

MoveMaster S – Screw conveyor – Splitter Box

- Integrated overfeed protection
- Customizable inlet and outlet options
- Pressure-resistant design
- Suitable for a wide range of materials
- Optional weighing system
- Easy installation
- Maintenance friendly design



Application

The MoveMaster S is designed for conveying and distributing material flow. It is suitable for processing various types of alternative fuels, including:

RDF (Refuse-Derived Fuels):

- Shredded plastics
- Textile
- Paper
- Rubber (tire chips)

Biomass:

- Wood (chips, pellets)
- Straw
- Agricultural waste

Sludge and granulates:

- WWTP sludge
- Coal sludge
- Animal meal

The system is also capable of handling any combination or mixture of the materials listed above.

Design

MoveMaster S consists of a trough and a screw.

The trough features a modular construction, allowing easy customization. Inlets and outlets can be added based on application requirements. The design supports reversing screws, material flow splitting, and pressure-resistant construction for extended service life. For abrasive or challenging materials, the trough is made from abrasion-resistant steel. In specific cases, the trough can also be equipped with a hopper.

Screws are available in two versions:

Loose screws (LSC) are supported only on the drive side and are guided by runners inside the trough.

Supported screws (SC), which are supported with bearings on both ends.

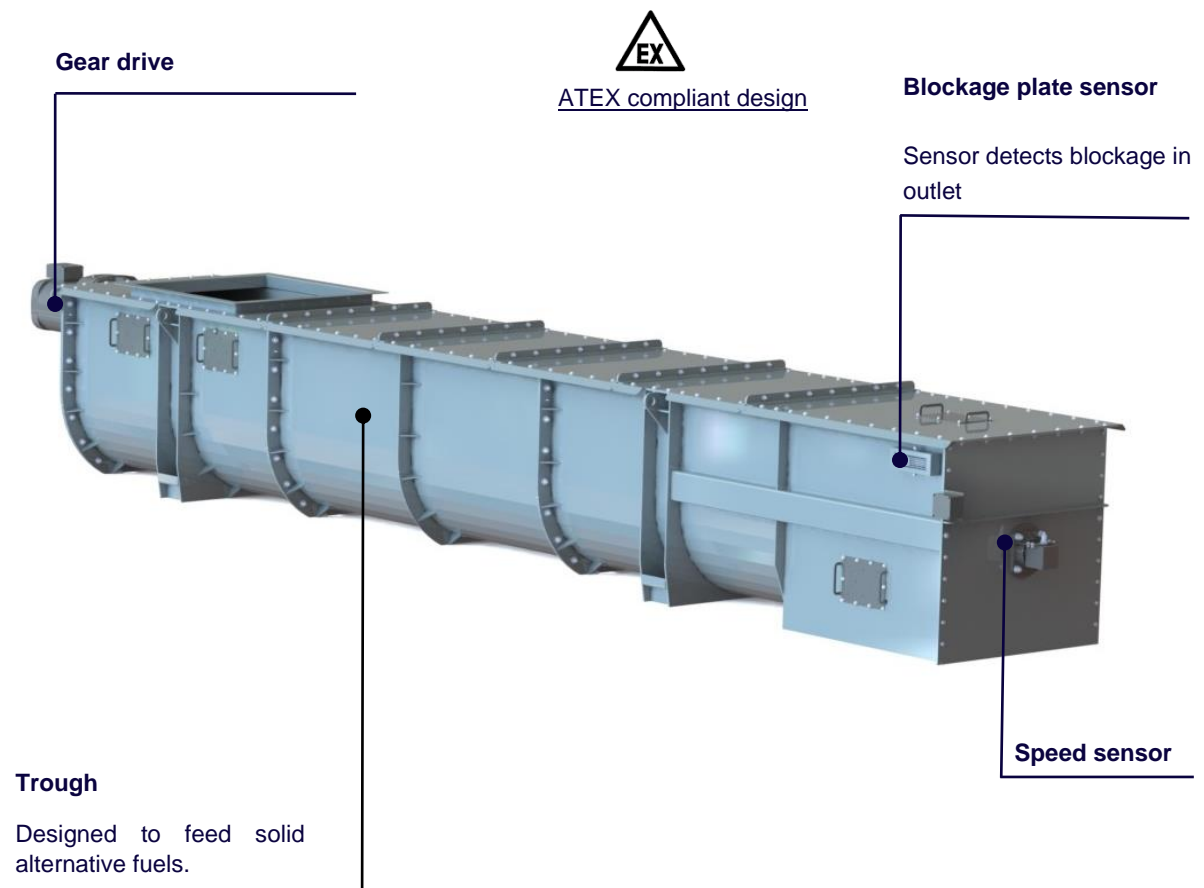
The selection between these two screw types depends on the conveyed material, transport requirements, and the specific application.

