



Screw Conveyor (SC)

Product



Contact us directly.

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What does it do?



The Screw Conveyor (SC) is used for transportation of bulk materials from A to B by rotation of a screw (the auger principle). The material is transferred in a tube that ensures no spillage of material. The SC provides accurate dosing for instance into a crusher or a divider. The SC can also be used to transport relatively small volumes of reject material from sample preparation back to the mainstream.

What's the benefit?

The Screw Conveyor (SC):

- Can transport material in a dust-free manner and is weatherproof.
- Is easy to install and require minimal maintenance.
- Can operate from vertical to horizontal angle.
- Is, unlike other transportation systems, guaranteed to have no spillage of material or production of dust, due to closed transportation.

How does it do it?

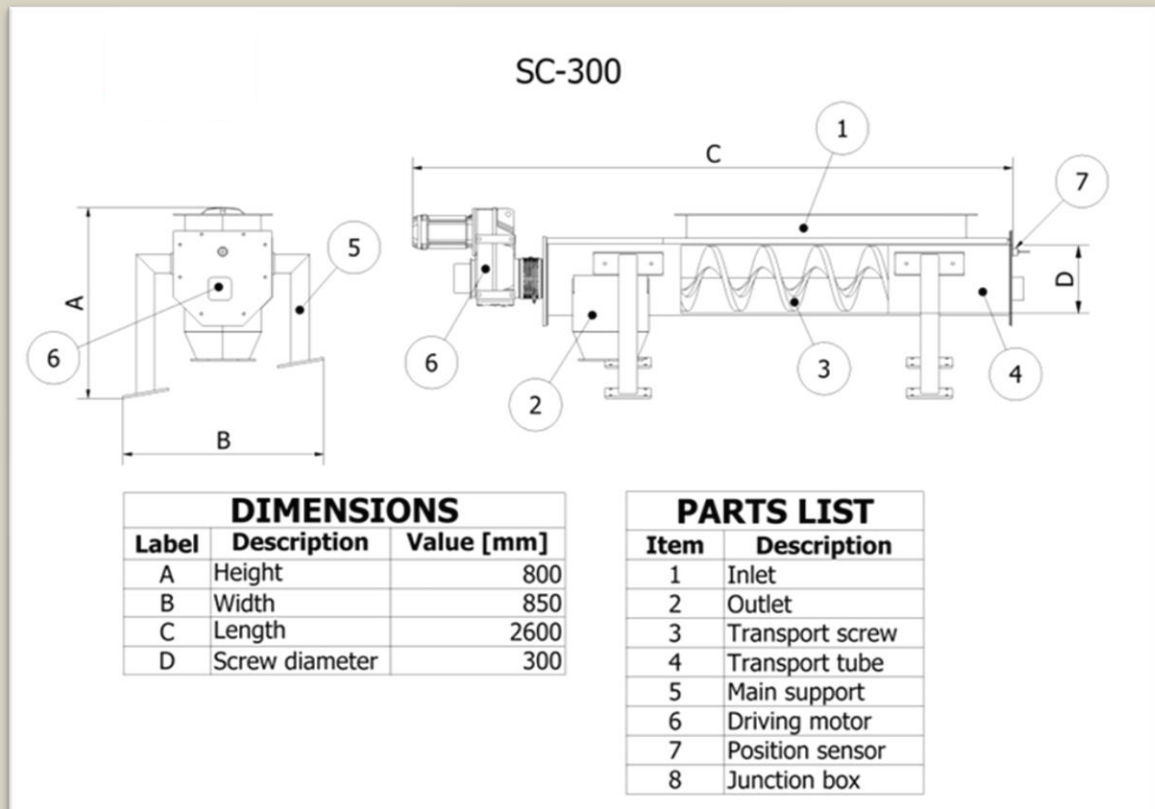
The SC consists of an inlet chute, a rigid outer tube, a screw mounted on a shaft, a geared motor and an outlet. The material enters in the inlet chute and is being transported by the screw blade to the outlet. The SC can transport material either horizontally or tilted upwards/downwards.

