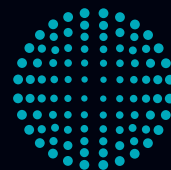




Production Services

Performance throughout the entire lifecycle



FETTE
COMPACTING

together from lab to production

Research & Development



Knowledge Base QED

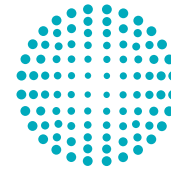
- › Concentrated expertise: Access to more than 75 years of tableting experience
- › Decide with confidence: A digital foundation for sound process planning

Formulation development

- › Formulation consulting: Expert support backed by pharmaceutical expertise
- › Understand your materials: Precise characterization of your active ingredients and excipients

Process Development

- › Test without risk: Emulator-based trials
- › Stay in control: Development of tailored control strategies
- › Leverage your data: Seamless integration of Process Analytical Technology (PAT)



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 lifecycle 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.

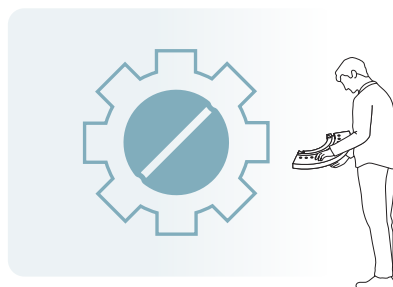
As your holistic process partner, we provide complete solutions. Whether pharma, nutrition, or chemical: We combine tailored consulting with deep technological know-how. The result: customized, efficient solutions for every phase of your product lifecycle – and a partnership that delivers real value.

Production



Technology Transfer

- › Scale with ease: Reliable transition from development to production
- › Navigate regulatory requirements: Support in overcoming regulatory hurdles
- › Validate your processes: Efficient transfer and safeguarding of your processes



Production

- › Produce flexibly: Tablet presses for batch operations and Continuous Manufacturing
- › Protect people and the environment: Purpose-built containment solutions
- › All from a single source: Process equipment and tableting tools



Process Optimization

- › Boost performance: Ongoing production support
- › Minimize risks: Identify and address weak points early
- › Improve processes: Development of customized optimization strategies

Our Production Services at a Glance

End-to-end support from commissioning to optimization



Production Services

Every minute of downtime costs money. Tablet presses often run around the clock, but new products, increasing process complexity, and regulatory demands pose significant challenges for production teams. You need a partner who understands how your machine works – from the first test run to peak operation.

We ensure that your machine operates efficiently, compliantly, and cost-effectively in the long term.

Production

A smooth production start is the foundation of your success. With our Ramp-up Support, we ensure a fast and secure start of your systems directly after technical qualification. During ongoing operations, we support you with hands-on training, worldwide technical support around the clock, and fast Spare Parts Management. This ensures that your machines are always available and that your teams can operate them with confidence.

Ramp-up Support	Page 6
Training Program	Page 8
Technical Customer Support	Page 10
Spare Parts Management	Page 11



Process optimization

Once operations are running smoothly, we help you tap into unused potential. Through targeted risk analyses, data-based process optimization, and our Fleetmanagement, we increase the efficiency of individual machines or your entire machine fleet. With modern solutions and in-depth analysis, we improve equipment availability and sustainably optimize your production processes.

FMECA Service
Process Support Production
Fleetmanagement

Page 12
Page 13
Page 14

Modernization and value preservation

With General Refurbishments and targeted modernization, we preserve and strengthen the performance of your machines. We bring machines up to the latest technical standards, extend their service life, and sustainably increase efficiency as well as availability. This secures the long-term value of your assets and the future readiness of your production.

Refurbishment
Machine Modernization

Page 15
Page 16

Ramp-up Support

Fast and regulation-compliant ramp-up of your system



The start of a new or modified production line is a particularly sensitive phase. After Installation Qualification (IQ) and Operational Qualification (OQ), the system must deliver stable performance as quickly as possible. Our Ramp-up Support guides you exactly through this phase: We minimize ramp-up risks, optimize interfaces, and ensure that your production runs efficiently and in full regulatory compliance from day one. Our experts support you directly at the machine – from troubleshooting to fine-tuning process parameters.

