



ROVEMA

turning technology to profit.



SDX 50 / 75 / 150

Auger doser

The SDX highlights

- high performance
- precise dosing
- gentle product handling
- self-cleaning level sensor to control product infeed
- separate driven stirrer for homogenization and constant feeding of product to dosing screw
- servo-motor controlled direct drive of dosing screw for highest positioning accuracy
- easy-to-open hopper for improved cleaning and easier maintenance
- individual control of dosing unit by electronic integration of all functions in the control of the packaging machine



Dosing
Pillow Bags
Cartoning
Final Packaging

**The most gentle
method for
precise dosing**

SDX – the most gentle method for precise dosing

SDX 50 / 75 / 150

Auger doser



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The auger doser SDX 50/75/150 shows high performance and technical level. By the exact dosing even with difficult products it fulfils the economic demand of the user within the required legal standards. Almost every powdery or fine-grain product as coffee, sugar, herbs and spices, milk powder and chemicals can be handled.

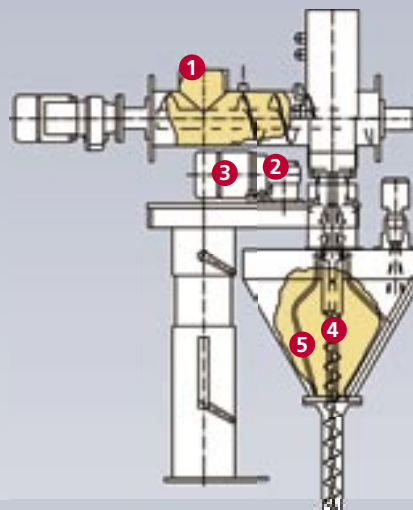
Product care and minimum tolerances

The SDX dosing systems are able to dose even free-flowing as well as viscous products at high performance.

Gentle product handling, minimum filling tolerances and the avoiding of product damage are the most decisive demands to a modern dosing technology. Due to a long-term experience and the technical know-how ROVEMA meets these requirements.

The principle

- (1) Product infeed (by transfer auger – as option – or directly into the hopper)
- (2) Driving motor actuates the stirrer.
- (3) Servo drive actuates the dosing auger.
- (4) Dosing auger admeasures the product in the required quantity.
- (5) Stirrer distributes the product in the hopper.



Benefits and advantages of the SDX

- By the gyratory and high-polished auger screw the product is **handled extremely gentle**. While conventional milled and welded augers whirl the products, apply unwanted pressure and impact high friction causing product degradation and stress to the auger tube with ROVEMA augers the product is gently forwarded parallel to the screw axis. Moreover the closure systems are designed to the characteristics of the product thus ensuring an optimal dosing process.
- Another advantage is the **very close dosing tolerances**. These are far below the statutory tolerances specified in current Weights and Measures legislation. Thus real product saving can be achieved by improving standard deviation – an investment will often pay for itself within one year.
- Since the **auger rotation is continuously variable** the precision of the filling weight dosing is supported additionally.
- Longevity and high availability are guaranteed by **maintenance and wear-free drives**.
- ROVEMA auger dosers can be used as a stand-alone unit or in combination with other machines as an **integral part of ROVEMA systems technology**.

The options

Besides the technical experience and precision the strengths of the ROVEMA auger doser are mainly in the variety and thus in the consistent design of the dosing technology meeting the specific requirements of the customers.

Available:

- a wide range of auger format sets
- product specific closure systems
- devices for gas flushing systems
- aggregate for residual oxygen analysis
- tendency control

Other options on request.