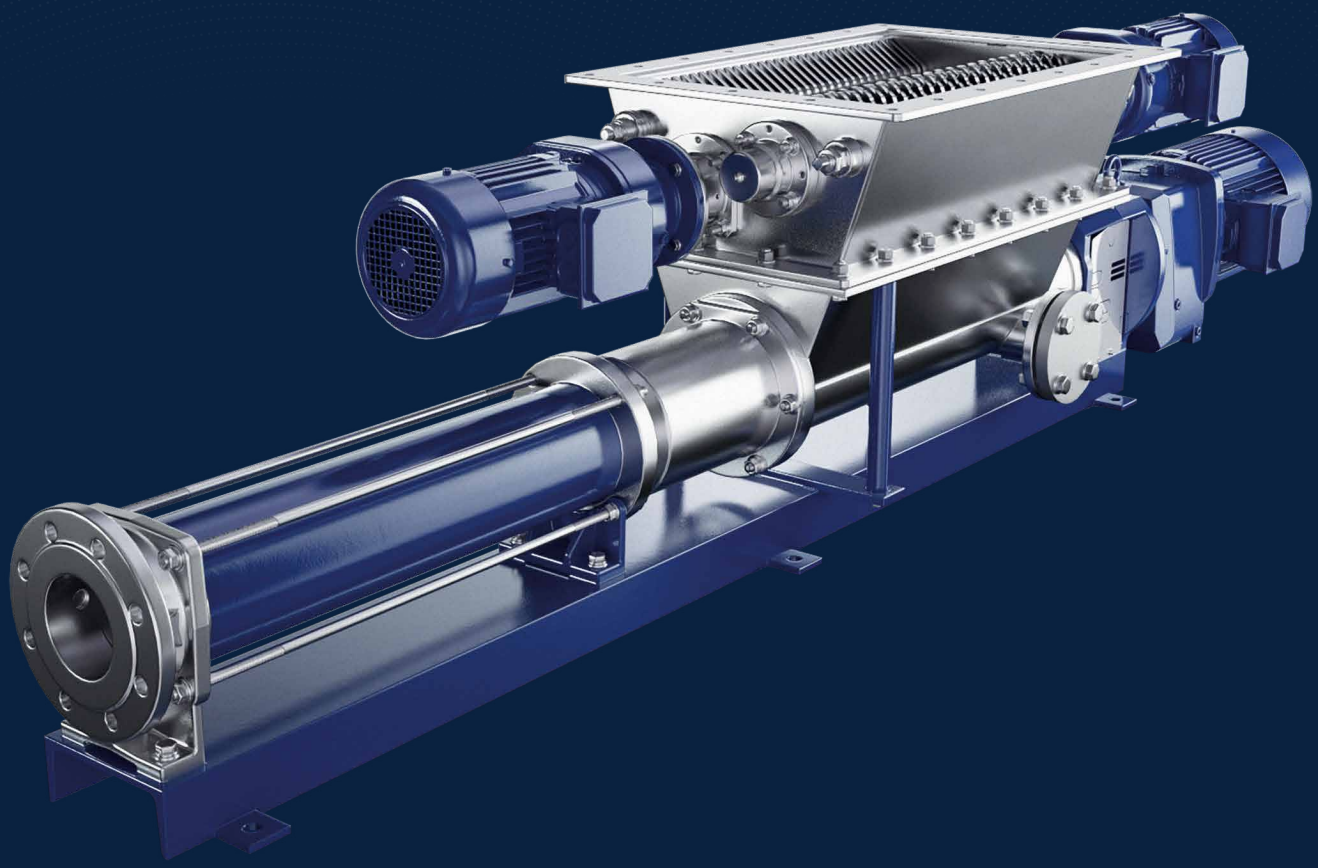
SEEPEX.
An Ingersoll Rand Business

FROM WASTE TO EFFICIENCY

FLOWSHRED – SHREDDING AND CONVEYING SYSTEM



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SHRED. CONVEY. SECURE YOUR PROCESSES.

