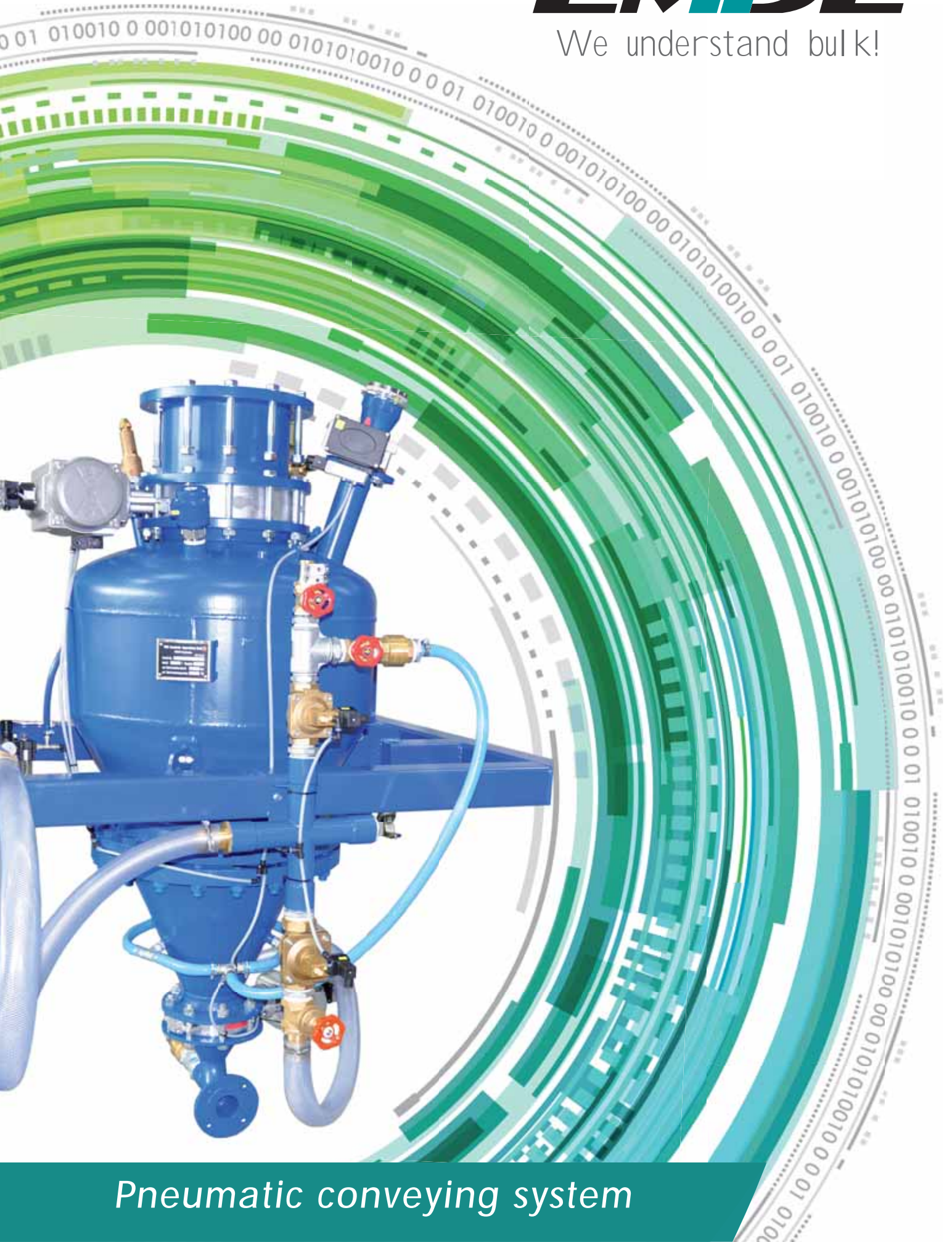




# EMIDE

We understand bulk!



*Pneumatic conveying system*



Testing facility

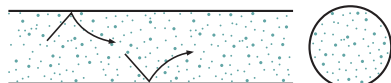
## Pneumatic conveying ...

... is the most economical method for carefully transporting powder and granulate over large distances, both horizontally and vertically.

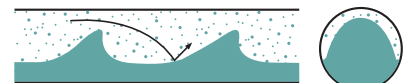
Transport speeds are adapted to both technical requirements and product features. We offer all solutions between pure dilute-phase conveying and dense-phase conveying. A practice-oriented calculation programme supports the design of the system. Moreover, your product can be guided through tests in the extensively equipped technical centre, in order to achieve a reliable design.

### ■ Conveying principles

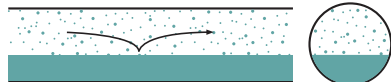
**Dilute-phase conveying:**  
v = 20 to 40 m/s



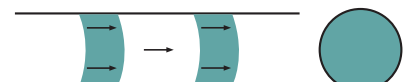
**Bale and/or dune conveying:**  
v = 5 to 15 m/s



**Strand conveying:**  
v = 15 to 30 m/s



**Plug conveying:**  
v = 5 to 15 m/s



Pressure conveying with rotary valves and rotary piston containers



Filter separator



*Big bag emptying station with pressure bin*

## Pressure conveying

Long conveying distances and maximum conveying performance are realised with pressure conveying systems. Discontinuous conveying is achieved with pressure bin; naturally, systems designed as double feeders can also be continuously operated. Rotary valve conveyors have the advantage that dosed product delivery can be realised in the conveyor pipe.

Conveyor pipes and pipe bends are designed and dimensioned according to experience.

- Pneumatic conveying with pressure bins
- Conveying of rotary valves with discharging or blow-through rotary valves
- Inert gas conveying
- Injector conveying
- Conveyor lengths of up to 250 m



*Feeding vessel conveying for chemical production*



*Cell wheel conveying with side channel blowers*



*Filter separator*

## Suction conveying

These conveyor systems have the crucial advantage that very low construction heights are sufficient for the material feed. In addition, materials can be taken directly from containers such as sacks, barrels, big bags, octabins, etc.

- Vacuum generation with rotary piston blowers, side channel blowers or vacuum pumps
- Low investment and maintenance costs
- Separator tank with a filter system matching the bulk material
- Conveyor lengths of up to 150 m

**EMDE**

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