Your benefits at a glance:

- + Seamless transition: Direct follow-up to the IQ/OQ phase
- + Faster time-to-market: Shortened ramp-up phase through targeted expert support
- + Compliance: Support with Performance Qualification documentation
- + Risk minimization: Early identification and resolution of technical and process-related bottlenecks



Training Program

Knowledge that lasts

The performance of a machine is inseparable from the skills of the people who operate it. Modern tablet presses from Fette Compacting use more than 300 parameters to precisely control processes. This requires in-depth technical understanding.

Our modular Training Program delivers exactly this know-how – hands-on, certified, and available worldwide. Whether in our Competence Centers in Brazil, China, Germany, India, the USA or directly at your site: We strengthen your team's skills in the safe and efficient operation of your machines. We offer our training in six languages, and participants always conclude with a performance review and a certificate. Additional training offerings, including those for R&D Solutions, can be found in our training brochure.

Your benefits at a glance

- + Higher Overall Equipment Effectiveness (OEE): Trained personnel significantly increase machine availability and output
- + Quality assurance: Reduced product losses and consistent tablet quality
- + Cost efficiency: Minimized changeover times, wear, and unplanned downtimes
- + Certified: All trainings conclude with a certificate in accordance with 21 CFR
- + Worldwide availability: Training in Brazil, China, Germany, India, and the USA
- + Multilingual offering: Training delivered in English, French, German, Mandarin, Portuguese, and Spanish

Training modules for production



Operational excellence

Daily production demands the highest precision and efficiency. Skilled process management ensures sustained product quality and early detection of deviations. The goal: maximize output, minimize product losses, and deliver smooth, performance-optimized operations.

- + Introduction
- + Operation
- + Tableting Performance
- + In-Process Control
- + Tableting Tools



Efficient maintenance and changeover

Every minute of downtime costs money. With the right expertise, downtimes can be significantly reduced through targeted maintenance. Confident handling of machine components, fast format part changes, and proper tool care prevent mechanical wear and safeguard machine availability.

- + First Maintenance Steps
- + Mechanical Maintenance
- + Electronic Maintenance
- + Cleaning and Changeover
- + Turret Changeover
- + Removal Arm



Special applications and technology

Special products demand the highest degree of process understanding and technological competence. Whether multi-layer tablets, Continuous Manufacturing, or highly active substances: Solid practical knowledge is the key to executing even the most demanding applications safely, routinely, and efficiently at all times.

- + Bi-Layer Tableting
- + Introduction FE CPS
- + Operation FE CPS
- + Formulation Development FE CPS
- + Cleaning and Changeover FE CPS
- + Operation ePAT
- + WiP and Airmanagement
- + Mechanical Maintenance WiP
- + Electronic Maintenance WiP



Individual trainings

Every production environment is unique. That's why it often makes sense to tailor learning content exactly to existing skill levels and specific machine configurations. A training concept closely aligned with your processes and machines—whether through adapted content or the integration of specific production parameters—equips your team for lasting, hands-on success.



Brochure: Global Training Program

Technical Customer Support

Support in every situation

Maximum machine availability is the foundation of your success. Our Technical Customer Support keeps your production on track. We support you throughout the entire lifecycle of your machine – from commissioning support to regular maintenance and care. Whether rapid remote assistance or hands-on deployment on site: We are where you need us.

Specialists for your success

Our approximately 130 field service technicians are trained worldwide to handle all aspects of tableting. Many of them hold a unique dual qualification in industrial mechanics and energy systems electronics or mechatronics. They also receive comprehensive training in GMP requirements and IT support and work closely with experts at our global representatives in 50 countries. This ensures that our field service technicians fully understand the complex interdependencies of your machine.



First level support

Fast, location-independent help in real time. Our experts support you by phone, through our digital tools, or via secure remote access. The combined know-how of our service teams is just a click away.



Planned maintenance

Prevent unplanned downtimes with forward-looking inspections, calibrations, and maintenance. We coordinate appointments with you well in advance to minimize disruptions to your production workflows.



On-site troubleshooting

When emergencies arise, we have you covered. Our worldwide, close-knit network of service technicians guarantees fast response times and precise troubleshooting directly at your machine.

