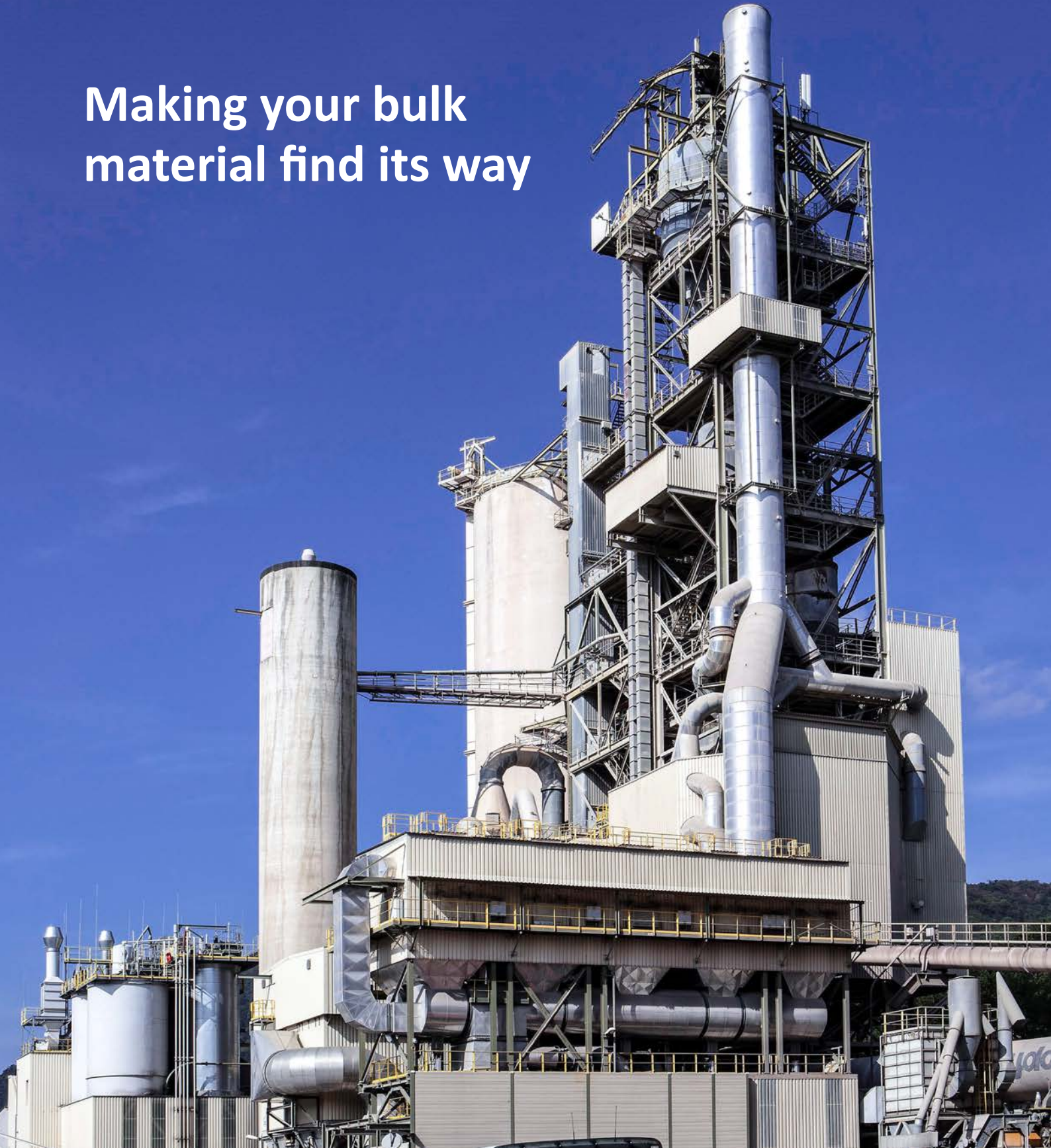


Making your bulk
material find its way



GECCOS

Bulk Material Handling



TKF Chain Conveyor

GECOS TKF – are dust free continuous-action chain conveyors. They are suitable for bulk materials conveying, discharging, distributing, loading and collecting. We also offer those of special design, as for example water-bath chain conveyor in the production of white cement or for the cooling of ashes.

