



CIS

Inlet Screws

Reliability. Stability. Efficiency.

BUSS Inlet Screw CIS – Efficient material feeding for maximum process reliability

BUSS COMPEO Inlet Screws (CIS) ensure the **uniform** and **reliable transfer** of a wide variety of bulk materials – from powders and granulates to challenging mixtures – directly into the compounder.

Their **modular design**, **simple handling**, and **virtually maintenance-free operation** make them particularly user-friendly. **High-quality materials** with specialized wear-resistant coatings ensure long service life even under challenging conditions. For additional **process and personnel safety**, the feed screw is equipped with integrated sensors; cooling for temperature-sensitive materials can be added as an option. The CIS can be flexibly integrated into **BUSS compounders** as well as other compounding lines and, with six sizes, cover a throughput range from approx. **50 to 7,000 kg/h**.

Product features & customer benefits

- ✓ **Uniform and reliable material feed** of powders, granules, and fillers
- ✓ Maximum process stability through **defined transfer** into the compounder
- ✓ Wide range of applications thanks to **modular design**
- ✓ High user-friendliness thanks to **simple handling** and **virtually maintenance-free handling**
- ✓ Long service life thanks to **high-quality materials** and **specialized wear-resistant coatings**
- ✓ Enhanced safety for the process and operator, thanks to **integrated sensors**
- ✓ Gentle feeding of temperature-sensitive materials using **optional cooling**
- ✓ Throughput range from approx. **50 to 7,000 kg/h** in six sizes



BUSS

excellence in compounding

COMPEO Inlet Screw CIS

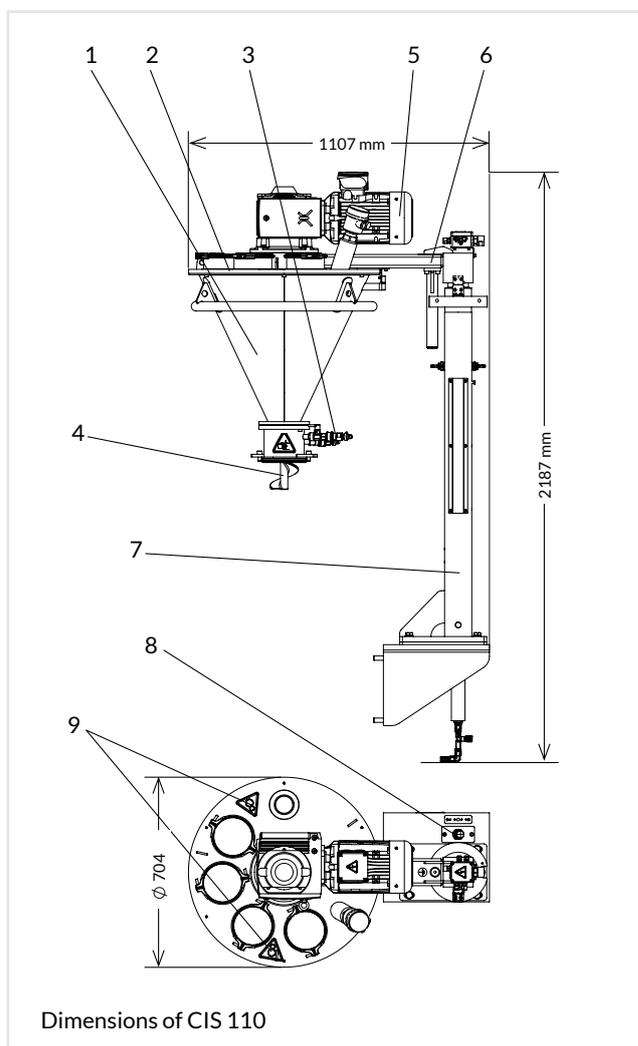
Stand-alone features

- ✓ Easy connection to both BUSS and other compounding lines thanks to **preconfigured integration**
- ✓ Energy-efficient operation thanks to **variable-frequency drive (VFD)** with precise speed control
- ✓ **Quick commissioning** and **easy system Integration** in overall control of the compounding system
- ✓ Customizable connection options through **common and adaptable interfaces** to compounders and dosing units
- ✓ Space-saving use and easy maintenance thanks to **compact and mobile design**
- ✓ Safe and fast coupling using a sophisticated **combination of mobility and adjustment**

Dimensions & Components

Components

1 Hopper
2 Hopper cover
3 Hopper cooling
4 Screw
5 Drive
6 Cross member
7 Pivot column
8 Hydraulic unit
9 Protective installation



Overview of CIS sizes & technical data

	COMPEO LAB	COMPEO 55	COMPEO 88	COMPEO 110	COMPEO 137	COMPEO 176
Typs	CIS 45,5	CIS 55	CIS 88	CIS 110	CIS 137,5	CIS 176
Power	0,37 kW	0,55 kW	1,5 kW	1,5 kW	1,5 kW	1,5 od. 4 kW
Speed	140 rpm (max. 280 rpm)	140 rpm (max. 280 rpm)	130 rpm (max. 260 rpm)			
Screw diameter (rounded to size)	45 mm	55 mm	88 mm	110 mm	137 mm	176 mm