

POWDOS HIGH PRECISION FEEDER

Make no compromise on containment, durability and protection against contamination

The POWDOS is a high-precision feeding and dosing device supporting batch sizes from 50 g up to 5 t and continuous feed rates ranging from 20 to 72,000 dm³/h.

Your Advantages:

- **Wear-resistant executions:** 100% coating coverage to prevent ferrous contamination and ensure maximum service life
- **Advanced containment:** Sealing technologies designed for OEL requirements in battery powder processing
- **Precision and performance:** High-resolution weighing with advanced control algorithms for accurate dosing of micronized and sensitive powders

Maximum Protection and Material Integrity

POWDOS provides full coating coverage of all product contact parts—including shaft sealings—to prevent ferrous contamination and ensure outstanding wear resistance. This guarantees consistent product purity, especially in demanding battery powder applications.

Precision and Flow Performance

High-resolution weighing and advanced control algorithms ensure accurate, repeatable feeding of micronized and difficult powders. The flow-optimized geometry supports smooth material movement in both batch and continuous processes across a broad performance range.



Advanced design of bottom agitator guarantees optimal powder flow into the dosing screw even for very cohesive powders



Engineered for Containment

Advanced sealing technologies ensure tight operation and compliance with OEL requirements, protecting operators and safeguarding product integrity in sensitive processing environments.

Flexible Installation and Integration

With its compact footprint, low installation height and adaptable hopper options, POWDOS integrates easily into space-restricted layouts. The high-end GUC-F controller provides intuitive operation, precise control and seamless automation connectivity.

A Versatile Solution for Modern Powder Handling

Supporting a wide range of batch sizes and continuous feed rates, POWDOS performs in laboratory, pilot and full-production settings. Its combination of precision, purity and containment makes it ideal for industries where accuracy and reliability are essential—especially the fast-growing battery sector.

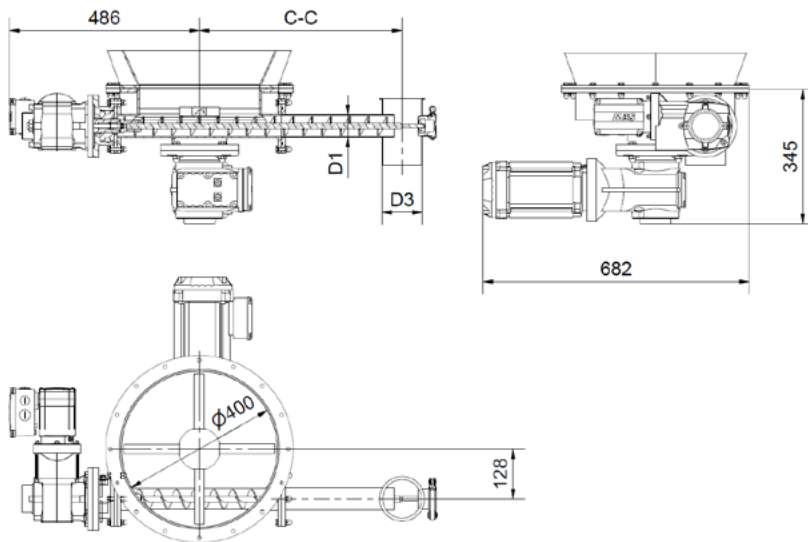
Technical Data

Feedrate:	20 - 72'000 dm ³ /h
Available hoppers:	100 - 5000 dm ³
Surface finish:	Ra ≤ 1.6 µm (product touching parts), glass bead blasted (outside)
Material:	Stainless steel 1.4404
Drives:	Synchronous servo drive (feeding tool), asynchronous drive (intromitter)
Available certificates:	2.2 / 3.1
Protection:	IP55

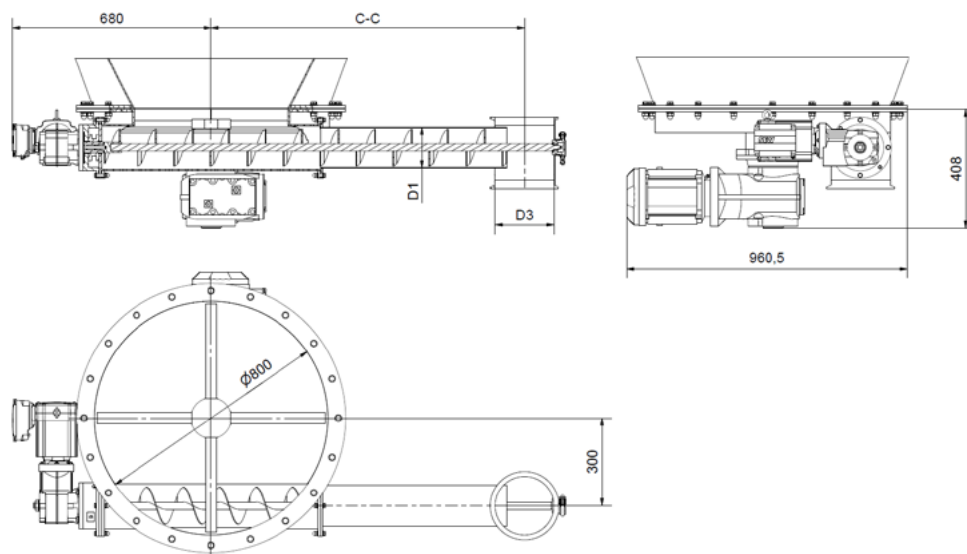
Feeder type	POWDOS M		POWDOS L	
Screw size	5	7	10	12
Feed rate*	20 - 1600	150 - 6000	700 - 28000	1800 - 72000

* Guiding values in dm³/h for good flowing bulk products

POWDOS M



POWDOS L



All dimensions in mm.