



*Innovator  
by Experience*

Advanced  
Tableting Technology —  
some examples  
to prove it.

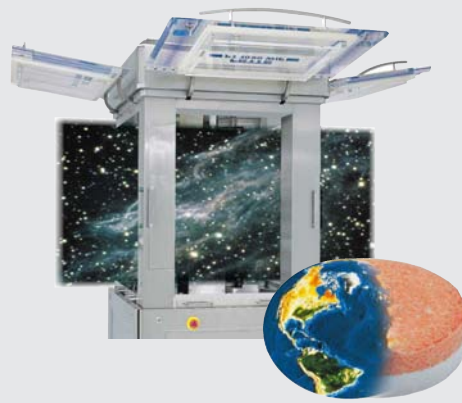
**FETTECOMPACTING** *Innovator by Experience*

Packaging - Processing

**Bid on Equipment**

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# The Portal

to advanced  
tableting technology

The term "tableting" is defined as the manufacturing of large batches of small to medium-sized products by use of compression. Several totally kinds of materials can be involved. For example various types of granules.

FETTE has detailed knowledge of this technology based on many years of experience and extensive use of FETTE tableting machines in the pharmaceutical and allied industries of Germany, Europe and the rest of the world.

Reciprocal technology transfer and the major synergies resulting from close cooperation with the actual users (i.e. our customers) have made a significant contribution to our success.

Our primary goal is the ongoing development of high-performance tableting machines for the whole pharmaceutical manufacturing industry. FETTE is also spearheading the trend towards the application of tableting techniques to other sectors of industry, especially the chemical industry.

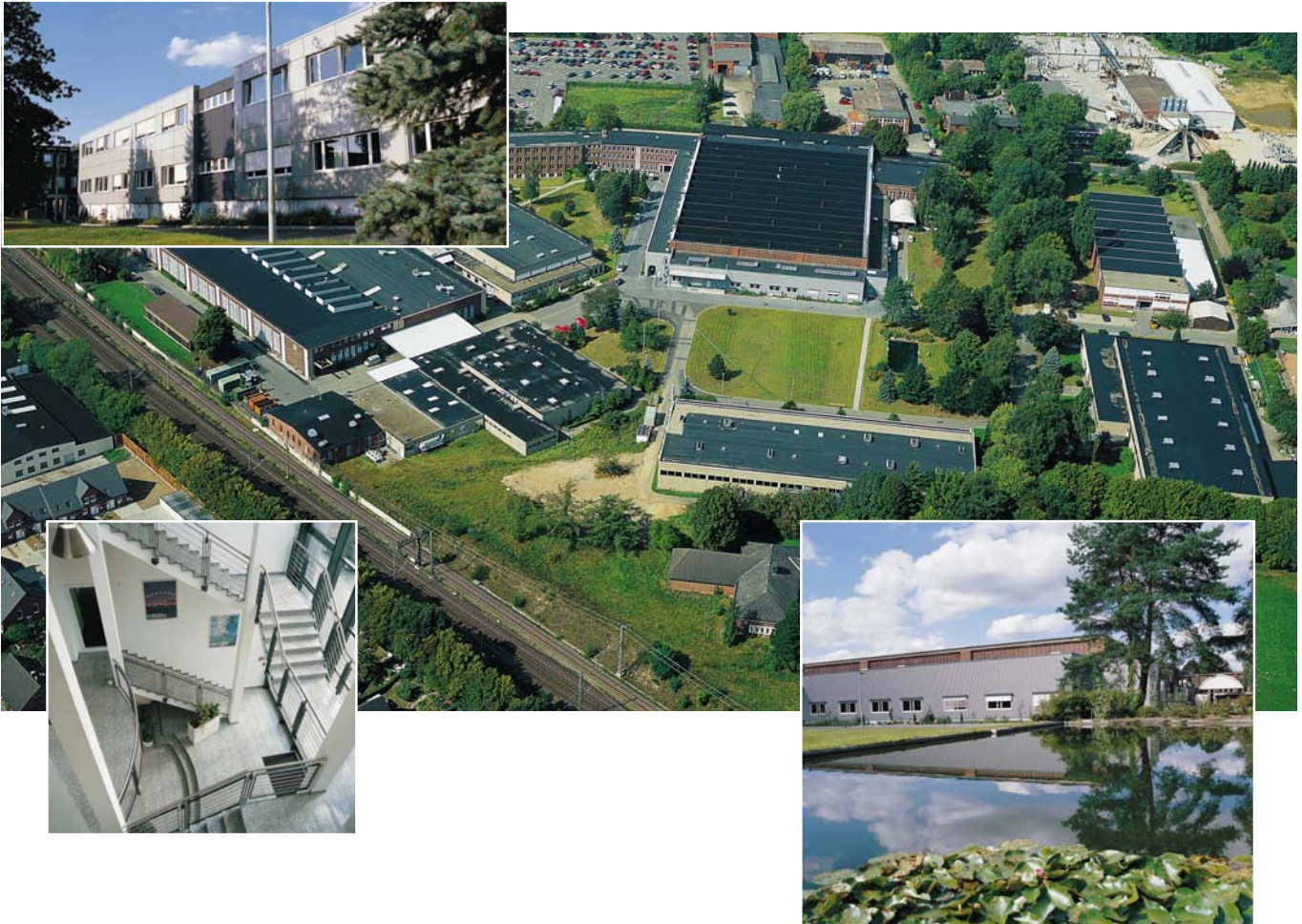
Study the convincing data on the performance of the machines outlined in this brochure. Compare the available options with your production needs. These options are already available and in wide use throughout the industry. **Our focus is to work together with you on developing solutions for tomorrow and for the future.**

