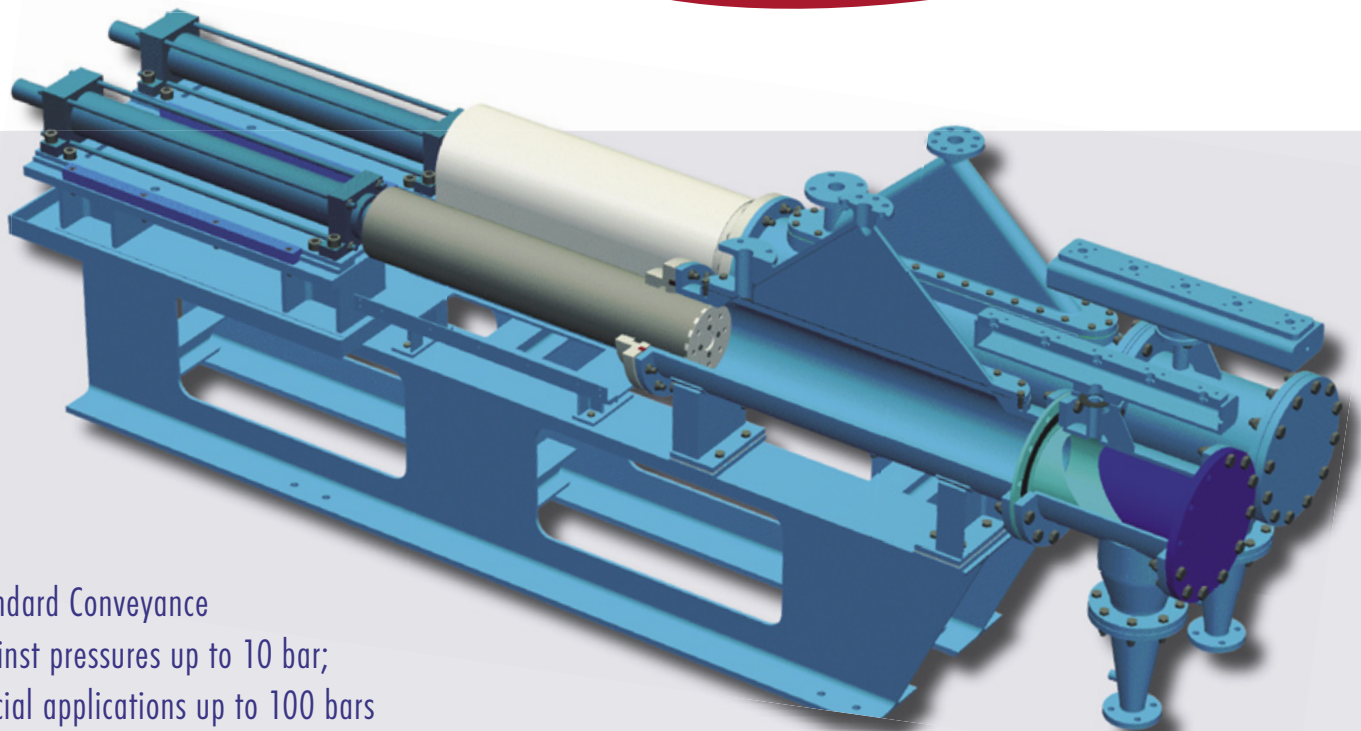


New Pneumatic Dense Phase Technology

PFD Dense Phase Conveyor (precise flow dosing)

- ✓ Cost Efficient
- ✓ Non-stop conveyance
- ✓ Maximum Dosing precision against Target Value
- ✓ Foresighted, volumetric Conveyance
- ✓ Low Maintenance and low mechanical wear
- ✓ Programmable Controller
- ✓ Fast throughput times
- ✓ Granulate Conveyance
- ✓ No control loops

An innovative
substitute for Screw Feeders,
Rotary Feeders, Control Valves
and Pressure Vessels



Standard Conveyance
against pressures up to 10 bar;
special applications up to 100 bars

 **FELDHAUS**
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New Pneumatic Dense Phase Technology

PFD Dense Phase Conveyor (p**re**cise **f**low **d**osing)

Benefits:

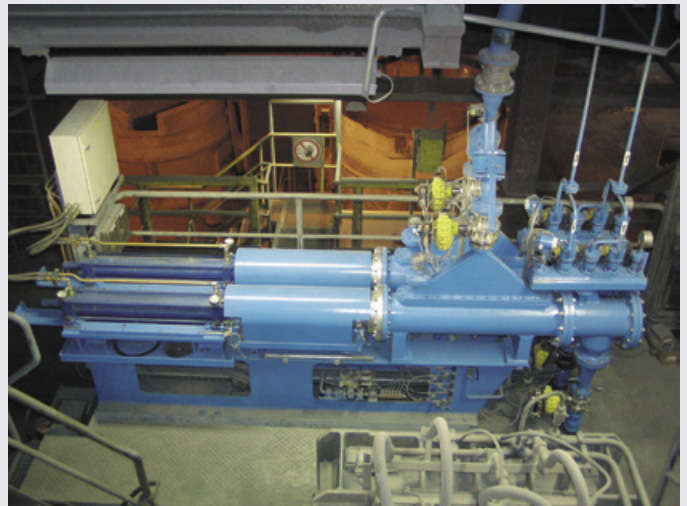
- Maximum Efficiency
- High Cost Control
- Reduced Operating Costs
- Staff Savings
- Reduced Auxiliary Process Times
- Reduced Consumption of Carrier Gas
- Maximum Dosing Precision
- Nonstop Operation
- No Fill-Up Times for Injection Vessels
- Short Cycle Times
- Smooth Blowing Behavior
- Simple and Robust Engineering
- No Pulsing Output
- Explosion-Proof

Wear and Maintenance:

- Jacket, Piston and Output Cone are free of wear
- Ball Valves show high durability (Life Cycle: > 4 Years).
Valves are actuated only when pressures are the same on either side of the valve
- Piston Seal Rings are replaced every 10 months as a precautionary measure

Reference Installations:

- Two machines are in continuous use at ThyssenKrupp Steel processing more than 5 million tons of crude iron annually by injecting Magnesium granulate into the bath. An expert's report from ThyssenKrupp Steel is available upon request.



PFD Dense Phase Conveyor at ThyssenKrupp Steel

- ◀ Desulphurisation Plant at ThyssenKrupp Steel in Duisburg, Germany to tri-inject Magnesium, Calcium Carbide and Lime

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