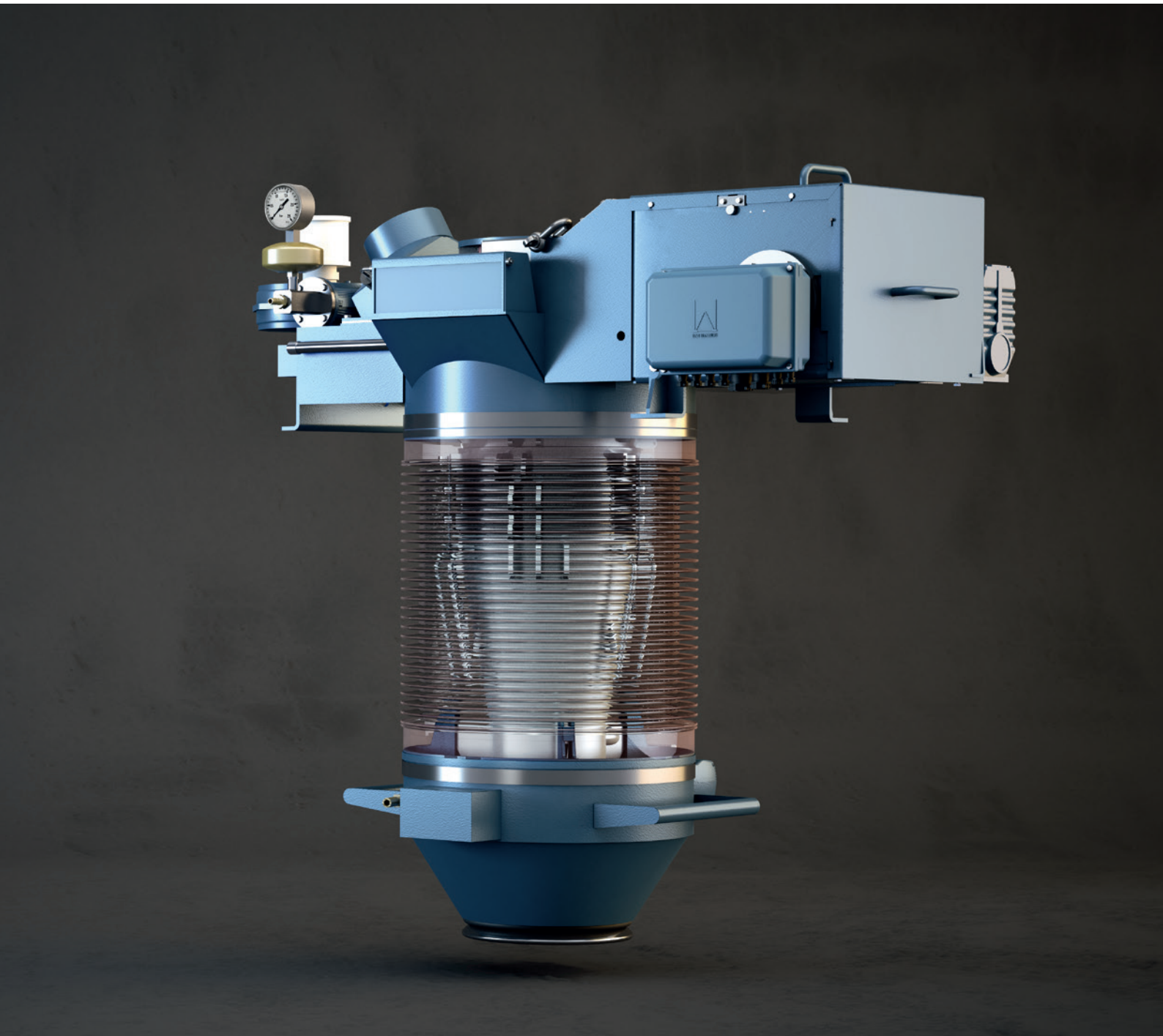
IBAU HAMBURG
A HAVER & BOECKER BRAND



LOADING CHUTES

Truck loading was never easier

OPERATION & DESIGN

The IBAU Loading Chute is being used for the loading of trucks and railcars with many different types of bulk goods, e.g. cement, clinker, fertilizers, paint dust, fly ash, etc. Its double cone sealing ensures a dust-free loading. The IBAU Loading chute can be easily adapted with regards to its length, depending on the situation at site. We also offer different filling level monitoring systems as well as our new automatic hatch cover detection system, which allows for an automatic positioning of the loading chute and thus eliminating dangers that arise due to the positioning by the truck driver.

