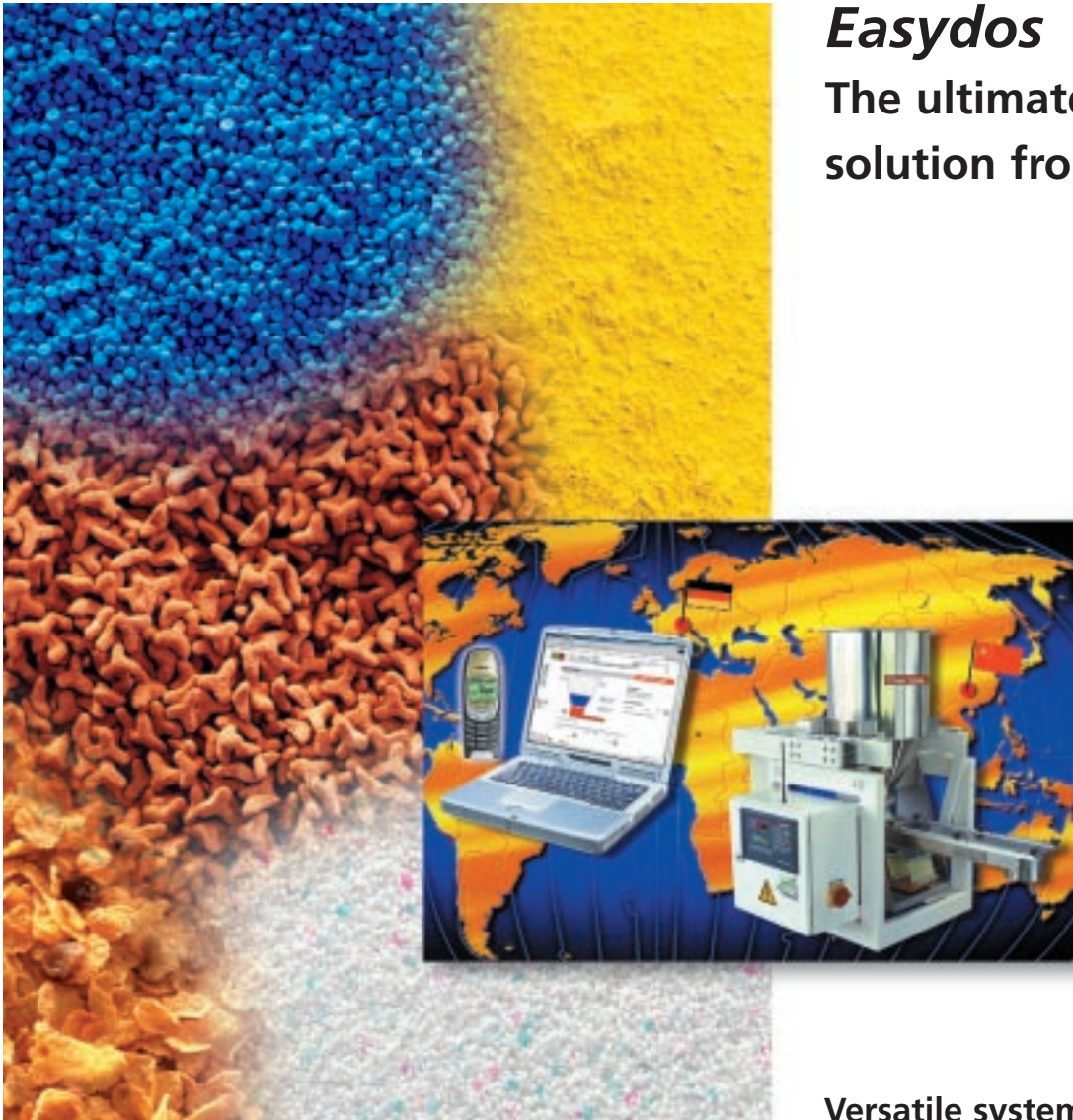


Gericke

Powder Processing Equipment & Systems

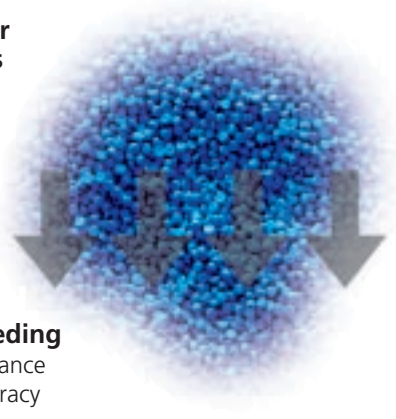
Easydos The ultimate feeding solution from Gericke