Operation

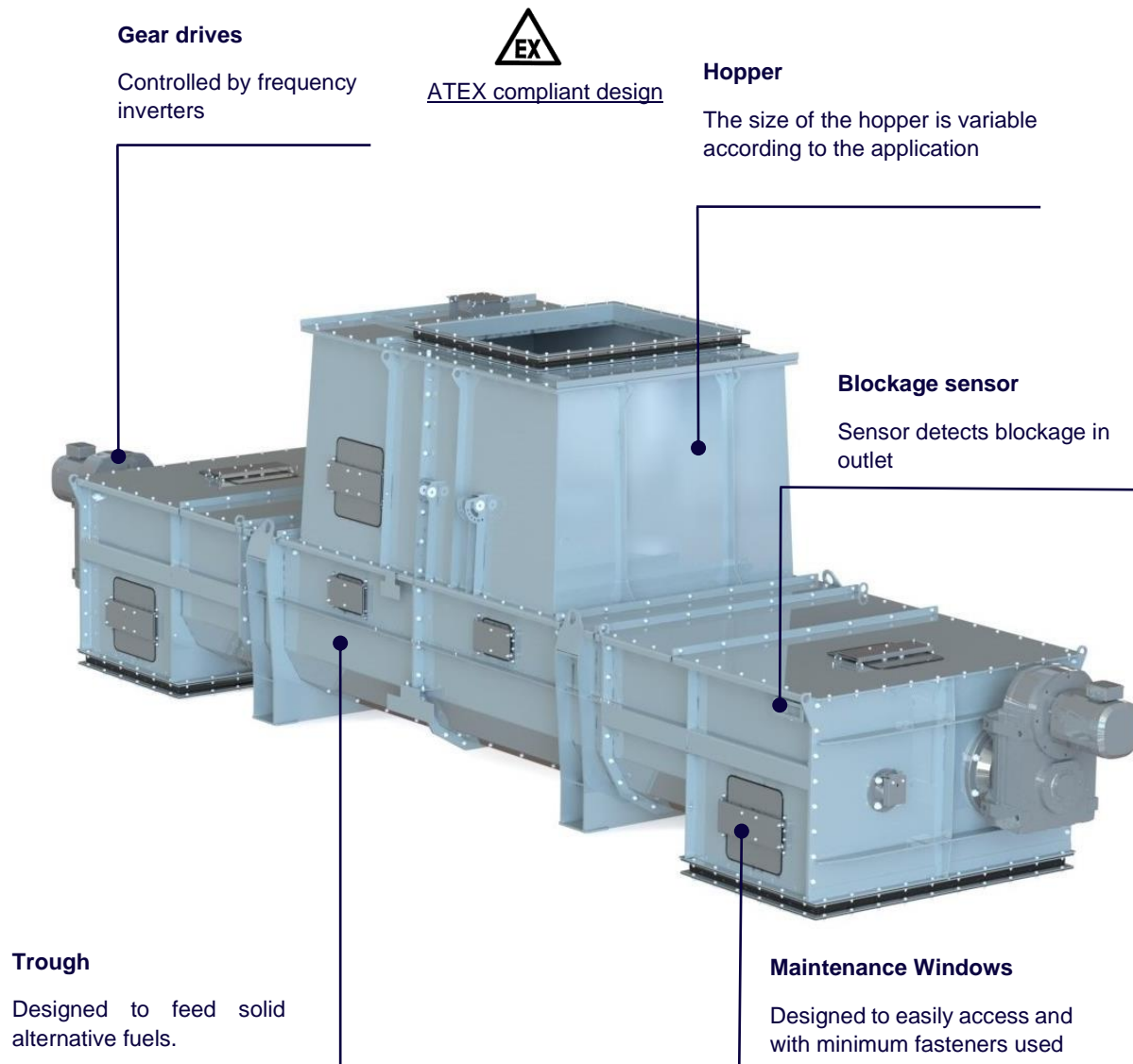
- A wide range of screw diameters, from 400 mm up to 1000 mm, combined with single or double screw configurations, ensures a broad feeding capacity.
- The conveyed material is protected from environmental exposure thanks to a weather-resistant, spillage-free conveyor design.
- Pressure-proof construction enhances operational safety and durability.
- Dust-free design