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# FETTE's factory in Schwarzenbek

After specializing in the development and manufacture of milling tools ever since 1908, FETTE took the decision to start developing tableting machines in 1948. It moved its whole operation to the town of Schwarzenbek near Hamburg in 1953. It is from there that it serves and supplies its customers everywhere in the world through a network of subsidiaries and more than 50 agents. The company's Tableting Machine Division was reorganized in 2001 and now communicates under the name FETTE COMPACTING.

The wide availability of modern communication techniques and sophisticated procedures like teleservice and remote maintenance nowadays make geographical location much less important for internationally active companies like FETTE.

But geographical location is important in another respect. Over the 50 years that we have been developing, designing and manufacturing tableting machines, a highly qualified and dedicated group of specialists possessing unique knowhow has settled in the region around our central location. A similar concentration of experienced, forward-looking engineers, technicians, skilled craftsmen and qualified office staff would be difficult to find anywhere else in the world.

Our employees identify themselves with FETTE and share the same objectives with the company. This forms a sound basis for genuinely innovative developments. Tableting machines from FETTE will continue to represent the latest stage of technical development in the years to come.














### P 1200 tablet press

Single rotary press · extremely versatile · highly economical for production of small batches · space-saving · galenic software option

Tablet output per hour	max.	230.400 up to diam. mm 11
Tablet diameter mm	max.	25
Tablet thickness mm	max.	8,5

#### Components · Peripheral Systems

 Single-layer	 Interchangeable turret	 Handling arm
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating
 Vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center drum filling system
 GRATEX deduster	 HAMO washing center	















### 2090i tablet press

Single rotary press · highly versatile · easy to integrate

Tablet output per hour	max.	324.300 up to diam. mm 11
Tablet diameter mm	max.	34
Tablet thickness mm	max.	8,5

#### Components · Peripheral Systems

 Single-layer	 Interchangeable turret	 Handling System	 Handling arm
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating	 GRATEX deduster
 Vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center Drum filling system	 HAMO washing center














### 2200i tablet press

Single rotary press · highly versatile · easy to integrate

Tablet output per hour	max.	324.300 up to diam. mm 11
Tablet diameter mm	max.	34
Tablet thickness mm	max.	8,5

#### Components · Peripheral Systems

 Single-layer	 Interchangeable turret	 Handling System	 Handling arm
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating	 GRATEX deduster
 Vertical-deduster	 Tablet monitoring WEIGHTMASTER		 HAMO washing center

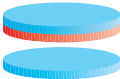












### 3090i tablet press

Double rotary press · single-/double layer · highly versatile

Tablet output per hour	max.	1.004.880 up to diam. mm 11
Tablet diameter mm	max.	34
Tablet thickness mm	max.	8,5