**Versatile systems for
gravimetric and batch weighing
feeding applications**

The new bench mark for accuracy, reliability and simple operation

One control concept for all feeding applications



Batch feeding
Close tolerance batch accuracy



Continuous feeding
Consistent and repeatable product flow

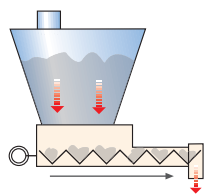


Combination
The Batch is metered as a continuous stream of product

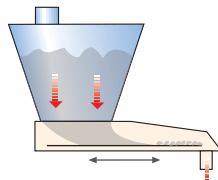
Easydos is a complete solution for many different feeding and weighing applications. Its modular concept and flexibility can be adapted to meet the needs of most plant operators.

Weighing and feeding systems include: feeding tool, electronic weigher and control unit.

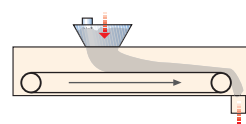
Feeding equipment



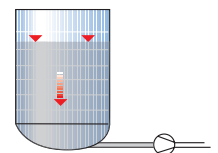
Screw feeder



Vibro feeder

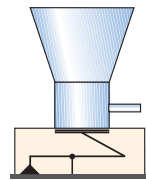


Belt feeder

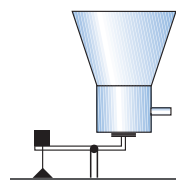


Liquid pump

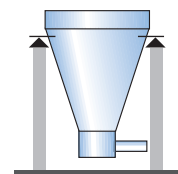
Weighing assembly



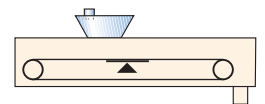
Platform scale
(with or without tare compensation)



Hybrid scale
(with tare compensation)



Suspended scale



Belt weigher

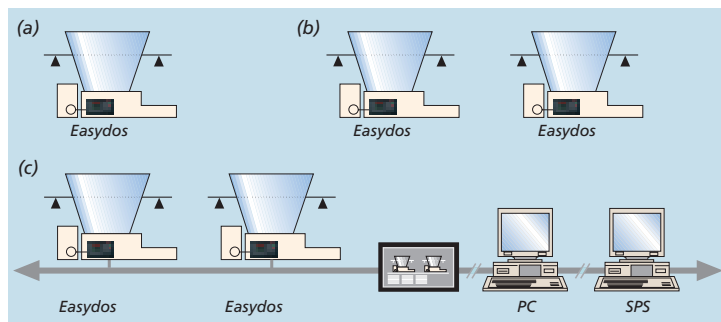
Control

<p>Gear motor drive Frequency inverter Contactors Load cell</p>	<p>Electronic weigh controller, user interface Easydos</p>	<p>Interfaces</p>	<p>System controller: PLC or PC with graphics Easydos.net</p>
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Weigh feeders more efficiently controlled by *Easydos* concept

Success depends on control

The controller is the “heart” of every weigh feeding system. The new **Easydos** is an innovative feeding and weighing system, which can be used for batch applications, continuous gravimetric feeders (loss-in-weight) and belt weighers. Flow meters can also be linked to the controller. Accurate feeding is a fundamental requirement for high quality products, therefore, Gericke have developed the Easydos control concept, which is both, user-friendly and reliable.



Configuration modes:

- (a) Single weigh feeder with *Easydos*
- (b) Several independent weigh feeders
- (c) Network options:
PC or PLC

Plug&Dose: The weigh feeder and controls are supplied as a prewired feeder assembly. Simply plug in and start up.