Description

MoveMaster S - Screw Conveyor



MoveMaster S - Splitter Box



MoveMaster S – Screw Conveyor variants

Number of screws

1. Single screw
2. Double screw



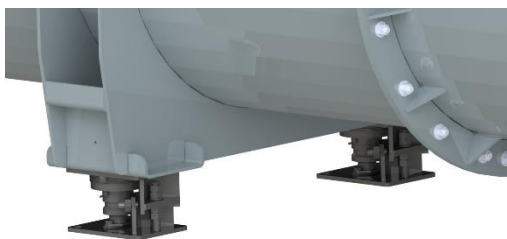
Pressure proof design

1. Up to 350 mbar
2. Up to 10 bar

Options

Variability of inputs and outputs

1. Multiple inputs
2. Multiple outputs
3. Reverse screw

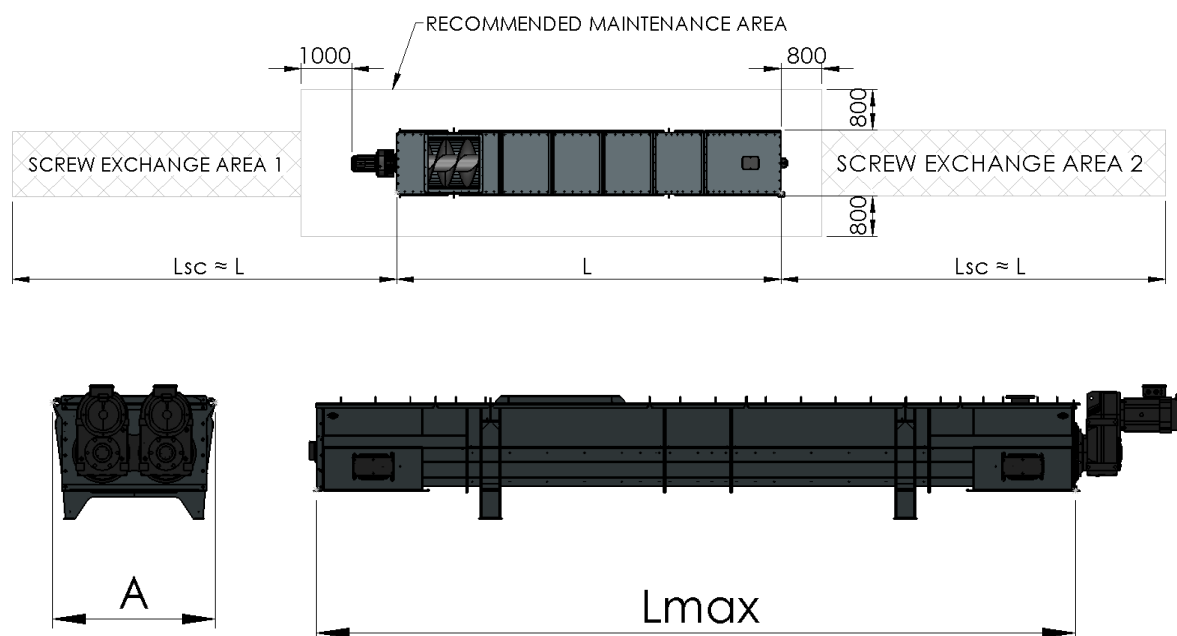


Weight system

Screw conveyors can be placed on strain gauges, depending on the application and use in the conveyor line.

