WDW®
WAAGEN- UND DOSIERTECHNIK

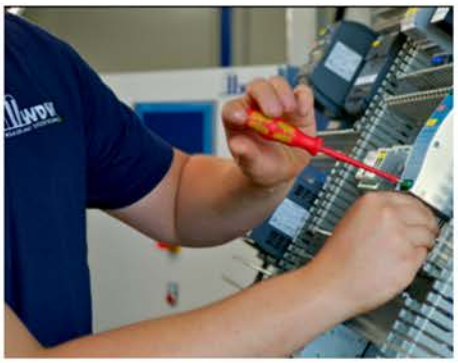






FILLING SYSTEMS

- Big bag filling station ECO
- Big bag filling station PRO
- DUO big bag dosing station with sieving
- Big bag cutter
- Gross bagging system
- Net bagging system







THE WDW AT A GLANCE

WDW Waagen- und Dosiertechnik GmbH has been developing innovative and user-friendly solutions since 1995 in the fields of weighing and dosing technology, sampling and special machine construction.

Product development is increasingly focusing on the automation of manual processes in the animal feed and food industry. With its customizable systems, including high-precision differential weighing systems and fully automatic sample filling systems, WDW provides its customers with significant increases in efficiency.

The WDW team designs, manufactures and installs systems in close cooperation with its customers according to individual requirement profiles. The company also carries out calibration preparations, maintenance and servicing of its own and third-party products as well as repairs.

WDW sells its products and services in Germany and Europe. Through its partner company BDW, WDW components and systems are also used in projects worldwide.

PRODUCTS & SERVICES:

- Scale systems
- Sampling systems
- Filling systems
- Special machine construction
- Control technology
- Planning Production
- assembly
- Commissioning
- Calibration
- Calibration service
- Maintenance service
- Repair service

You can find more information at:
www.wdw-vechta.com

or in person :
Tel.: +49 (0) 4441/917277-0






BIG BAG FILLING STATION ECO

The ECO big bag filling station offers a cost-effective way of filling big bags and bulk containers with raw materials and finished goods. The station is designed so that it can be operated efficiently by one employee.

The compact design also allows it to be used in existing industrial facilities. For additional work safety, the steps are lined with non-slip material, while crossbars at chest height and grab handles ensure safe use.

Details:

Products:	Free-flowing bulk materials
Container type:	Flex. Bulk material container with four holding loops, filling and emptying hose
Container:	Variable, e.g. 900 x 900 mm
Filling weight:	Variable, max. 1200 kg
Accuracy:	According to German calibration regulations
Capacity:	Depending on operation, dosing unit & product feed

Advantages:

- Simple operation by one employee
- Compact design & easy installation
- Calibratable
- Integrated scale evaluation electronics
- Aspiration connection for dust reduction
- Modular design

Options:

- ATEX version
- Suspension of the construction from the ceiling
- Operating level with additional steps
- Version for filling weight 2000 kg
- Available in mild steel (painted) or stainless steel V2A / V4A (pickled or polished)





BIG BAG FILLING STATION PRO

The PRO big bag filling station can be used to fill a variety of different big bags and bulk containers. The station is equipped with a hydraulic lifting mast, which enables different container dimensions to be filled and types. A forklift truck is therefore not required for handling. The compact design and the possibility of docking the big bags also leaves space and clarity in production.

Details:

Products:	Free-flowing bulk materials Flex.
Container type:	Bulk material container with four holding loops,
Container:	Filling and emptying hose
Filling	900 x 900 mm, variable length
weight:	Variable, max. 1200 kg
Accuracy:	In accordance with German calibration regulations
Capacity:	Depending on operation, dosing unit & product feed

Advantages:

- Simple operation by one employee
- High output possible
- Flexibility in container dimensions
- Space-saving design
- Can be calibrated
- Control cabinet with scale evaluation electronics & control elements
- Minimization of dust emissions through docking system

Options:

- ATEX version
- Version for filling weight 2000 kg
- Version in mild steel (painted) or stainless steel V2A / V4A (pickled or polished)







DUO BIG BAG DOSING STATION

The DUO big bag dosing station has an integrated sieve to separate products from abrasion, breakage, dust and contamination. For this purpose, the product is fed from a container, e.g. a big bag, and passed over the vibrating conveyor chute. The product and the screenings are collected separately and the big bag dosing station can be an optional floor weighing system directly into a container or big bag. The degree of sieving can be adjusted as required using different sieve inserts. Depending on the product and the desired degree of sieving, an average sieving capacity of approx. 100 - 200 l / min. can be achieved.

Advantages:

- Increasing the quality of the product
- Increased process reliability
- High throughput capacity with selectable degree of sieving
- Suitable for frequent product changes
- Sieve with quick cleaning function
- Filling into various transfer containers or media possible

Options:

- Can be extended with additional big bag stations
- Integrated check weigher
- Transfer container
- LED lighting
- Available in mild steel (painted) or stainless steel V2A / V4A (pickled or polished)
- Stairway system







BIG-BAG SLICER

The big bag opener consists of a sturdy steel construction and cutting tools and is mounted underneath the big bag suspension for effortless and safer opening of big bags.