Specifications:

Drive unit:	Geared brake motor
Voltage:	400/230V-50Hz or as required
Sensor:	Rotation sensor
Length:	1 – 5 [m]
Housing:	Stainless steel/painted mild steel
Inspection hatch(es):	As shown on the drawing below
ATEX:	According to customer request

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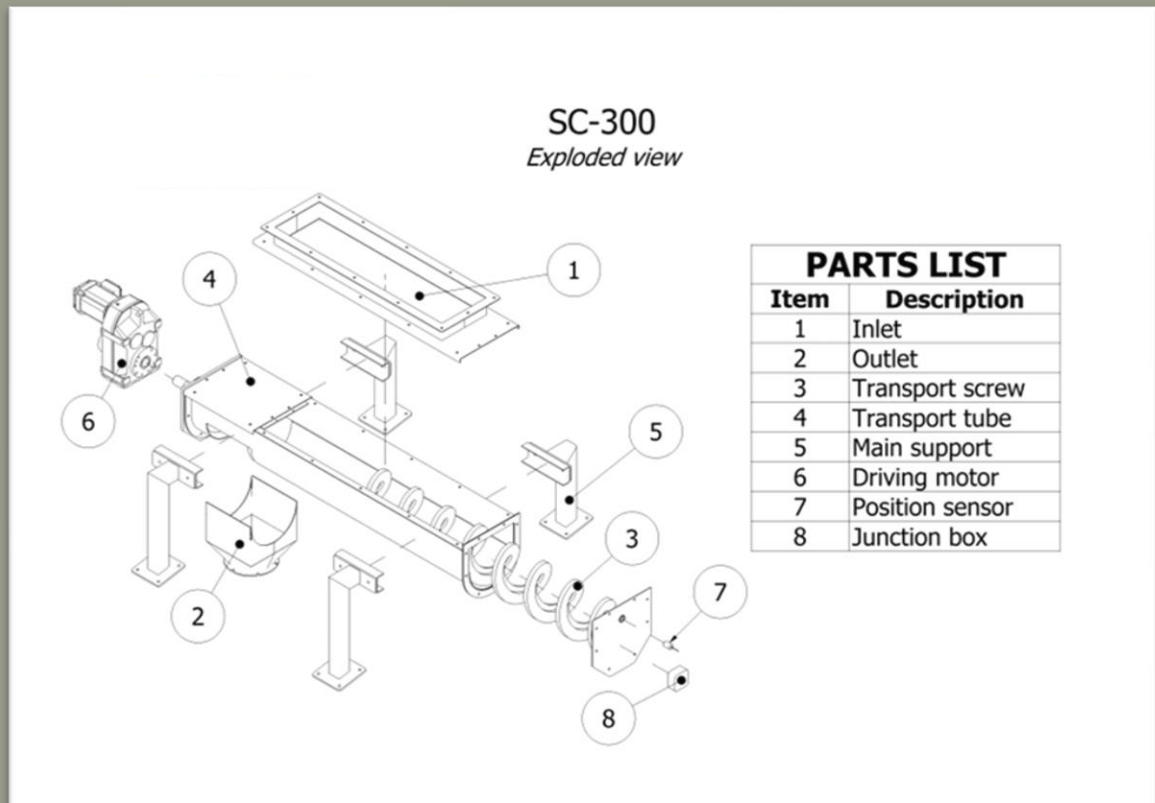
Dimensional Drawing

SC TYPES, DIMENSIONS AND WEIGHT					
Type	Height (A) [mm]	Width (B) [mm]	Length (C) [mm]	Screw Diameter (D) [mm]	Weight [kg]
95	300	200	3.000	95	150
109	250	300	5.300	109	150
200	400	350	5.550	200	250
320	1.000	450	7.050	320	350