General Arrangement

MoveMaster S – Screw Conveyor

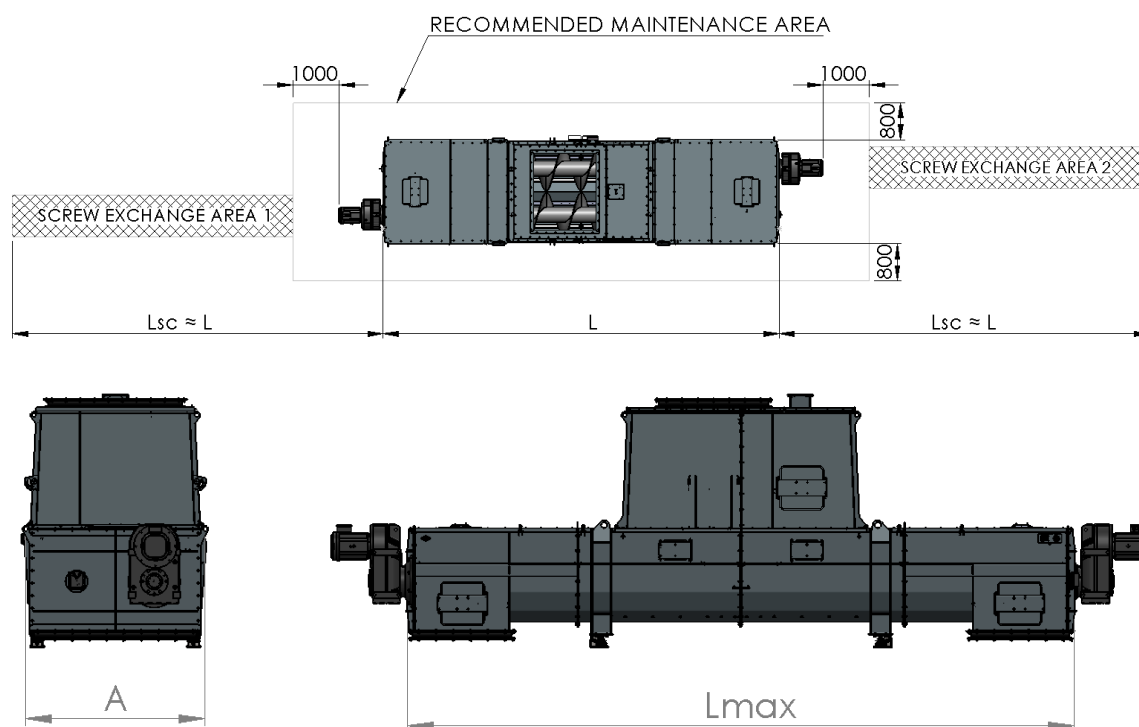


General Data

Model	A [mm]	Lmax [mm]	Screw diameter [mm]	Max. Feed rate [m³/h]	Average Weight [Kg/m]
S1 - 400	620	4000	370	23	220
S2 - 400	1070	4000	370	45	375
S1 - 450	700	4000	420	40	250
S2 - 450	1160	4000	420	80	370
S1 - 500	720	5000	470	50	255
S2 - 500	1240	5000	470	100	770
S1 - 650	810	6000	620	100	350
S2 - 650	1690	6000	620	200	805
S1 - 850	1140	8000	800	190	525
S2 - 850	1990	8000	800	380	835
S1 - 1000	1374	8000	950	300	610
S2 - 1000	2310	8000	950	600	1150

(S1 Single screw, S2 Double screws)

MoveMaster S – Splitter Box



General Data

Model	A [mm]	Lmax [mm]	Screw diameter [mm]	Max. Feed rate [m³/h]	Average Weight [Kg/m]
400	1070	5000	370	45	375
450	1160	5000	420	80	370
500	1240	6000	470	100	770
650	1690	7000	620	200	805
850	1990	9000	800	380	835
1000	2310	9000	950	600	1150

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