Spare Parts Management

Quality without compromise



Efficient production relies on the optimal synergy of tablet presses and their components. As a technology leader, we pursue a consistent OEM strategy (Original Equipment Manufacturer) for spare parts supply. For both our own machines and process equipment, we exclusively use parts from the original manufacturers.

Our spare parts undergo a continuous improvement process to ensure optimal fit and performance. Thanks to our worldwide logistics network, we can deliver spare parts within 24 hours.

Find the right spare part with eCAT

The electronic Spare Parts Catalog (eCAT) from Fette Compacting fundamentally simplifies your ordering process. Register and gain direct access to the detailed technical documentation of your machines – for effortless ordering of the parts you need.



[Register now](#)

Your eCAT benefits at a glance:

- + Comprehensive: Available for machines manufactured from approximately 2015 onward
- + Visual: View components and assemblies in 2D or 3D
- + Interactive: Easy identification through zoom, rotate, and pan functions
- + Informative: Detailed component information with a single click
- + Fast: Keyword search for immediate results
- + Direct: Shopping cart for orders or quote requests – no detours

FMECA Service

Proactively manage risks



In pharmaceutical production, nothing can be left to chance. Our FMECA Service (Failure Modes, Effects, and Criticality Analysis) provides you with a structured approach to identifying, assessing, and minimizing risks associated with machines and components at an early stage.

We systematically analyze potential sources of failure and their impact on your production. As part of this, we conduct a detailed spare parts analysis customized to your machines – including the identification of critical components. On this basis, we develop a tailored strategy for spare parts procurement that minimizes downtimes, ensures supply security, and optimizes your maintenance planning.

Your benefits at a glance:

- + Maximum reliability: Enhanced process safety through preventive risk detection
- + Transparency: Clear overview of potential weak points across your machines
- + Optimized inventory: Targeted stocking of critical parts

Process Support Production

Data-driven process optimization for maximum efficiency



Make your production more efficient, more transparent, and sustainably better. Our Process Support guides you throughout the entire optimization process: from analyzing existing workflows and identifying improvement potential to conducting systematic test runs. We capture relevant data, analyze it, and present the results in clear, decision-oriented reports.

Whether at our facilities or directly at your machine on site: We lay the groundwork for informed decisions and sustainable process improvements that drive higher efficiency. This service is available for the F Lab, emulators, production machines, and the FE CPS including ePAT.

Your benefits at a glance:

- + Transparent decision-making:
Professionally prepared data and reports for stakeholders
- + Sustainable improvement: Systematic identification and utilization of optimization potential
- + Flexibility: Analyses and tests performed at your site or at Fette Compacting

Fleetmanagement

Increase performance across
your machine fleet



Our Fleetmanagement Service takes a holistic view of your entire machine fleet. We analyze the status quo, identify optimization potential, and develop tailored strategies to increase efficiency, utilization, and productivity.

By integrating data-driven insights and best practices, we create a clear roadmap for your success. We don't just assess your current situation but also provide concrete recommendations on how to sustainably improve your fleet performance and maximize your return on investment (ROI).

Your benefits at a glance:

- + Full visibility: Transparent analysis of the condition and performance of all machines
- + Strategic planning: Clear roadmap for long-term performance gains
- + Maximized ROI: Better utilization of existing assets

