

100 percent filling weight control for the FEC series

NMC Sensor

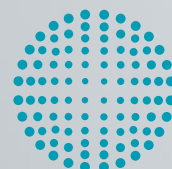
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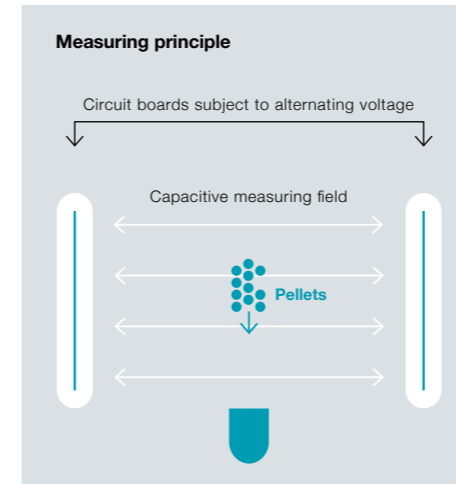


The next generation of filling weight control: contactless 100 percent measurement for pellet filling

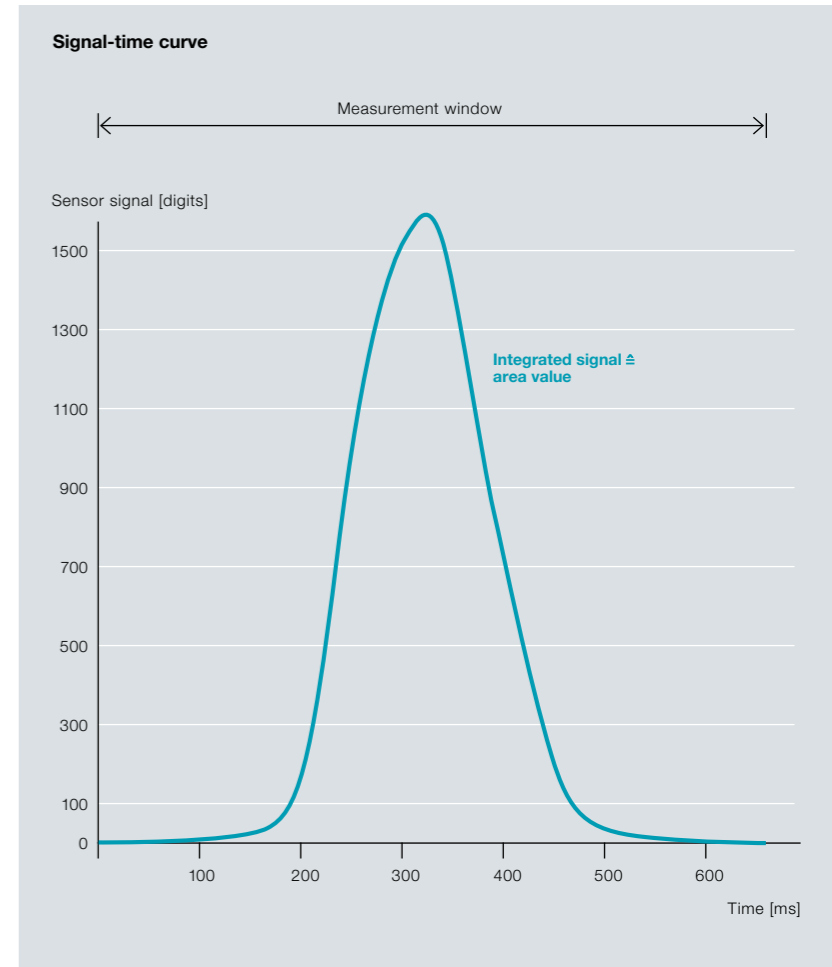
Absolute precision is critical for capsule filling with high-performance machines: Each capsule must contain the identical quantity of product. This calls for a method of measurement that works at high cycle rates without loss of performance.

The NMC Sensor (Net Mass Control) meets this demand. It is based on a contactless, capacitive measuring technique in which an electric field captures the metered quantity during the dosing. The sensor continues to deliver 100 percent results where gravimetric scales come up against their limits. When multiple pellet stations are in use, the dosing of each pellet type can be individually controlled.

The NMC sensor has been specially developed in the FEC series for the yield and for the speed of up to 140 cycles per minute, and is fully integrated into the machine. The settling time needed by scales is also absent. The robust construction, through which the sensor is insusceptible to process variations is a further advantage.



The technology is based on a contactless capacitive measuring principle: pellets are moved through an electric measuring field. The sensor records the change of the field over time.



A signal-time curve results from the measurement. The integral of the area under this curve can be used to determine the exact metered quantity.



TECHNOLOGY stands for everything we offer in production technology – from tablet presses and capsule filling machines through Process Equipment to tableting tools and format parts.

SERVICE covers all the services related to machines, Process Equipment and installations such as spare parts supply, plant modernization and technical field service department.

COMPETENCE is the overarching idea behind all our process-related services. This includes training, product trials, application and Performance Consulting as well as engineering.

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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**

401 to 404, 4th Floor,
Dynasty Business Park, B wing,
Opp. Big Cinemas Sangam,
Near J. B. nagar Metro station,
Andheri – Kurla Road, J. B. nagar
Andheri East
400 059 Mumbai, India
Phone +91 22 42163300
sales@fette-compacting.com

Competence Centre
Plot No S 115, Phase III B
Verna Industrial Estate
Verna, Goa 403 722, India
Phone +91 22 42163355

**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 et

Uhlmann France
1, Rue du Centre
93160 Noisy Le Grand, France
Phone +33 155 812121
Fax +33 155 812120
contact@fette-uhlmann.fr

Fette Compacting Belgium BVBA

Schaliënhoevedreef 1b
2800 Mechelen, Belgium
Mobile +32 475 893870
fcbe@fette-compacting.com

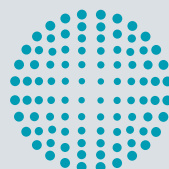
Euro-Pharma Machinery Limited

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

www.fette-compacting.com



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