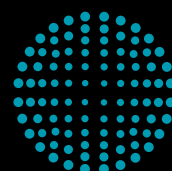




Give your tablet press a second life
**General Refurbishment –
Factory Rebuild Center**



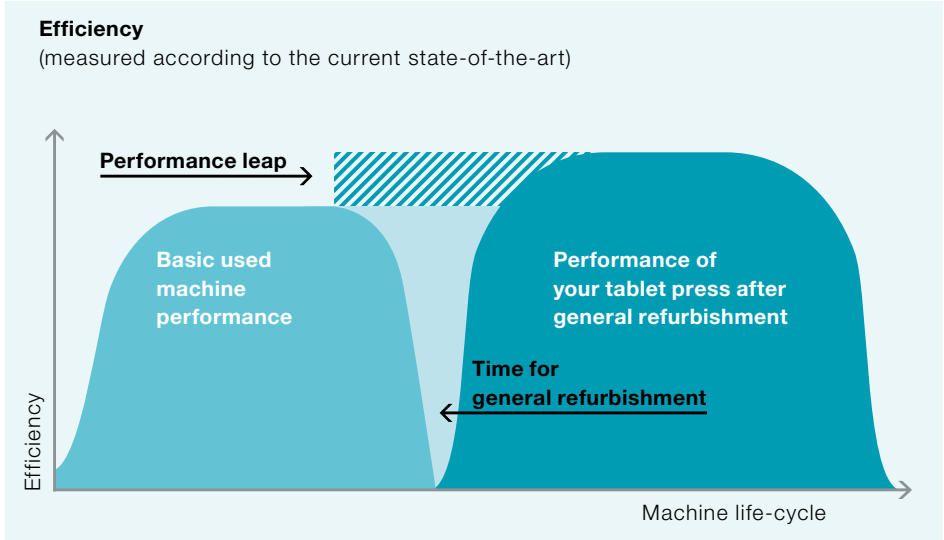
**FETTE
COMPACTING**
be efficient

Complete refurbishment by Fette Compacting – extend the life-cycle of your tablet press

If the long years of hard work that your tablet press has behind it are slowly starting to show, then a general refurbishment by Fette Compacting is the right decision! The service offered by our Factory Rebuild Center guarantees you high performance in return for low investment, far beyond the life-cycles common in the industry. It also provides you with the long-term benefits of Fette Compactings OEM quality behind every part of the machine. We refurbish your production machines according to the standard set by the latest generation of machines, and thereby you extract the maximum possible benefit from your investment.

We also have tablet presses that have had a general refurbishment available for sale, either for special applications or as an economical alternative. Fette Compacting occasionally takes previous generation machines as trade-ins towards new machines, and our engineers fit them with the latest technology. These tablet presses can then be customized for their particular application. New process equipment and a comprehensive supply of spare parts from Fette Compacting, completes the range perfectly.

The general refurbishment enables a leap forward in the life-cycle of your tablet press.



ADVANTAGES
+ Low investment costs
+ Shortening the spare parts replenishment time
+ Installation of the latest technology
+ Extended useful life
+ Short down-times
+ Customer-specific refurbishment
+ Conform to GMP, GAMP and FDA

General refurbishment – Your options at a glance



PROCESS DURATION						
Machine types	102i	1200i	2200i	2090i	3200i	3090i
Duration in months*	3.5	3.5	4–5	4–5	5	5

* Duration of the process from receipt of order to shipping

STANDARD OFFER*	
Switch Cabinet	Compact and straightforward construction, lower internal temperature
HMI-Terminal	User-friendly terminal with the latest Visual software
Torque drive	Direct electrical drive with integrated cooling and up to 50% less current consumption, maintenance-free
CAN adjusting drive	Minimal wiring requirement (bus control)
Main switch board	Significantly reduced space demand in the drive compartment
Machine electronics	Includes replacement of all machine cables
FOM drive	Direct drive
Dosing stations	Minimal wiring requirement, compact construction

* A standard overhaul includes the replacement of all electronic components, overhauling of all reusable mechanical components, assignment of a new serial number and the preparation of new documentation.

ADDITIONAL OPTION*	
Machine shrouding	The additional machine covers option includes the replacement of the window flaps, side shrouds, cam shrouding covers and the cover plate, as well as the sheet covering of the center part and headpiece. With this exterior upgrade, it is hard to tell the overhauled machine from a new one.