SEEPEX FlowShred brings efficiency and process reliability to the food processing industry. Heterogeneous residues such as fibrous pineapple peels, bulky melon pieces, or hard mango seeds can frequently cause blockages, increase maintenance, and trigger unplanned downtime. Such materials are difficult to handle and often challenge conventional systems.

FlowShred makes even the most demanding organic waste reliably pumpable. The system reduces diverse food residues to a defined, uniform particle size and immediately converts them into a homogeneous medium that can be conveyed continuously without interruption.

As an integrated solid conditioning system, FlowShred combines a robust twin-shaft grinder with a precisely matched progressive cavity pump. This advanced unit reliably handles fibrous, bulky, or hard components, ensuring a controlled and stable conveying process every time.

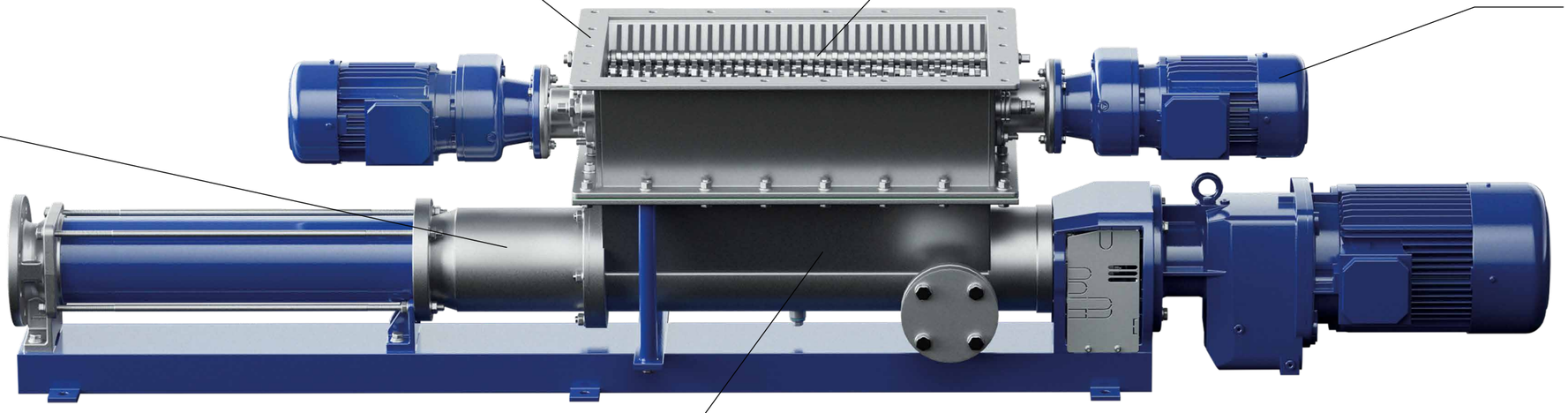
FLOWSHRED – SOLID CONDITIONING SYSTEM

FEATURES AND BENEFITS

- Reliable: Uniform shredding ensures smooth material flow, prevents blockages, and maintains reliable operation even with occasional contaminants
- Optimized intake performance: Snail geometry safely handles large, round, or fibrous components
- Directly pumpable: Seamless transfer to the progressive cavity pump enables uninterrupted conveying
- Lower operating costs: Minimal drive power and reduced downtime lower energy use and maintenance needs
- Closed and clean: Compact design reduces odors and simplifies cleaning
- Durable construction: Stainless steel components and low-speed operation minimize wear and extend service life
- Compact and flexible: Space-saving design allows easy integration into existing production and waste handling systems

KEY FACTS

- Throughput: up to 16 m³/h (up to 70 US gpm)
- Pressure: up to 12 bar (up to 175 psi)



TWIN-SHAFT GRINDER
Reduces heterogeneous organic residues to a uniform particle size.

SNAIL GEOMETRY
Optimizes material intake and prevents blockages.

REDUCED ENERGY CONSUMPTION
High torque at minimal power ensures maximum efficiency.

PROGRESSIVE CAVITY PUMP
Ensures reliable, continuous transport of shredded material.

STAINLESS STEEL CONSTRUCTION
Durable, corrosion-resistant and clean.

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