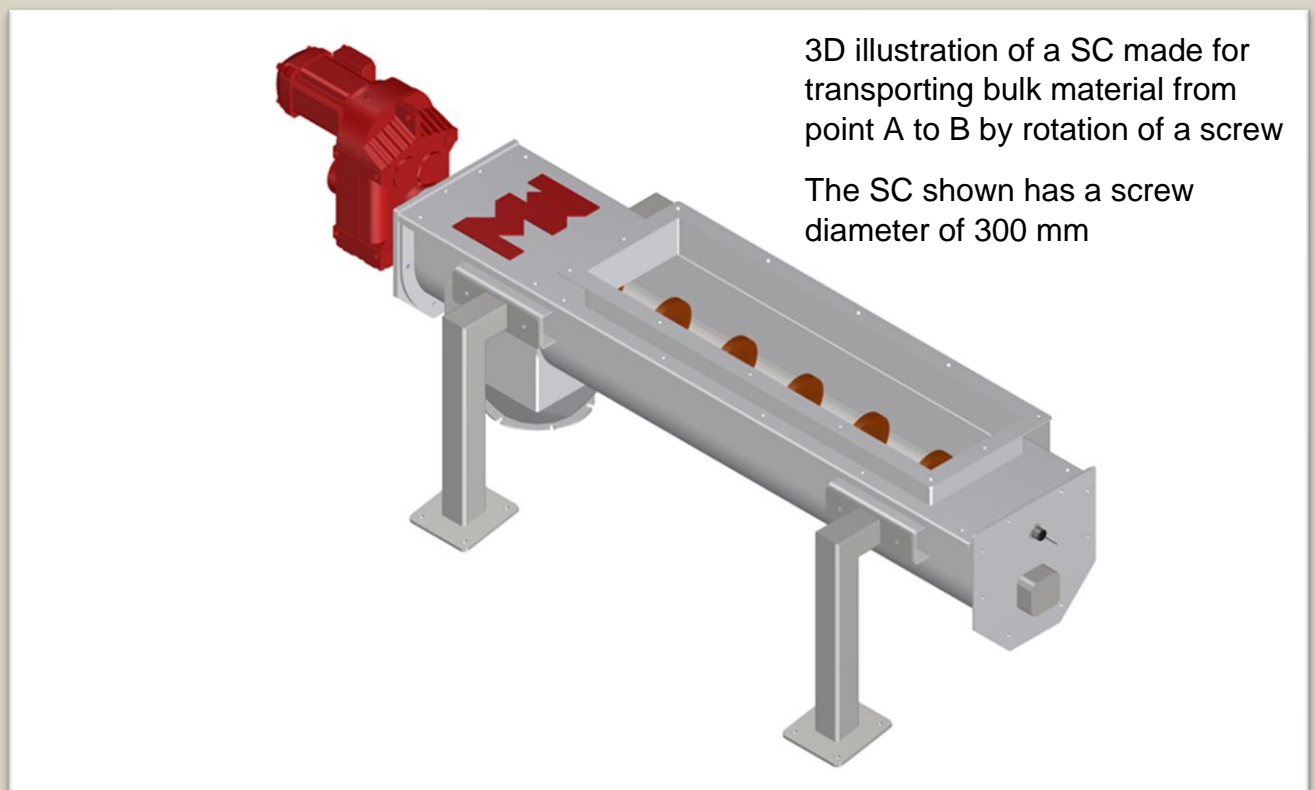
The table consist of indicative values from the previous projects

