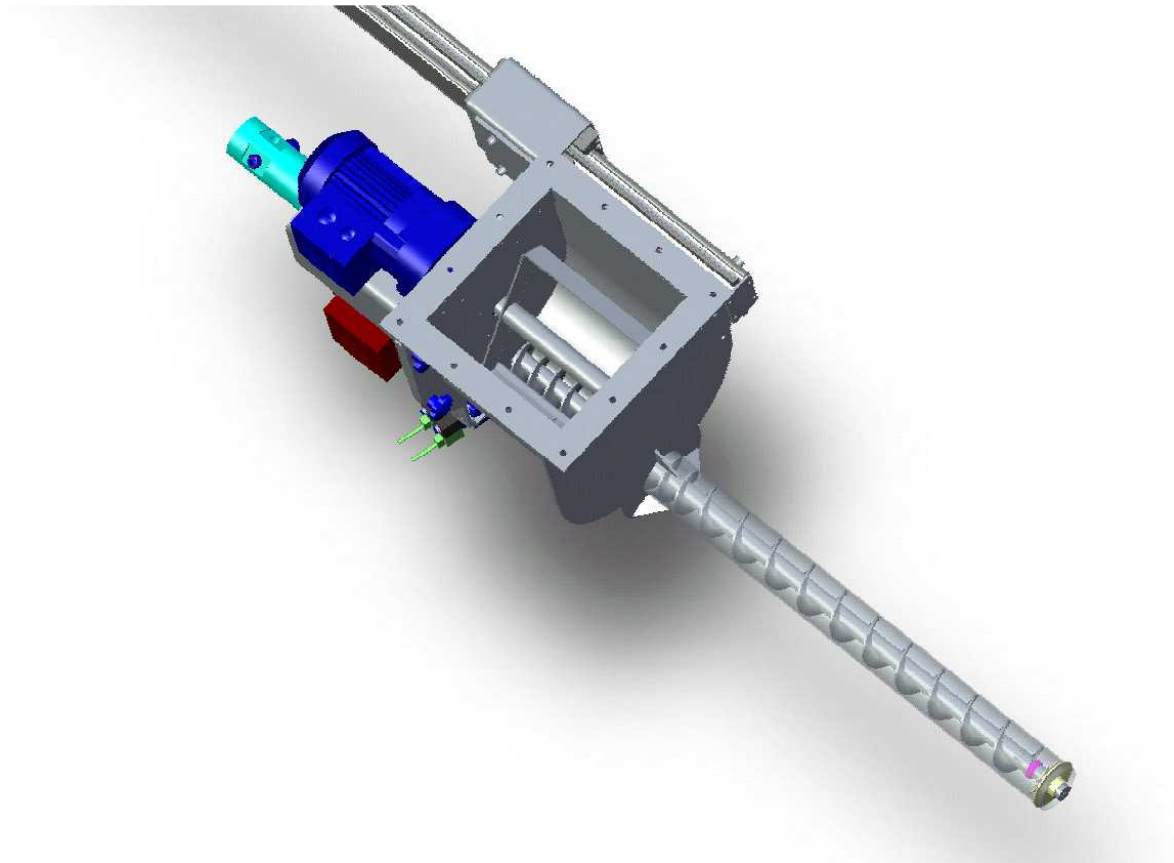


solids Precision Dosing Equipment

Type DSA PreciDos



Metering with highest accuracy, easy-to-dismantle, easy-to-clean, suitable for the smallest of volumes