General Refurbishment

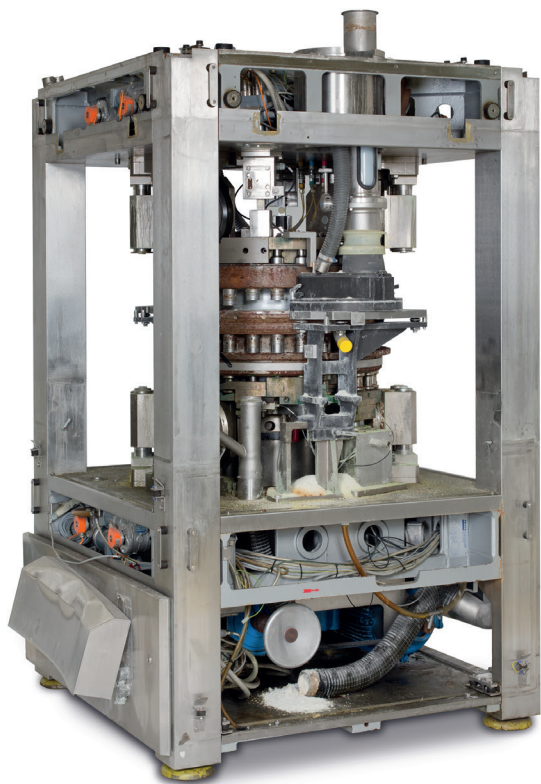
A second life for your machine

Used, refurbished tablet presses are an attractive solution for certain applications or a cost-effective alternative to a new machine. Earlier-generation tablet presses that we accept as trade-ins for new purchases, for example, are comprehensively refurbished by our technical service specialists. In the process, we equip them with modern technology and custom configurations to match your requirements.

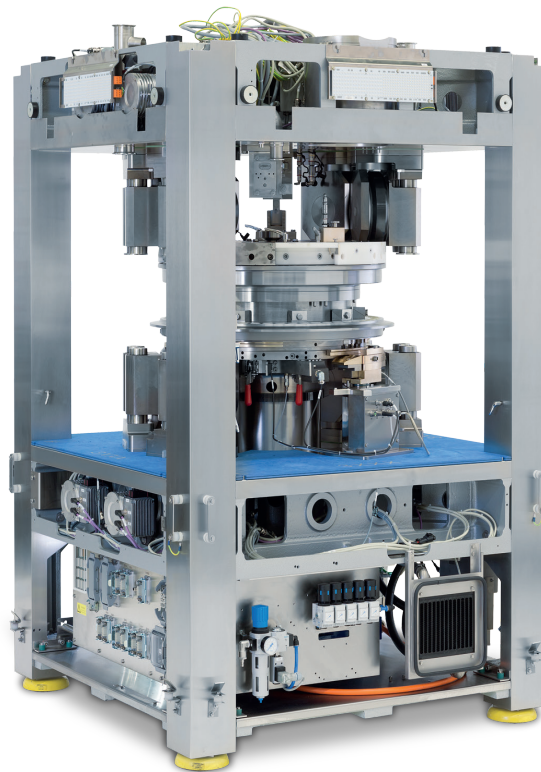
You can also have your own machine completely overhauled by us. This maximizes service life and safeguards the performance of your machine for the long term. Refurbished process equipment and a comprehensive supply of spare parts round out our offerings.

Your benefits at a glance:

- + Like new: Complete refurbishment of machines to the highest standards
- + Extended service life: Maximum extension of your machine's life
- + Customization: Customer-specific equipment tailored to your requirements
- + Confidence: General Refurbishment performed by experienced technical service professionals



Used tablet press before refurbishment



Used tablet press after professional refurbishment

Machine Modernization

Minimize risks, maximize efficiency

To ensure that your tablet press retains its proven reliability even after many years of operation, targeted component modernization is a key factor. We support you throughout the entire lifecycle of your machine and continuously develop modernization solutions to safeguard machine performance over the long term. We proactively notify you of changes to the operating system or component availability and offer appropriate solutions so that your machine always meets the latest technological and safety standards.

Your benefits at a glance:

- + Predictability: Targeted measures for modernizing critical components
- + Safety: Compliance with current technology and safety standards
- + Availability: Reduced risk of unplanned downtimes

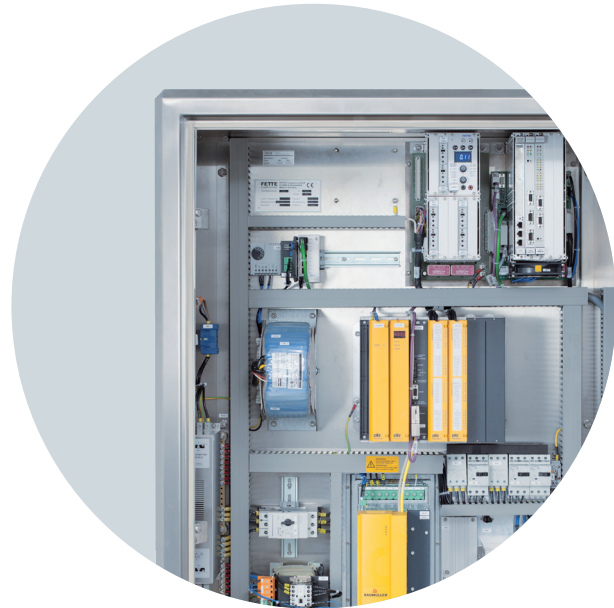
Performance upgrades

Get the most out of your existing machine. Take advantage of technological advancements for your proven machine.