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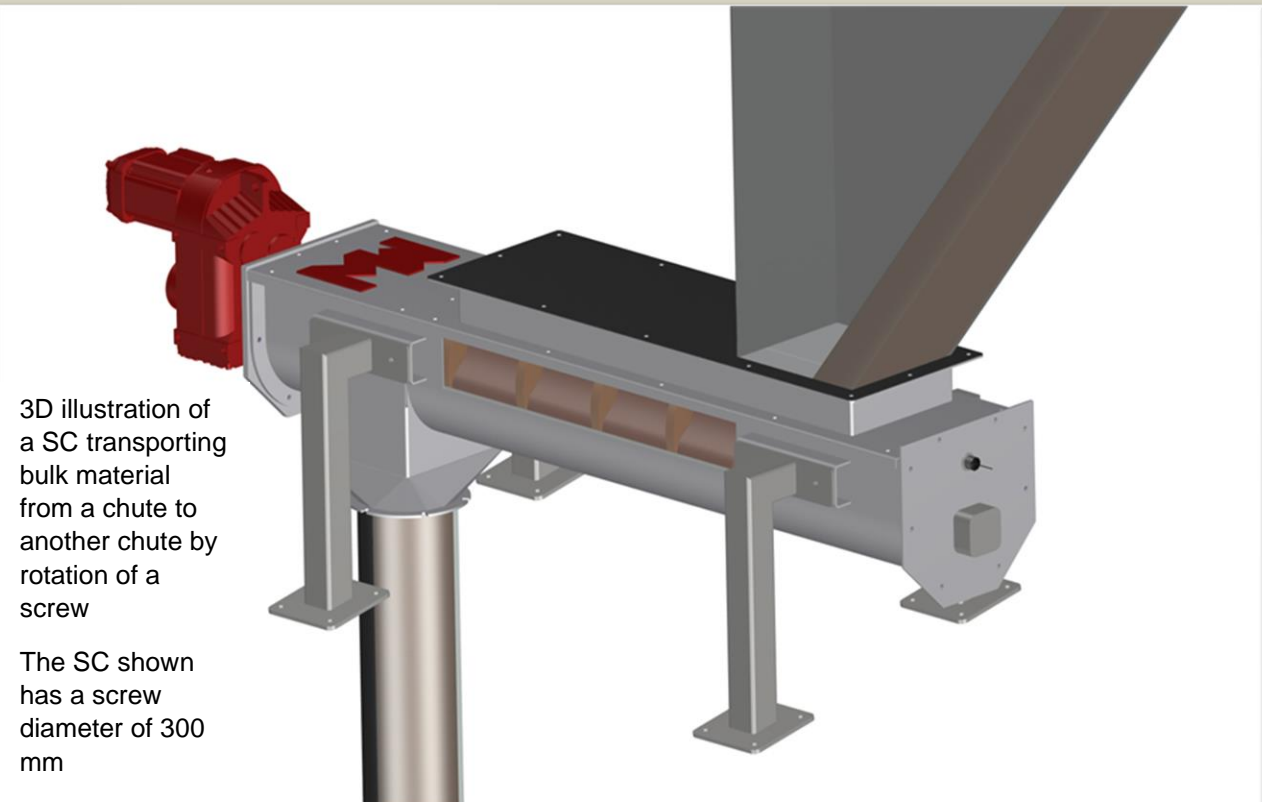
Exploded view