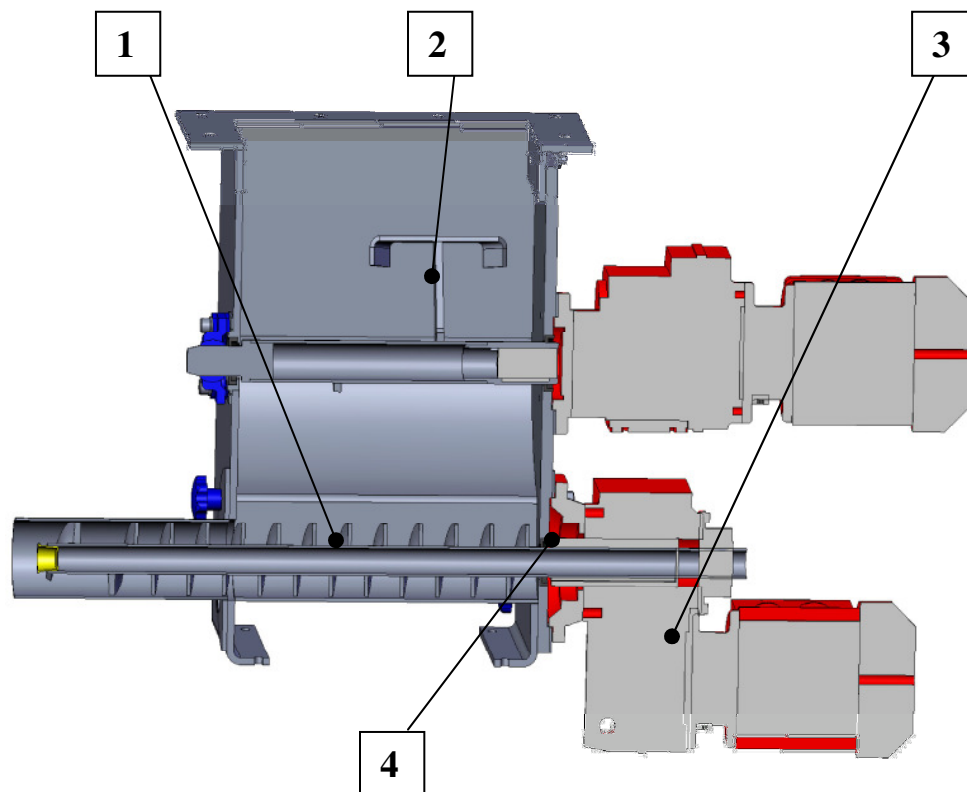
Advantages:

- **Can be used globally, even for difficult bulk solids**
- **Highest metering accuracy and constancy without pulsation**
- **Easy-to-dismantle, easy-to-clean in case of frequent product changes**
- **Suitable for the smallest of volumes**
- **Extendable with weighing**
- **Complete solution with a control unit**
- **Low maintenance**

S.S.T.-Schüttguttechnik Maschinenbau GmbH
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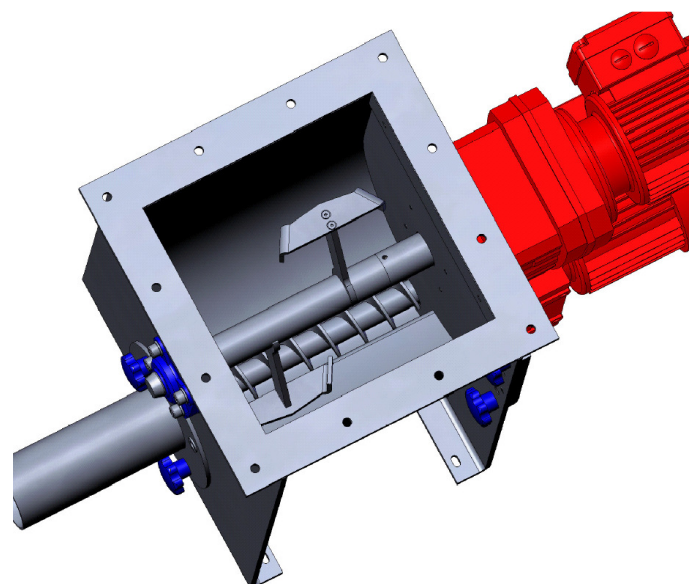
Characteristics of the basic version:



1. Screw flight with progressive pitch
2. Horizontal agitator in the inlet, for uniform filling of spiral channels and to avoid bridging
3. The screw and the agitator are driven using geared motors
4. Shaft seal with radial shaft sealing rings