User-friendly: The menu guide makes the operation easy and simple to use. Self optimising control facilitate easy start up and commissioning.

Communication: *Easydos* can be connected via a bus system into a host control, e.g. PLC or PC solution.



Easydos feeding and weighing solutions are designed for reliable and efficient operation.

In the loss-in-weight mode, *Easydos* uses a unique weighing algorithm, **TrendTec**. TrendTec works with pre-registered feed rate profiles. It allows forecasting and compensation of bulk density variations. This provides an extremely robust system that will withstand most outside influences such as vibration.

Easydos advantages:

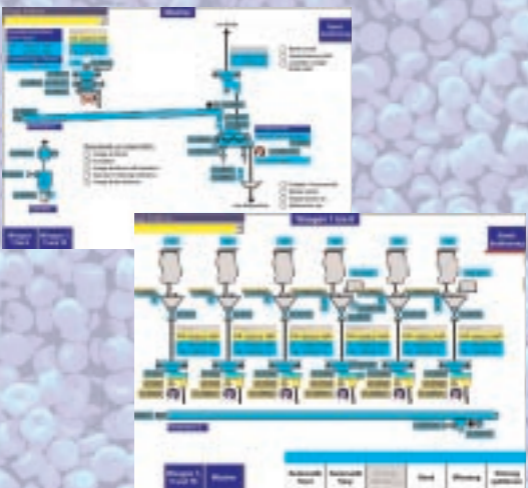
- Very high feeding accuracy
- Extremely robust against vibration and disturbances
- Reduced investment costs
- Reduced start up and commissioning times
- Easy operation
- Self-optimising feeding
- Easy connection with standard bus to PLC or PC

Multi component feeding

Feeders are not always stand-alone units. The **Easydos** concept is designed for integration with supervision and control software on PLC and PC's.



Several feeders can be linked via field bus to a PLC. Gericke supply the complete programming of the PLC and integration of the feeding equipment with conveying, mixing and other equipment, therefore, Gericke can reduce the planning and implementation costs.



Standard interfaces. The following interfaces are available:

- Mod bus
- profibus
- device net

Depending on the requirements, Gericke programme solutions for graphics on all major programming platforms. This includes comprehensive recipe management, event and alarm logging. In order to reduce the commissioning time on site. All software is tested before delivery. The customer has a choice of different packages of service support including remote access by Gericke control engineers.

Easydos.net – reliability and back up



The efficiency of a production plant plays an important role in remaining competitive.

Due to the increasing complexity of control equipment, it is often difficult for an operator, to spend time on the correct maintenance of a production plant.

Easydos.net is a miniaturised embedded web server with Ethernet interface that allows easy access and is at the same time an e-service module which offers remote access for service support.

Features:

- Assistance during commissioning
- Remote diagnostics of hardware and software
- Operator assistance
- Parameter settings
- Plant supervision and event logging with SMS or e-mail
- Improvements to the production process
- Data acquisition for analysis, documentation and statistics

Advantages:

- Remote service reduces maintenance cost
- Highest availability and performance of the production plant
- Optimisation of the plant and of resources
- Fast access to expert knowledge of Gericke engineers
- Improving quality management

The operation and configuration of Easydos.net is accessed via HTML pages. The navigation is via a standard browser. To access a feeder, the respective IP address is entered.

With special PC software, the latest updates of the Easydos weighing software can be easily uploaded to the controller. The lifetime of your investment is therefore extended.

Comprehensive customer service and support.

Gericke test laboratories
Gericke take customer care very seriously. Pilot or industrial testing scale trials can be undertaken in one of Gericke's test labs equipped with a wide range of equipment and backed up by experienced, qualified technicians.



Superior technology is only part of the service we provide to the powder processing industry. Equally important is the emphasis we place on customer satisfaction. Our range of services include feasibility and engineering studies, project management, process and plant design, installation, commissioning, operator training, maintenance and spare parts back up. All available on a world-wide basis.

More information about our products and services are available on our web site **www.gericke.net** Please refer to the more detailed specifications and online trail on our e-service module on **www.easydos.net**.



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Gericke

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