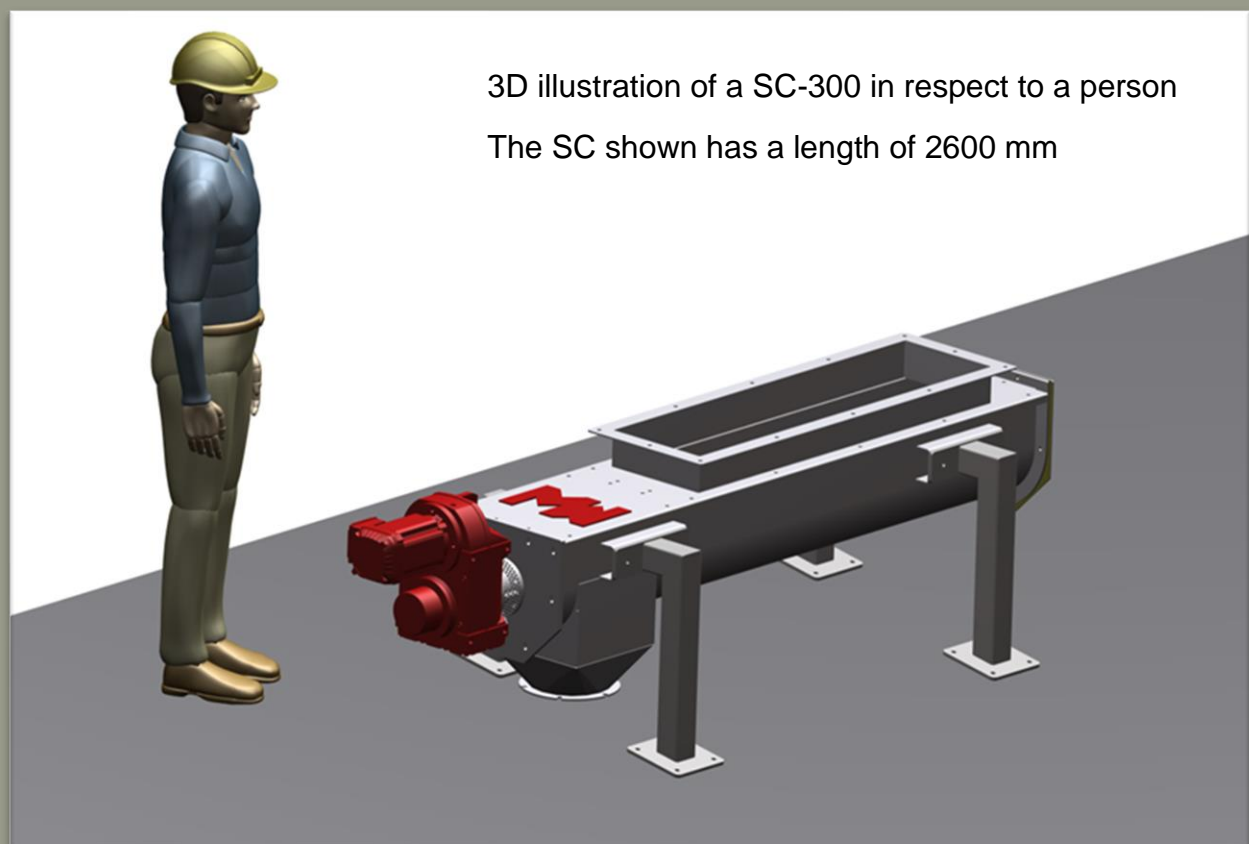
3D Drawing

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3D Drawing with Material



Illustrative drawing

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Variants/Options.

Option 1

The SC is also available in a ATEX version depending on requirement.

Option 2

The SC can be delivered in a precision version to ensure extraction of very fine particles.

Option 3

If necessary, in order to control the dosed amount of material, the speed can be varied by controlling the motor speed through a frequency converter.

Nota Bene

The screw may in some cases be designed sufficiently ridged to work without a shaft.



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What is the standard?

M&W JAWO Sampling equipment and sampling systems operate in accordance with approved international material standards such as ISO, ASME, GOST, EN as well as DS3077 (2013). All sampling equipment and solutions aim for compliance with the principles laid down in the Theory of Sampling (TOS) and gives our customers reliable knowledge of the material properties such as moisture content, particle size distribution, mineral proportions, and content grade essential for commercial, operational, and technical characterization.

About M&W.



Mark & Wedell A/S (M&W) is a global mechanical/electrical engineering and manufacturing company. M&W serves a solid and growing international customer base within the global mining-, minerals-, metals-, power generation- and big science markets.

We develop, engineer, and produce high quality mechanical and electrical machines, instruments, and solutions. Our brand JAWO and unique know-how is well recognized in our markets and among our customers due to more than 40 years of experience.

M&W JAWO



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