#### Components · Peripheral Systems

 Double-layer Single-layer	 Interchangeable turret	 Handling System	
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating	 GRATEX deduster
 Vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center Drum filling system	 HAMO washing center

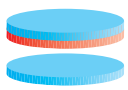











**3200i tablet press**

Double rotary press · single-/double-layer · highly versatile

Tablet output per hour max. 1.004.880 up to diam. mm 11  
 Tablet diameter mm max. 34  
 Tablet thickness mm max. 8,5

**Components · Peripheral Systems**

 Double-layer Single-layer	 Interchangeable turret	 Handling System	
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating	 GRATEX deduster
 Vertical-deduster	 Tablet monitoring WEIGHTMASTER		 HAMO washing center

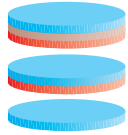











**4090i tablet press**

Triple rotary press · highly versatile · top performance

Tablet output per hour max. 1.493.280 up to diam. mm 11  
 Tablet diameter mm max. 34  
 Tablet thickness mm max. 8 (up to 11)

**Components · Peripheral Systems**

 One/two or three layers or two layers plus core	 Interchangeable turret		
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating	 GRATEX deduster
 Vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center Drum filling system	 HAMO washing center














**1090i WiP tablet press**

Single rotary press · reliable washing system · compact and space-saving

Tablet output per hour	max.	230.400 up to diam. mm 11
Tablet diameter mm	max.	25
Tablet thickness mm	max.	8,5

**Components · Peripheral Systems**

 Single-layer	 Interchangeable turret	 Handling arm
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating
 WIP Vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center Drum filling system
 GRATEX deduster	 WIP-CENTER washing system	








**2090i WiP tablet press**

Single rotary press · reliable washing system · easy to integrate

Tablet output per hour	max.	324.300 up to diam. mm 11
Tablet diameter mm	max.	34
Tablet thickness mm	max.	8,5

**Components · Peripheral Systems**

 Single-layer	 Interchangeable turret	 Handling System
 Control panel	 Data processing operat. data info. syst.	 PreßkammerPKB3 compression chamber
 WIP Vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center Drum filling system
 GRATEX deduster	 WIP-CENTER washing system	

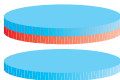












### 3090i WiP tablet press

Double rotary press · reliable washing system  
top performance

Tablet output per hour max. 1.004.880 up to diam. mm 11  
Tablet diameter mm max. 34  
Tablet thickness mm max. 8,5

#### Components · Peripheral Systems

 Double-layer Single-layer	 Interchangeable turret	 Handling System	
 Control panel	 Data processing operat. data info. syst.	 PKB3 compression chamber coating	 GRATEX deduster
 WiP vertical-deduster	 Tablet monitoring CHECKMASTER	 Loading Center drum filling system	 WiP-CENTER washing system

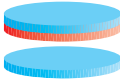






### 3090i H2 tablet press

Double rotary press · specially abrasive granules (bat-  
tery cores) top productivity

Tablet output per hour max. 460.000 up to diam. mm 11  
Tablet diameter mm max. 40  
Tablet thickness mm max. 30

#### Components · Peripheral Systems

 Double-layer Single-layer	 Interchangeable turret	 Handling System	
 Control panel	 Data processing operat. data info. syst.		

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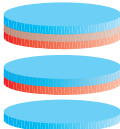





**PT 4090 SH tablet press**

Triple rotary press · large formats · top productivity

Tablet output per hour	max.	522.000 up to diam. mm 34
Tablet diameter mm	max.	59
Tablet thickness mm	max.	30

**Components · Peripheral Systems**

	One/two or three layers or two layers plus core		Interchangeable turret
	Control panel		Data processing operat. data info. syst.




**MP 120/250/500 metal powder presses**

A new generation of innovative presses · specially designed for pressing carbide powders · high-precision working · processed blanks require no further finishing

Compressive forces kN	max.	120	250	500
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**Components · Peripheral Systems**

	Sophisticated control system		Handling System

## Interchangeable rotors, handling systems and accessories available with FETTE tableting machines

FETTE's practice of working closely together with the users and its consequent intimate knowledge of production processes are a key factor.