In order to ensure a high level of work safety, the big bags are not opened automatically after they have been placed in position; the pneumatic cutting unit is only triggered when the pulse switch is actuated.

Advantages:

- No handling of cutting tools under the load
- Safety operation
- Cutting tools do not fall into the conveyor system
- Big bag cut-out does not fall into the product
- Cover against dirt ingress
- Easily replaceable cutting tools

Options:

- Covered version with aspiration nozzle (therefore hardly any dust emissions and less cleaning effort)
- Available in mild steel (painted) or stainless steel V2A / V4A (pickled or polished)







GROSS BAGGING SYSTEM

The gross bagging system is used for bagging floury and granular bulk goods. Bags with a weight of 6 to 60 kg can be filled and sewn with high weighing accuracy and low dust levels. The output per hour is approx. 80 - 100 bags. For greater work safety and convenience, a mobile conveyor belt is installed underneath the gross bagging system. Bagging integrated. Thanks to the optional mobile frame, the system can be set up flexibly and easily at a different location, making it the ideal solution for a wide range of applications, especially where space is limited.

Advantages:

- Powerful
- Low dust
- Calibratable
- Gross weighing for open-mouth bags
- Filling weight from 6 to 60 kg
- Bag dimensions from 300 to 600 mm width
- Easy cleaning thanks to quick cleaning system

Options:

- Manual sewing machine or stationary sewing machine selectable
- Pre-hopper (volume individually as required)
- Movable with solid frame
- Interface to the control level
- Vibrating chute as dosing device
- Aspiration
- Palletizer
- Calibration
- Feeding by means of transfer container
- Available in mild steel (painted) or stainless steel V2A / V4A (pickled or polished)







NET BAGGING SYSTEM

The net filling system is suitable for bagging multiple and granular bulk goods. Bags with a weight of 6 to 60 kg can be filled and sewn with high weighing accuracy and low dust levels by means of a dosing screw and dosing valve. The output per hour is approx. 120 - 140 bags. The conveyor belt below the bagging unit can be can optionally be selected to be movable for greater flexibility. The steel construction for the fixed integration of the system can be carried out on site or by WDW's specialist personnel. For even more convenience and speed, WDW also offers fully automatic systems.

Advantages:

- Solid and powerful
- Low dust
- Calibratable
- Net weighing for open-mouth bags
- Filling weight from 6 to 60 kg
- Bag dimensions from 300 to 600 mm width
- Easy cleaning thanks to quick cleaning system

Options:

- Manual sewing machine or stationary sewing machine selectable
- Pre-hopper (volume individually as required)
- Fully automatic version (up to 800 bags/hour)
- Interface to the control level
- Vibrating chute as dosing device
- Aspiration
- Palletizer
- Calibration
- Version in mild steel (painted) or stainless steel V2A / V4A (pickled or polished)





FULLY AUTOMATIC BAGGING SYSTEM

The automatic bagging system is used to fill bags and is suitable for any free-flowing and dry bulk material. Thanks to the automated process, up to 1000 bags (with a filling weight of 25 kg) can be filled per hour and closed by sewing or sealing. The size and type of bags can be specified in advance, e.g. for paper or bagging systems PE bags. Filling weights of 5 - 50 kg are possible, including calibratable versions. The production of bagged goods is therefore fast and efficient. The optional integration of roller conveyors or palletizers makes the work process even faster and more convenient.

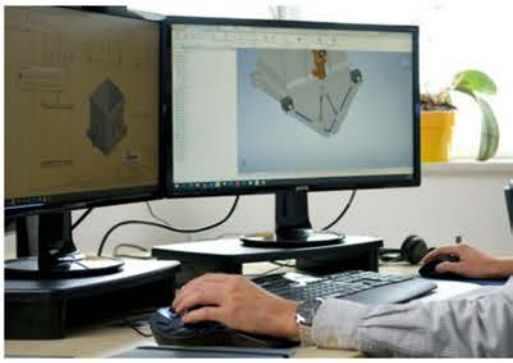
Advantages:

- Powerful, fully automatic system
- up to 1000 bags / hour a 25 kg
- Suitable for common bag types
- Filling weights from 5 - 50 kgCalibratable

Options:

- Feeding technology
- Pre-hopper
- Material S235 painted or V2A
- Palletizer
- Pallet feeder
- Roller conveyors
- Stand-alone
- Remote maintenance
- ATEX








WDW
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WDW Waagen- und Dosiertechnik GmbH
Am Südfeld 10 · 49377 Vechta
Tel. +49 (0) 4441 917 277-0
info@wdw-vechta.de

www.wdw-vechta.com
www.wdw-shop.com

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