* Optional with any general refurbishment



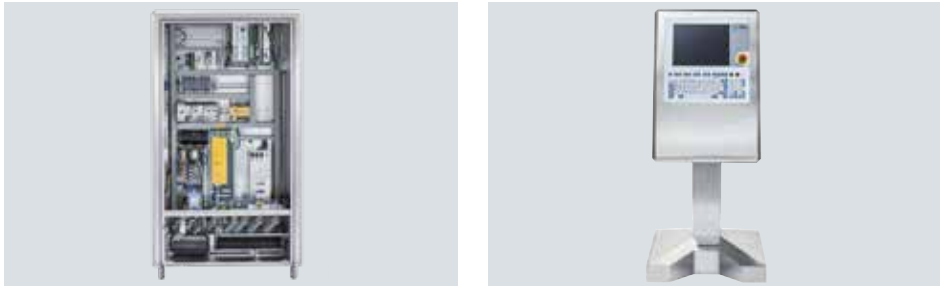
A general overview of service brochures can be seen at: <https://www.fette-compacting.com/en/downloads>

In addition, whenever you have your machine refurbished you can decide to include all the options and process equipment of a new machine. You will find further information related to customer support in the following brochures:

1. Efficiency in the production of solids
2. Modernization – Performance leaps for existing investments
3. Global Customer Support

Completely renewed:
Standard elements of
a general reconditioning
from Fette Compacting