There are **two different options** for installing the loading chute depending on whether a **stationary** or **mobile loading system** is being used.

The **main feature is the flexible design**, which makes it possible to compensate for height differences between silo vehicles

The design with **bowls** allows for **more flexibility** in lateral movements

The use of **three ropes for lifting and lowering** of the socket allow for a greater safety and stability

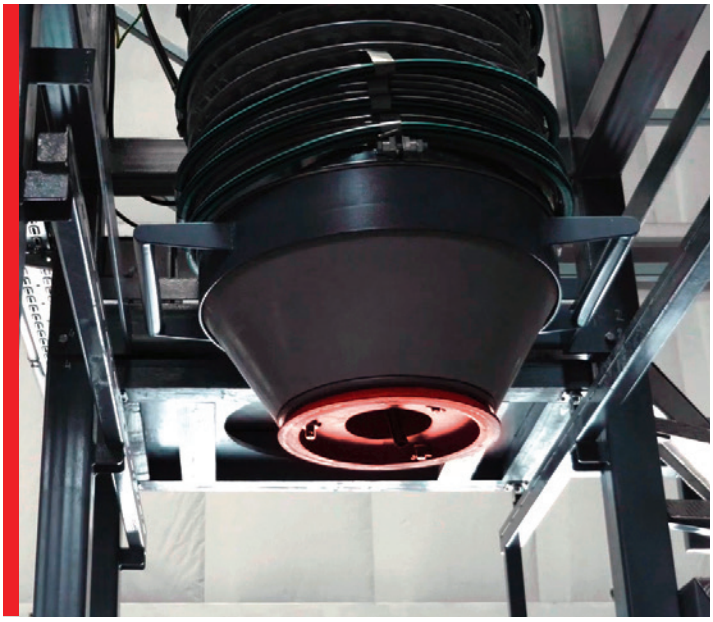
A **fully automatic** version is available.

The chute can be combined with the **IBAU Automatic Hatch Cover Detection System**.

The **dust is removed** via the **free space** between the outer bellows and the bowls

After loading, the **vibrating motor** serves for cleaning the inner bowls. The vibrations generated loosen lightly attached dirt so that **no incrustations can arise.**

The chute is **available** with with an **integrated filter**



AREA OF APPLICATION

- Loading chutes are commonly used to load bulk materials into trucks, railcars and ships
- Control of dust emissions during cement loading, which is essential for environmental compliance and work safety
- The wide range of applications emphasizes the IBAU Loading Chute's adaptability, efficiency, and dust control capabilities, making it indispensable for bulk handling across diverse industries.