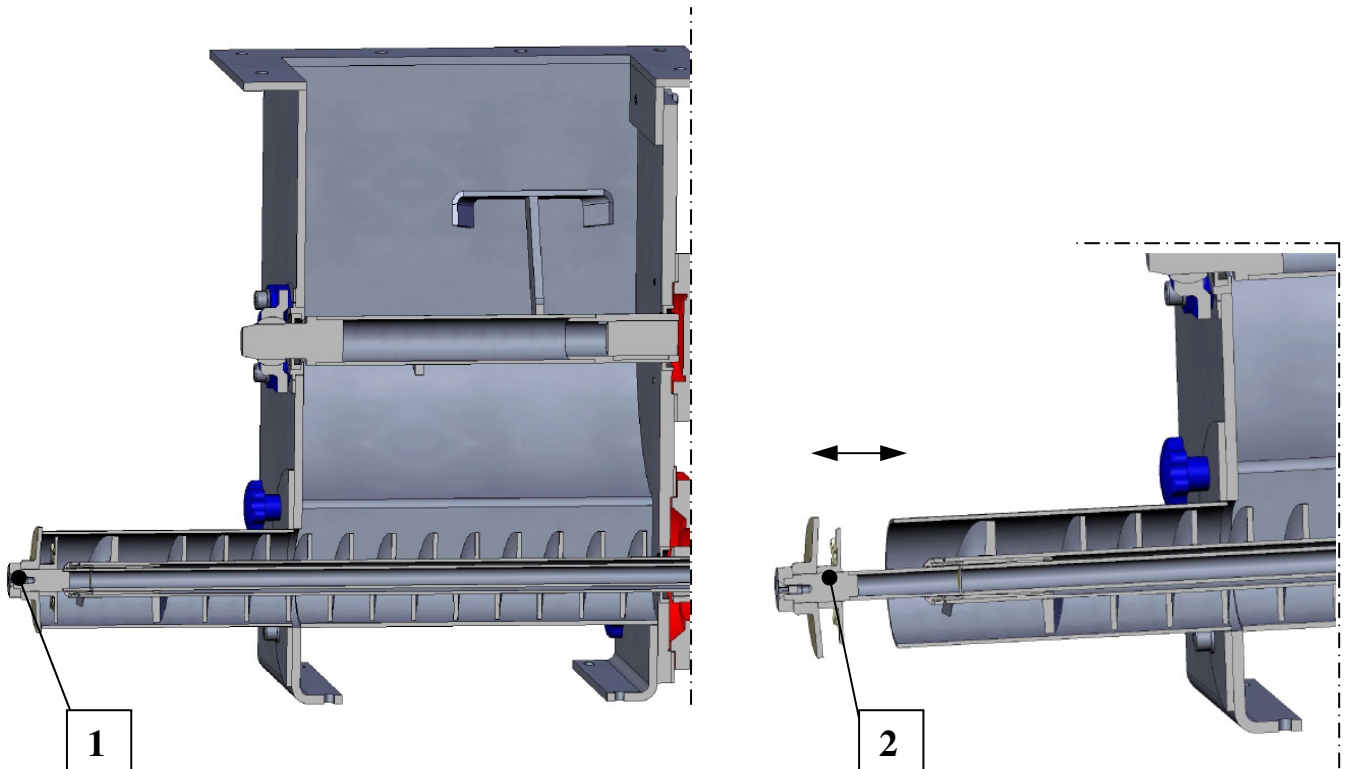
Sizes:

Nominal diameter of flight: 65, 80, 100 mm

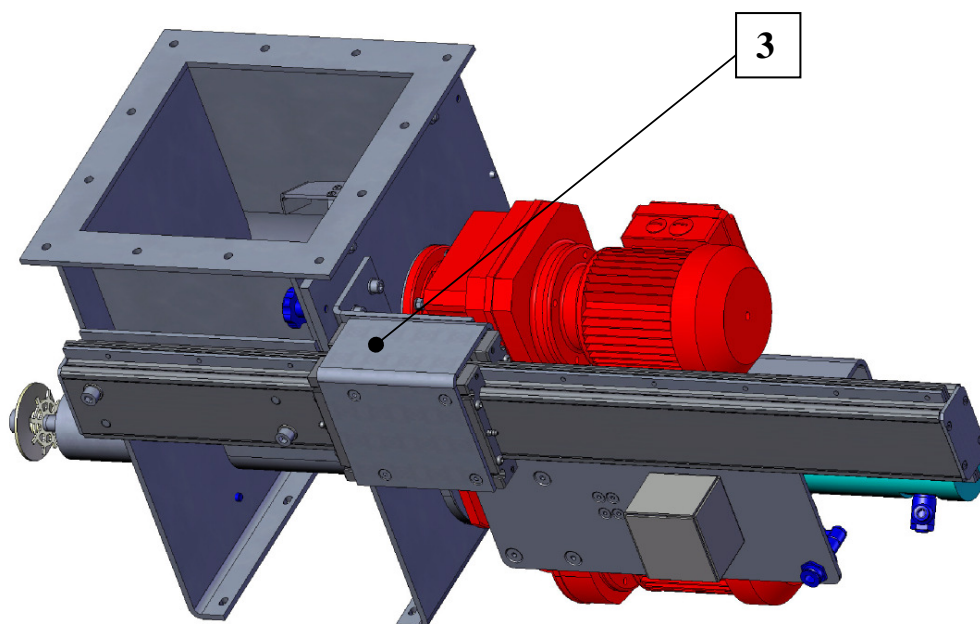


Detail: Inlet with agitator

Optional modules:

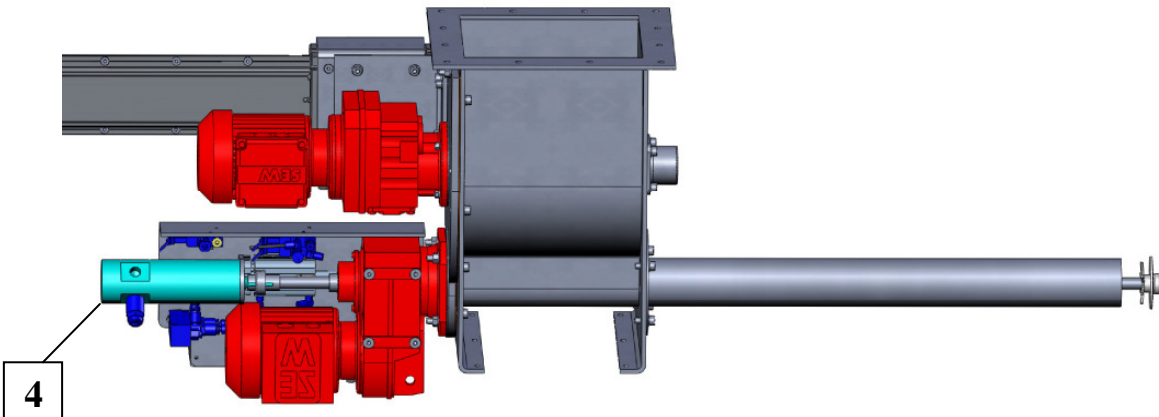


1. Pneumatic quick-action flap valve at the outlet: prevents the product from trickling down after stopping the metering
2. Metering star: also increases metering constancy, prevents pulsation
3. Extractor device for the screw and the agitator, with a rail, for easy cleaning



solids Precision Dosing Equipment

Type DSA PreciDos



Fine metering star with own drive:

For highest metering accuracy. Pneumatic quick-action flap valve and metering star are set to the positions OPEN, CLOSED, FINE FLOW, and RE-METERING. Additionally the quick-action flap valve and metering star are equipped with an own drive, which improves the dropping like a dredger.

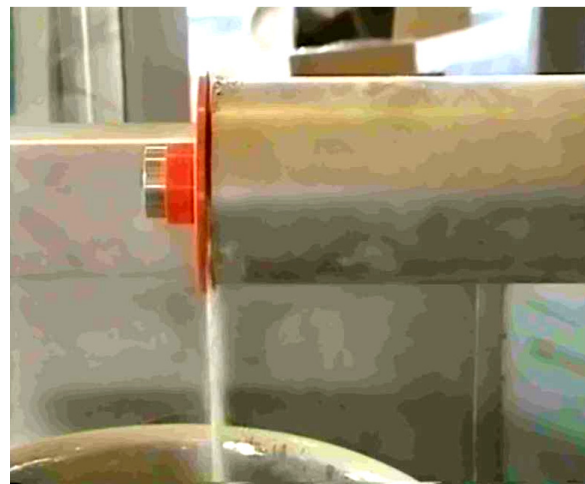
Operation sequence:

E.g. batch-wise filling of a container or a scale:

1. Dosing in the coarse flow at the nominal speed, for short filling periods. The pneumatic quick-action flap valve is fully opened while doing so.
2. At the end of the metering process: Dosing in the fine flow at reduced speed. The quick-action flap valve is driven up to a short distance before the screw outlet in order to enable the shortest possible closing time after stopping the metering. The optional, concurrently rotating metering star is fitted flush at the outlet. It completely prevents pulsation.
3. The screw stops after reaching the desired weight, and the quick-action flap valve closes with an extremely short closing time. This ensures an extremely negligible deviation from the desired value.



1. Coarse flow



2. Fine flow

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