Switch cabinet and HMI terminal
before

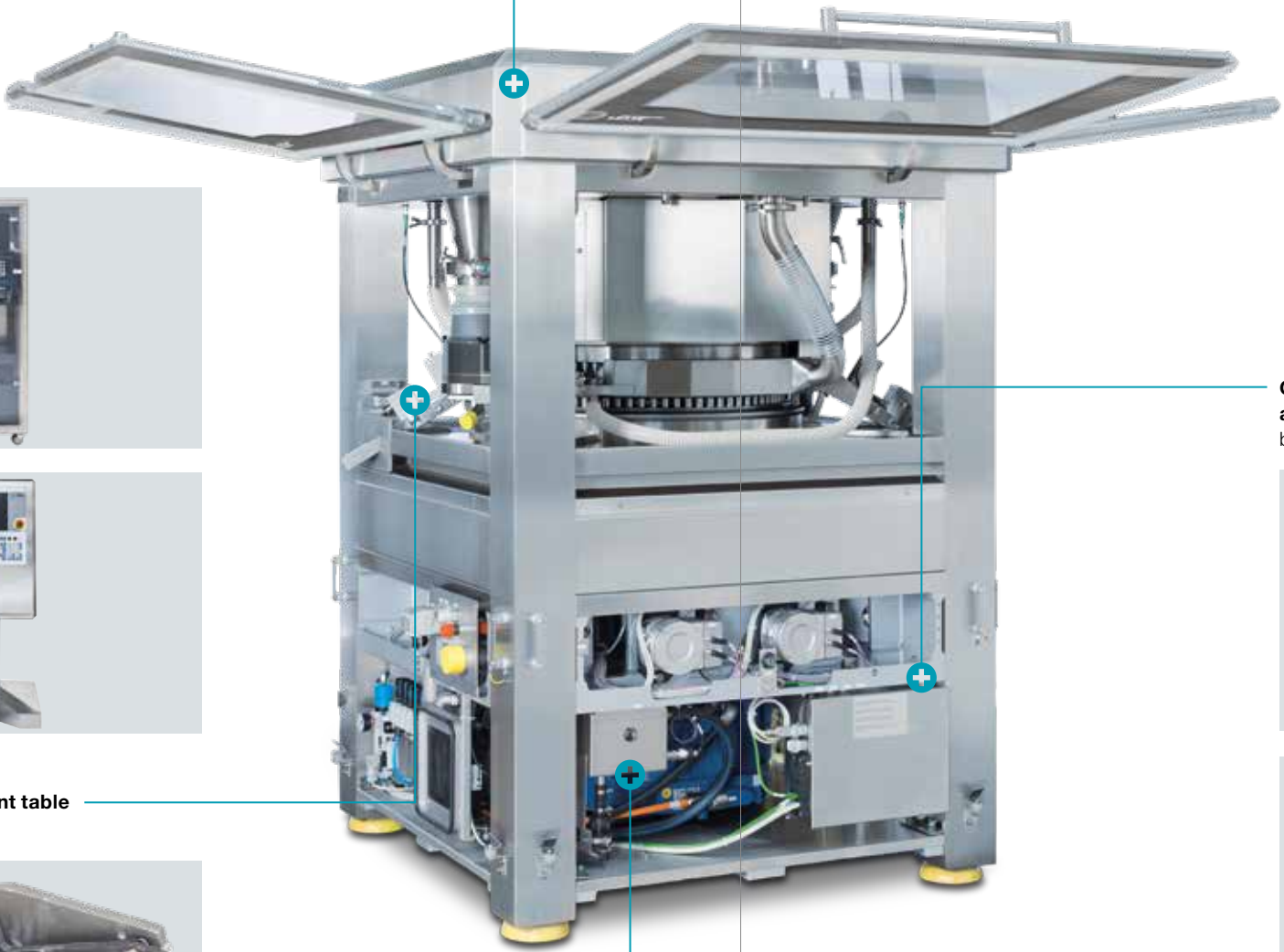


after

Fill-O-Matic three-point table
before



after



Machine electronics (headpiece)
before



after

CAN adjusting drive
and main switch board
before



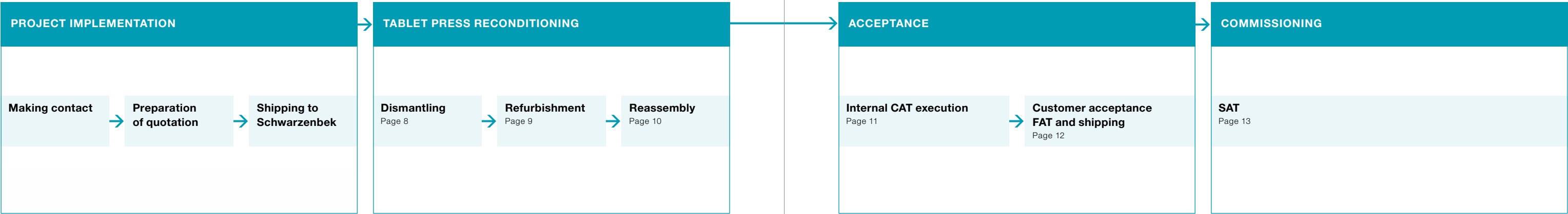
after

Main drive
before



after

Nine steps to a new,
completely reconditioned
tablet press:
The modernization of
your existing machine