It has enabled FETTE to spearhead a number of developments that have been crucial for the achievement of the high standards now applying in modern, global tablet manufacture. These developments are notable for two reasons:

- strict adherence to GMP principles and regular ability to pass validation tests
- constant increases in productivity from automation and ease of integration into production lines.

FETTE's introduction of interchangeable turrets more than ten years ago was a milestone in the quest for increased productivity when changing products.

The incorporation of washing systems in all types of presses was another big leap forward, especially when toxic substances and products creating severe dust problems are involved.

By working closely together with highly competent suppliers, FETTE is able to supply all the necessary accessories direct - in the machines themselves, in the immediate tableting environment and in the preliminary and finishing processes. All manufactured to extremely high standards of precision and reliability.



### Interchangeable turrets

Interchangeable turrets increase the profitability of tableting machines. They help to slash downtime and make better use of accessories and of the subsequent elements in the production chain. This yields higher production continuity.



### Handling systems, removal arms

Specially designed handling systems and integrated removal arms facilitate quick, reliable turret exchanges. The practical design and simplicity of use of these systems enable drastic cuts in changeover times.



### Control panel

The control panel makes the tableting machine safe and simple to operate. It has a touch screen monitor on which production data can be entered or amended. An integrated printer creates production reports.



### PKB 3 compression chamber spray-coating system

This system sprays an accurately metered dose of stearate inside the compression chamber to prevent adhesion of product to punches when working with adhesive granules or producing tablets with delicate surfaces.



### GRATEX dedusting system

The GRATEX system removes burrs effectively and reliably. The tablets are channeled through a screening drum that removes burrs without damaging the tablets.



### Vertical deduster/WiP

Effective dedusting during tableting is an important GMP requirement. The system not only removes dust but also moves tablets vertically. The WiP system can be fitted to all WiP presses and washes itself simultaneously with the machine.

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### CHECKMASTER 4.1 tablet monitoring

Automated in-process control is a must in batch manufacturing of tablets. The CHECKMASTER takes samples without interrupting production, tests for weight, hardness and thickness and produces a report listing the results.



### WEIGHTMASTER 4.1 tablet weigher

The WEIGHTMASTER performs automatic in-process control of tablet weight. This is an economical alternative in cases where there is no need to check the other parameters.



### LOADING CENTER drum filling system

The LOADING CENTER has 6 hoppers for production runs involving large batches and provides optimal capacity for FETTE's high-performance tableting machines. An integrated weighing system controls the filling.



### HAMO washing center

The HAMO washing machine ensures thorough cleaning of the dismantled machine parts prior to a product change. A specially designed pattern of jets sprays down the parts to remove all residues. The parts are then fully dried by a heating system.



### WiP CENTER washing system

This system is directly connected to the WiP machines and has various wash programs as well as delivering the water for the whole washing and rinsing process and hot air for the drying process.



### Tableting tools

Tableting tools and machines from a single source. This means that everything is compatible and forms the ideal basis for uninterrupted, trouble-free production runs. FETTE has more than 50 years of experience to prove this.



### Turret handling trolley

Each turret handling trolley is specially designed for a specific machine type and turret size. It picks up, transports and sets down the turret (in some cases automatically) and makes it easier to work on the turrets.



### Parts butler

Our parts butlers are carefully designed to store those parts which have to be removed from the individual types of machine for cleaning. By enabling operators to keep all the parts under review at all times, they help to eliminate errors during handling.

# Global representation

## PARENT COMPANY:

FETTE GMBH

## SUBSIDIARY COMPANIES:

FETTE ASIA PACIFIC  
FETTE AMERICA USA  
FETTE LATINAMERICA

## AGENCIES:

ALGERIA  
ARGENTINA  
AUSTRALIA  
AUSTRIA  
BELGIUM  
BRAZIL  
BULGARIA  
CHILE  
CIS  
COLUMBIA  
CROATIA  
CZECH REPUBLIC  
DENMARK  
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NEW ZEALAND  
NORWAY  
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ROMANIA  
SLOVAK REPUBLIC  
SLOVENIA  
SOUTH AFRICA  
SPAIN  
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SWITZERLAND  
TAIWAN  
THE NETHERLANDS  
TURKEY  
VENEZUELA



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