Due to the wide range of TKF's design, they can be optimally planned into the local conditions.



TDM Truck Discharge Machine

The bulk material, delivered by truck, brought by front loaders or grab cranes, is filled into the feeding hopper of the TDM. In this case, the discharging machine can serve as a continuous conveyor or/and as an intermediate buffer. The bulk material is handled by means of a transport belt from the hopper to the outlet chute and fed there to the downstream process equipment.



TDS Trailer Docking Station

Alternative fuels like wood chips and fluff must be delivered by Walking Floor Trailer. Bulk material is pushed directly out of semi-trailer into the docking station. By means of screw bottom the bulk material is transferred at the lateral direction with certain adjustable capacity to the chain conveyor, which transports bulk material to the downstream process equipment. If required, TDS can be provided in high degree dust-free execution. A stationary hydraulic power pack is also available to decouple the semi-trailer from the truck and to be able to empty it autonomously.



SDM Silo Discharge Machine

SDMs with a diameter in the range of 1.5 and 5.0 m are used for discharging bad-flowing bulk materials from silos, since bridging and/or core flow can often occur with these bulk materials. These phenomena partially or completely prevent the emptying of these silos. From a silo designed in accordance with a bulk material analysis, we can apply SDM to ensure a problem-free silo discharge with continuous mass flow.



RDM Rotary Discharge Machine

This machine is used to discharge larger silos with a diameter in the range of 6 m to 18 m. Discharger's bottom of the RDM itself is supplied in diameters of 6 m, 8 m and 10 m. Body of the machine also includes internal cone with centrally displaced BDM, which rotates, undercuts the entire column of bulk material and transfers the bulk material into a central outlet opening.



BDM Bunker Discharge Machine

BDM are suitable for discharging a wide variety of bulk goods from free-range and longitudinal bunkers. The following types of design are available: Block, Portal and with Swiveling discharge wheel. When discharging, the BDM moves on rails with its rotating discharge wheel in alternating direction over the bunker shelf and conveys the bulk material out of the bunker into conveyor placed below the BDM, usually a belt conveyor, but also chain conveyors have already been used.



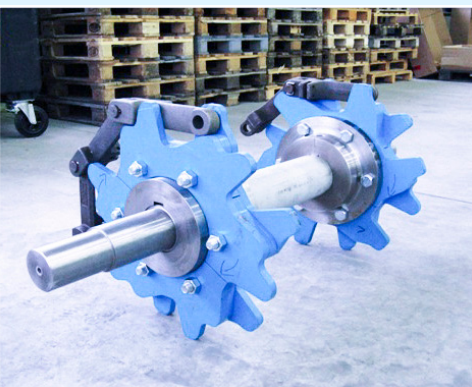
SAS Sweeping Auger

These screw dischargers have been designed to discharge large silos with a diameter in the range of 4.0 to 18.0 m. The bulk material, preferably alternative fuel, is transferred by the screw into the rotating inner cone. The bulk material is next moved by means of distributing rotors into two discharge outlets and fed there to the downstream process equipment. This machine is not suitable for dusts and fine-grained bulk materials.



Bulk Material Testing Laboratory

In our laboratory bulk materials are examined in order to determine their properties, which ensure problem-free mass flow discharge of silos and bunkers. With the determined bulk material properties, we can carry out a customized silo dimensioning which, in combination with one of our selected discharge units, guarantees problem-free discharge of bulk material.



Spare parts and Service

Through individual maintenance contracts, regular inspection visits for timely problem identification as well as maintenance strategies for long-term efficiency and trouble-free operation of the equipment can be established. We are also in the position by our experienced staff to take over the maintenance of already in use third party machines, which are functionally identical to our conveying and discharge equipment.



Erection and commissioning

If required, our certified personnel can provide you with all erection and commissioning services for the machines from our product portfolio.

In the event that you would like to carry out the installation and commissioning yourself, we offer you, after installation, to request a supervisor from us, who will take care of your assembly work and assist you during commissioning.

Industries

Cement
Lime, Gypsum
Power Plants
Coal

Chemistry
Metallurgy
Alternative Fuels
Environment Protection



Bulk Material Handling

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