Used machine

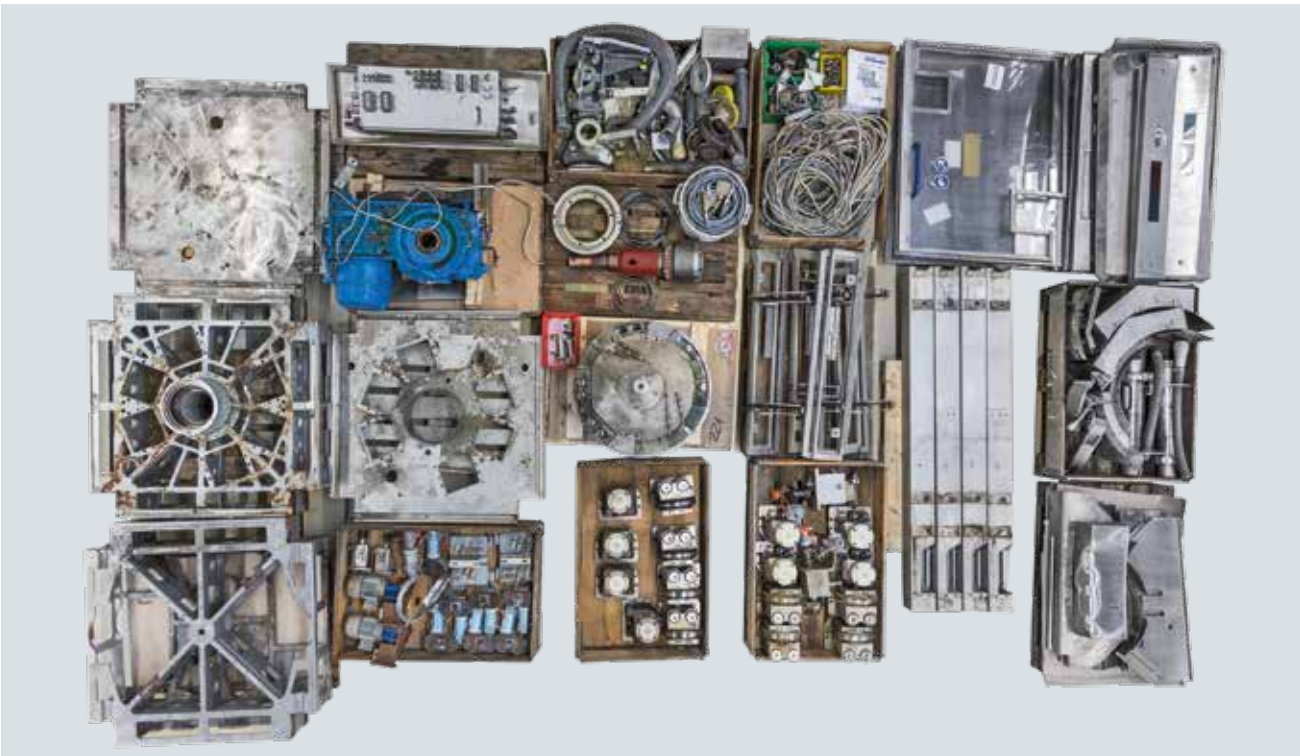
Your machine's down-time:
10–12 weeks

Depending on available inventory at the time of the request, it may be possible for Fette Compacting to provide a temporary machine for use while your tablet press is being refurbished.



Refurbished tablet press

The general refurbishment



After your machine arrives in Schwarzenbek, all the electronic and mechanical components are fully dismantled, in order to be able to identify all damaged and worn-out components. After dismantling, any components that cannot be reused are disposed of in an environmentally responsible manner.

Every component on the machine is thoroughly examined in order to determine exactly which ones need to be replaced to ensure the machine will comply with your specified requirements.

Only with the additional machine covers option



Product residue is removed from all the reusable mechanical components during the overhaul, first using a high-pressure cleaner and then finished manually. We then mechanically polish all the stainless steel components in a further cleaning process in order to ensure their surfaces are smooth.



Every electronic component and any non-reusable mechanical components are replaced by new OEM¹ components as standard. We also replace all of the standard product contact components.

¹ Original Equipment Manufacturer



If the additional machine shrouding option has been chosen, we also varnish the frame and cover the center and headpiece with a new stainless steel sheathing.

The general refurbishment



Reassembly starts with fitting together all the mechanical components. The new electronic components are installed once these have been assembled.

All the electronics are brought up to the latest versions used in our new machine series.

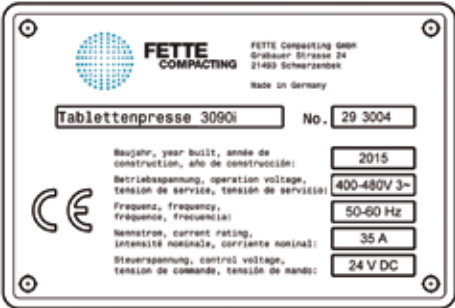
After reassembly of the machine, all the drives, sensors and measuring stations are connected to the main terminal box and the switch cabinet, and the HMI terminal is connected to the machine. The technicians install the die or segmented turret as the final step of our assembly before starting adjustments and calibrations.



As soon as the reassembly of your machine has been completed, we start an internal test procedure, known as the CAT¹.

¹Customer Acceptance Test

Because the latest electronic components have been installed on your machine during the refurbishment, they must be re-verified for accuracy and functionality.



This is the reason why your machine is given a new serial number, new machine documentation, and the EC Declaration of Conformity² as a basis for the CE marking³.

² (European Community) Declaration of Conformity: Confirmation by the manufacturer of the conformity of the product that is being placed on the market with the fundamental health and safety requirements of all relevant European directives

³ CE – (Communauté européenne = European Community) marking: Declaration of the manufacturer, in accordance with EU regulation 765/2008, that the product satisfies the applicable requirements of the Community specified in the harmonizing legislation

The general refurbishment



After the internal testing has been completed, we invite you to your machine's FAT¹. The machine is tested for the completeness of all the generally refurbished elements. The testing is based on the specifications in the assembly protocol. The machine is also put through a functional check, at which time we make sure that the documented test results can also be reproduced at the production site.

¹ Factory Acceptance Test – checking of the equipment's functionality at the manufacturer's site



After the FAT, your machine will be packed ready for shipment and delivered to you by a carrier.



