible with all segment types
- + Easy plug-in system
- + Boxes are heat-resistant up to 70 °C
- + Trays are heat-resistant up to 110 °C
- + Patented (EP3103594B1)



SEGMENT BOX WITH PLUGS

	Item No.
1 segment for PT and i Series (F10i / F30i / 1090 WiP / 1200 / 2090 / 3090 / 4090) and FE Series (FE35 / FE55 / FE75)	7256277
1 WiP segment for PT and i Series (2090 WiP / 3090 WiP)	7285620

INDIVIDUAL COMPONENT

Segment tray for one segment	7345582
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SEGMENT BOX WITH PLUGS AND TRAY

	Item No.
1 segment for PT and i Series (F10i / F30i / 1090 WiP / 1200 / 2090 / 3090 / 4090) and FE Series (FE35 / FE55 / FE75)	7402236
1 WiP segment for PT and i Series (2090 WiP / 3090 WiP)	7402228

Die boxes

- + Box dimensions 544 × 436 × 87.8 mm
- + Max. total weight < 15 kg with max. 63 parts
- + Boxes are heat-resistant up to 70 °C
- + Trays are heat-resistant up to 110 °C
- + Patented (EP3106268B1)



DIE Boxes WITH 3 TRAYS

	Item No.
for BBS (Ø22) / BB (Ø24) / B (Ø30,16) and D (Ø38,1) with max. 63 dies	7256276

INDIVIDUAL COMPONENT

Die tray for 21 dies	7256243
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EasyCare

Clean, polish, and store



Cleaning Systems SDC800/SDC1200 from ARUNA

The wash trays from Fette Compacting are perfectly matched to the fully automatic ARUNA cleaning systems. These systems can be used not only for tableting tools but also to clean other product-contact machine parts. The cleaning process covers washing, drying, and preservation. The automatic surge cleaning outperforms

manual and ultrasonic methods in both operational reliability and reproducibility. The SDC800 cleans more than twice as many punches per hour as a comparable ultrasonic system. Once the care cycle is completed, the tools emerge from the system fully preserved. All process steps are thoroughly documented and can be verified in a report.

Model SDC800 and SDC1200	
Wash chamber L x W x H	800 x 800 x 900 mm / 1200 x 1200 x 900 mm
Number of doors	1 or 2
Door opening	Vertical
Water consumption	40–80 l per water change
Water media connections	Up to 3; more available on request
Detergent connections	Up to 4; more available on request
Maximum wash pressure	3 bar
Maximum delivery rate	500 l/min or 666 l/min
Heating	Steam or electrical



Polishing Machine PA500 from Nortec

The PA500 polishing machine is specially designed for tableting tools. Punches and dies are gently suspended in purpose-designed holders. It delivers consistent polishing results for punch sets of up to 110 pieces. Both the granulate and polishing paste are food-grade approved.

Model PA500	
External dimensions L x W x H	970 x 740 x 1950 mm / 1100 x 870 x 1950 mm
Power	1.5 kW / 2 kW
Power supply	230 V, 50 Hz, 3 m cable
Holder types for PA500	
FS12® punch holder	110 punches
EU19/ FS19®/ TSM19 punch holder	80 punches
EU1" / EU1"-441 punch holder	60 punches
EU28 punch holder	60 punches
BBS, B, BB, and D die holder	80 dies



PartSite® Tool Management from Gühring

The tool management software documents all relevant movement data of your inventory, triggers reorders, and enables a wide range of analyses. Its modular architecture transparently maps the entire tool lifecycle from storage through deployment to scrapping.

Model TM 326	
Base unit, Gühring System W x D x H	1003 x 755 x 1710 mm
Extension unit, Gühring System W x D x H	1003 x 755 x (1170, 1570) mm
Usable drawer dimensions W x D x H	900 x 606 x (60,85,135,185) mm
Maximum load per drawer	200 kg
Maximum load per system	2.000 kg
Electrical connection data	
Operating voltage	110–230 VAC / 50/60 Hz
Power consumption	Min. 95 W / Max. 1.1 kW

Explore More Products and Services

Complete brochure overview:
www.fette-compacting.com/en/downloads



FE Series

The FE Series stands for high performance, flexible applications, and process-reliable production. It ensures quality and efficiency in tableting and, combined with the FE CPS, enables reliable continuous production. The FE Series unites innovation and user-friendliness.

- + FE35: Specialist for small batches and fast product changeovers
- + FE55: The all-rounder – productive, efficient, and flexible
- + FE75: Double rotary tablet press for maximum output



Brochure: FE Series



FE CPS

Continuous Manufacturing delivers efficiency and quality benefits. The FE CPS is a compact solution that is easy to install. It offers the flexibility needed for product changeovers and for process-driven formulation development. The FE CPS paves the way from lab to serial production.

- + Operation, maintenance, and changeover – easy, safe, and fast
- + Processing of numerous formulations from 5 to 400 kg/h
- + Cleaning and product changeover in less than one shift



Brochure: FE CPS



i Series

The i Series delivers solutions for higher performance and easy handling – even in demanding productions. With cross-generation system compatibility and intuitive controls, the i Series simplifies manufacturing and boosts productivity – from start-ups to major pharmaceutical companies.

- + F10i: Easy to adapt and ideal for smaller batches
- + F20i: High-performance across a broad range of applications
- + F30i: Double rotary tablet press for large batches



Brochure: i Series



Process Equipment

We supply tailored process equipment as part of integrated end-to-end solutions for tablet production. From product feeding through to process integration, you benefit from coordinated systems, clearly defined interfaces and a single point of contact. In this way, we reduce complexity and create reliable workflows for efficient, scalable production.

- + Complete solutions from a single source
- + Seamless integration into existing processes
- + Proven partner technologies and reliable service
- + Reduced complexity through a single point of contact



Brochure: Process Equipment



p Series

The p Series provides tablet presses for all batch sizes – from R&D to large-scale production. Following the PURE principle, they deliver high performance, standardized technology, and low operating costs. Their compact, easy-to-clean design ensures safe and smooth operation.

- + F10p: Compact specialist for small batches and clinical samples
- + F20p: Flexible all-rounder with exceptionally fast changeover times
- + F30p: High-performance tablet press for high-volume production



Brochure: p Series



Production Services

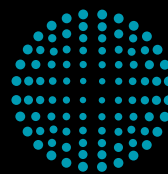
Our Production Services provide comprehensive support for your tablet production – from initial commissioning to process optimization in day-to-day operation. Our experts ensure maximum machine availability, minimal downtimes, and future-proof systems.

- + Technical support and fast spare parts management
- + Data-driven process optimization and fleetmanagement
- + Machine modernization and refurbished pre-owned machines
- + Global training program



Brochure: Production Services





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