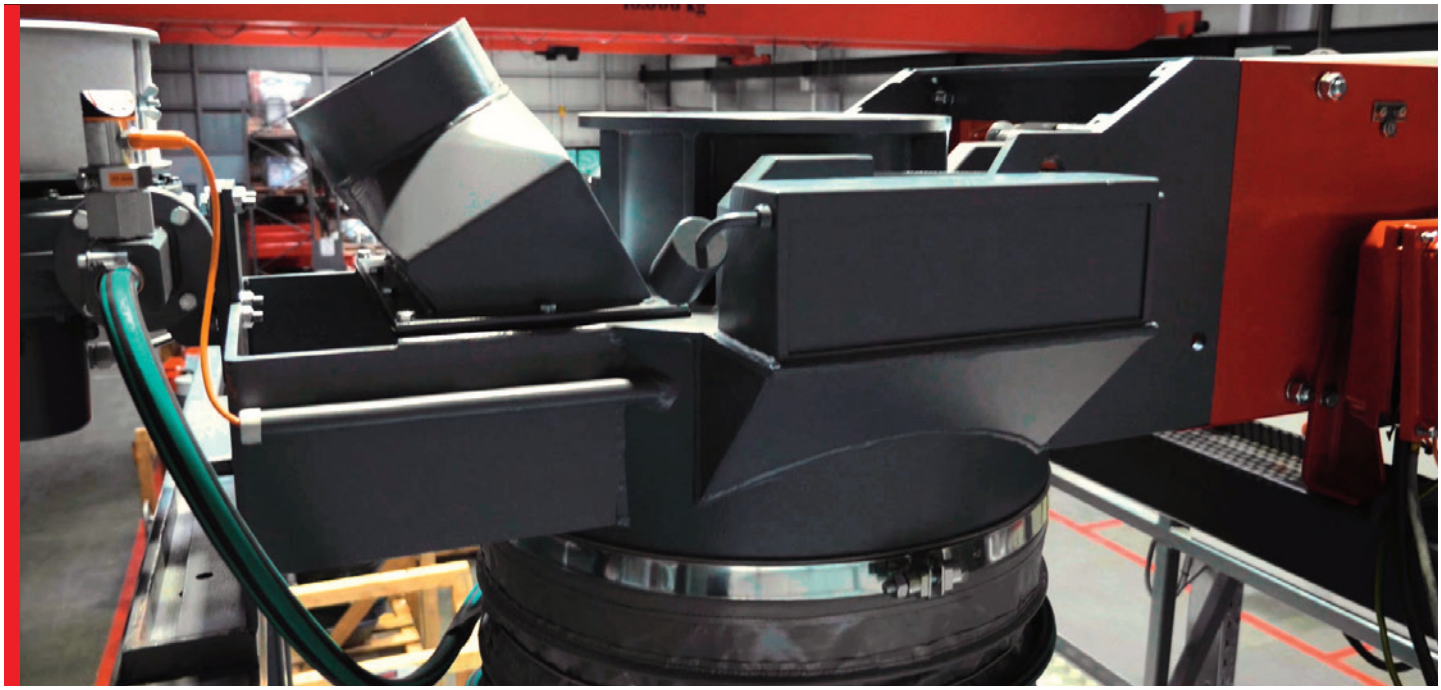
FUNCTION

The loading chute loads conveyed goods into and onto suitable transport vehicles via the worm gear motor, the rope winch and the round strand ropes. The outer bellows and the bowls are lowered onto or lifted from the filling opening of the transport vehicle. The discharge cone in the lower area of the loading chute is used to place the loading chute on the opening of the transport vehicle.

For **cleaning after the loading process**, the loading chute has an **optional vibration motor** that shakes off deposits inside the bowls.

In the **raised position**, the **outer bellows and bowls are drawn together** and the **loading chute** is **closed** with the locking cone facing downwards.

The loading chute offers **unloading capacities** ranging from **300 m^3/h** up to **420 m^3/h.**



ADVANTAGES

of the IBAU Loading chutes

- Dust-free loading of rail wagons and truck vessels, due to the closing cone
- Designed for various materials such as limestone, cement, fly ash, alumina & clinker
- Greater flexibility with lateral movement of the loading bellows
- Greater safety and stability due to the use of 3 ropes
- Longer service life of the ropes due to positioning outside of the material flow
- Loading chute can be mounted for mobile or stationary loading stations
- Cost reduction due to standardization of the parts and the flexible design.
- Continuous further development – upgradeable with the new IBAU Automatic Hatch Cover Detection System.

IBAU HAMBURG
Ingenieurgesellschaft • Industriebau mbH

Rödingsmarkt 35 • 20459 Hamburg • Deutschland
+49 (40) 36 13 09 0 • info@ibauhamburg.de

www.ibauhamburg.com