Commissioning at the site of installation follows after your machine has arrived. A check for completeness is carried out before the commissioning itself. As soon as this has been completed, the machine is calibrated again, and tested with tableting tools, but without product.

The last test process, the SAT¹, is carried out while your renovated machine is being installed. At this stage we check both the completeness of your machine and the completeness of the documentation. This is followed by a test run, with product, under real production conditions, before your validated machine can again smoothly take up its place in the production process.

¹ Site Acceptance Test – acceptance of plant at the place of installation at the customer's site

Your machine in good hands: Fette Compacting's Factory Rebuild Center

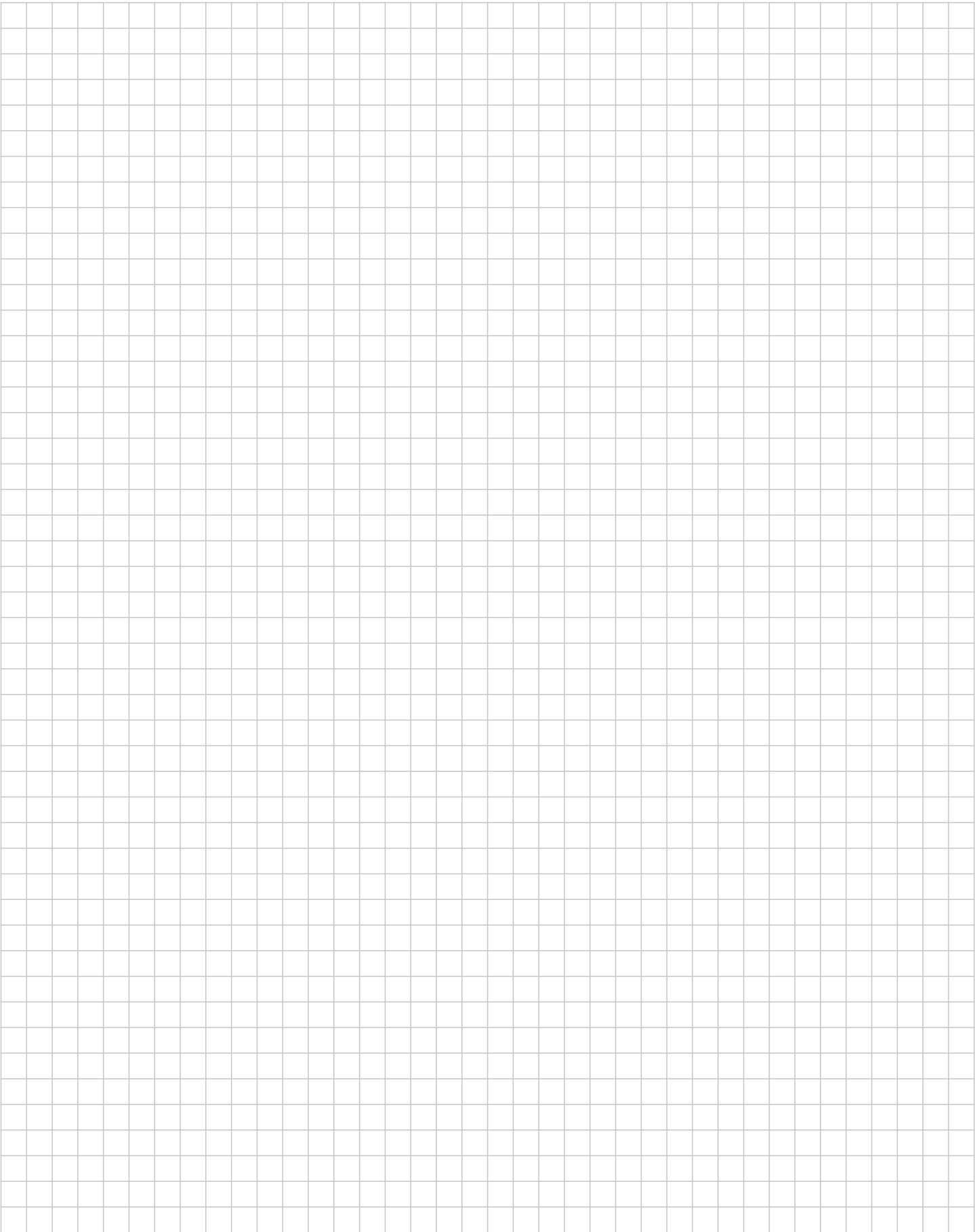
Factory Rebuild Center – the competence center for general refurbishments, repairs and pre-owned machines

Fette Compacting's Factory Rebuild Center has operated as an independent department at the Schwarzenbek site since 2008. It offers all the services for the refurbishment of your tablet presses described in this brochure. We will also buy back your existing machines from current or previous generations. These tablet presses are given a complete reconditioning by our technicians, who apply their specialized know-how to bring them up to the latest version of the new machine series, after which they are put up for sale.