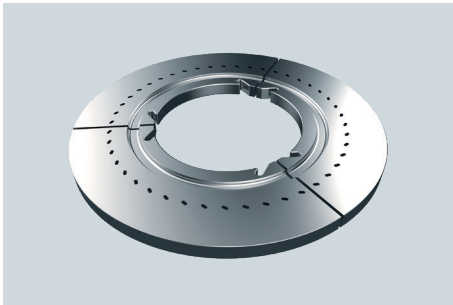
Operating system (Windows IoT Enterprise LTSC)

- + Enhanced operational reliability through modern software and technology
- + Seamless integration into your existing IT landscape
- + Dependable performance and intuitive operation



Switch cabinet

- + Frequency converter for stepless motor speed control
- + Safety Programmable Logic Controller (safety PLC) for monitoring and controlling safety-relevant machine functions
- + Central Processing Unit (CPU) based on the VME bus standard



Segment technology

- + Up to 40 percent higher output thanks to more stations per pitch circle
- + Significantly shorter changeover and cleaning times



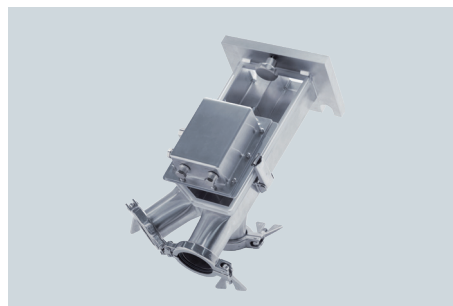
Pmax® turret

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



Air reject

- + Contact-free and wear-free rejection
- + Higher process safety through rejection directly at the die table
- + Rejected tablets remain intact for analysis



Closed tablet chute

- + Completely enclosed, dust-tight stainless steel spout
- + Better operator protection through reduced dust exposure and machine-washable parts
- + Tool-free disassembly for faster changeover times



Torque-Drive

- + Energy cost savings of up to 50 percent due to lower power consumption
- + Maintenance-free direct drive on the shaft eliminates the gearbox
- + Ideal smooth-running properties for quieter machine operation

Explore More Products and Services

R&D Solutions

Our R&D Solutions guide you from the first powder analysis all the way to validated serial production. Based on the Quality by Design (QbD) principle and cutting-edge technology, we minimize scale-up risks and shorten your time-to-market – for robust, scalable, and reliable tableting processes.

- + Efficient formulation development
- + Production-like process development
- + Seamless scale-up and secure technology transfer
- + Global Training Program



Brochure: R&D Solutions



Nutrition

We optimize the production of dietary supplements, confectionery, and organic products with expert formulation consulting, process expertise, and efficient tableting technologies. Our solutions combine high product quality with cost-effective, scalable production.

- + Reliable processing of challenging raw materials
- + Flexible production from small to large batches
- + Consulting from formulation to process optimization



Brochure: Nutrition





Together – from lab to production

With us, your product reaches market readiness faster. As an experienced R&D and process partner, Fette Compacting supports manufacturers with decades of expertise across the entire product lifecycle – from the first formulation concept to market launch and production.

- + Effective consulting and testing under GMP conditions
- + Services from formulation to process optimization
- + Faster time-to-market for your product

together 
from lab
to production



Brochure: Together – from lab to production

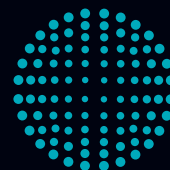
Global Training Program

With our Global Training Program, we bridge the gap between theory and practice and help you unlock the full potential of your tableting processes. We offer tailored modules for every phase of your process – from development to maintenance.

- + Standard modules and customized training programs
- + Certification according to 21 CFR
- + Flexible delivery at your site or at our Competence Centers
- + Global Training Program in six languages



Brochure: Global Training Program


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