

# Product line

Technologies for Professional Quality Assessment





Each instrument is thoroughly checked in our testing area.

## Pfeuffer - Technologies for Professional Quality Assessment

In over 75 years, our company has established itself as a global market leader in the business of measuring and sampling equipment for grains and seeds. Tradition and innovation, quality made in Germany, a passion for sustainability and flexible services with a dedicated customer focus are the main pillars supporting the dynamic growth of Pfeuffer GmbH - yesterday, today and tomorrow.

We are a medium-sized family business with highly qualified and committed employees. Short links, focused action and an inspiring working environment are driving the efficient collaboration with our customers and partners.

# PFEUFFER



## Cornerstones of our company history:

- 1947, foundation by mill design engineer Franz Pfeuffer
- 1981, relocation to Kitzingen (near Würzburg, Bavaria)
- 2006, acquisition of Denmark's Rationel Kornservice A/S
- 2015, expansion of development, manufacturing, storage and administration facilities



# Global Focus in the Heart of Europe

Since relocating the company to Kitzingen in 1981, we have built Pfeuffer GmbH into a globally focused development, manufacturing and sales organization. In 2014, the export share of the business rose to a record high of more than 60 percent.

In 2015, we embarked on an ambitious investment program to modernize and expand our engineering, manufacturing and logistics capacities, including two photovoltaic plants for sustainable self-sufficient power supply.



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Precision is important to us down to the smallest detail.

Each sample cleaner is tested and must meet strict quality criteria before shipment.

## Industry-leading Performance and Expertise

At Pfeuffer, maximum quality and reliability are the basis of our customers' confidence and guide our activities throughout product development, manufacturing and services.

- **Quality:** Our quality management has been certified to DIN EN ISO 9001 since 2001. In addition, since 2003, our sampling and measuring technology also meets the strict explosion protection requirements of the European ATEX standard (RL 2014/34/EU).
- **Environmental responsibility & sustainability:** We are committed to environmental protection, to the sustainable use of natural resources and to strict adherence to the highest environmental standards, including waste prevention and recycling. Contributing to the sustainable procurement of our resources, two photovoltaic plants at our Kitzingen site supply about 50 percent of our mean annual power needs.
- **Vertical manufacturing integration:** Based on state-of-the-art in-house facilities for product development, manufacturing and assembly, we offer a diversified portfolio of humidity and temperature measuring devices, laboratory equipment, and systems for sampling, sample division and sample preparation. A sophisticated ERP system ensures swift order processing and short delivery times.
- **Services:** The encompassing approach of our corporate philosophy also includes a complete set of customer-focused services for installation, maintenance and repair. This is backed by years of experience and solid, in-depth market knowledge. Today, Pfeuffer GmbH is a competent full-service provider with a reputation for shortest response times and on-time order processing.



PFEUFFER

M18

Maxiflex  
300

# Granolyser

NIR analyzer for grain, oil seeds and legumes

Determines all of the parameters for your sample quickly and accurately

- Large sample volume of 600 ml
- NIR (near infrared) diode array technology
- 1500 individual scans per sample
- Corresponds to the current Standard Weights and Measures Law in Germany
- Touch screen display and built-in printer



## Function

Pour the sample (600 ml) into the Granolyser. The start and settings for the measurement are carried out on the touch screen. The transport wheel ensures that the density is consistent during the measurement. The sample is continuously moved past the detector, and the reflection of the sample in the NIR range is measured. The built-in spectrometer scans within the range of 950 to 1540 nm (NIR). The spectrums recorded by the detector are processed by the evaluation electronics. The analysis parameters are optically determined in less than one minute. Different parameters are determined depending on the selected product: Moisture, protein, sedi, gluten, oil content and starch. The measurement result is displayed and can be printed out.



PC (e.g. with MS Excel®), all measurement data can also be exported onto a USB data memory.

*Pfeuffer, DuoLine, HE, Granomat, Granolyser and Rakoraf are registered trademarks of Pfeuffer GmbH.*

## Connectivity

The Granolyser has a network connection and two USB interfaces for a bar code scanner, keyboard or USB data memory. It can store measuring data in the LAN of an MS Access® database using the Granolyser Data Server application. A database connection can be established quickly using an interface. For simple processing using the

## Technical data

Product	Voltage	Output	Dimensions	Weight	Item number
Granolyser	100-240 V, 50/60 Hz	70 VA	370x450x380 mm	23 kg	1180 0002

## Accessories

Accessories	Item number
Beaker 0.5 liters	3112 8605
Rolls of thermal paper (5 pieces)	3262 8601
Bar code scanner	1920 0900
Granolyser Data Server database application for MS Access®	1180 0100