Together with the sales office, we can also coordinate bringing your press to Fette Compacting to execute any mechanical and electrical repairs that cannot be conducted at your facility. The Factory Rebuild Center is also able to serve you in an advisory capacity. We can offer suggestions as to how you can achieve optimal efficiency by including process equipment or by modernizing your machine.

Special facilities

- + Customer acceptance room for
 - + basic and product trials
 - + machine approvals
 - + technical discussions



Fette Compacting GmbH

Grabauer Strasse 24
21493 Schwarzenbek, Germany
Phone +49 4151 12-0
Fax +49 4151 3797
tablet@fette-compacting.com

Fette Compacting America, Inc.

400 Forge Way
Rockaway N.J. 07866, USA
Phone +1 973 5868722
Fax +1 973 5860450
sales@fetteamerica.com

Fette Compacting America Latina Ltda.

Av. Cambacica, 1200 módulo 10
Parque Imperador
CEP 13097-160
Campinas / SP, Brazil
Phone / Fax +55 19 37969910
contato@fette-compacting.com.br

Fette Compacting Mexico, SA de CV

Adolfo Prieto No. 1638
Colonia Del Valle Sur
03100 Mexico, DF, Mexico
Phone +52 55 40000653
tablet@fette-compacting.com

Fette Compacting (China) Co., Ltd.

No. 9 Shengtong Road,
Moling Sub-District,
Jiangning Development Zone,
211111 Nanjing
Jiangsu Province, P.R.C., China
Phone +86 25 52121818
Fax +86 25 52129951
fcn@fette-compacting.com

Fette Compacting Machinery India Private Limited

A - 406 /407, 4th floor, Atrium 215,
Next to Hotel Courtyard Marriott,
Near J. B. Nagar Metro station,
Andheri – Kurla Road, J. B. Nagar,
Andheri (East)
400 093 Mumbai, India
Phone +91 83 26750355
sales.in@fette-compacting.com

Competence Centre
Plot No S 115, Phase III B
Verna Industrial Estate
Verna, Goa 403 722, India
Phone +91 83 26750355

Fette Compacting Asia Pacific Pte Ltd.

107 Eunos Avenue 3, #01-01
Singapore 409837, Singapore
Phone +65 659 25654
Fax +65 654 71939
infoasiapacific@fette-compacting.com

Fette Compacting Ibérica SL

Avenida Labradores, 1
2ª Planta, Oficina 3
28760 Tres Cantos, Spain
Phone +34 91 8039689
Fax +34 91 3483052
fcib@fette-compacting.com

Fette Compacting France

1, Rue du Centre
93160 Noisy Le Grand, France
Phone +33 155 812121
Fax +33 155 812120
fcf@fette-compacting.com

Fette Compacting Belgium BVBA

Schaliënhoeverdreef 1b
2800 Mechelen, Belgium
Phone +32 15 684260
Fax +32 15 684269
fcbe@fette-compacting.com

EuroPharma Machinery Ltd

Unit 12 Highview
Bordon, Hampshire, GU35 0AX
United Kingdom
Phone +44 1420 473344
Fax +44 1420 488030
admin@europharma.co.uk

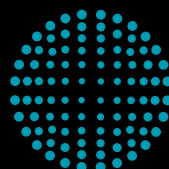
Fette Compacting Middle East FZE

Jebel Ali Free Zone, Jafza
Lobby 14, Office 308, Dubai
United Arab Emirates
Phone +971 4 8808226
dubai@fette-compacting.com

Fette Compacting North-West Africa

Tour d'Affaire Nord, Centre Commercial
Bab Ezzouar – Regus 4ème Etg.
16000 Algiers, Algeria
Phone +213 770 117 007
fcnwa@fette-compacting.com

www.fette-compacting.com



**FETTE
COMPACTING**
be efficient