



The CY-SC tubular screw conveyor is a fully enclosed unit in which granular or powdery material is pushed by screw flights inside a sealed steel tube — no dust emission and capable of inclined conveying. It is particularly suited to cement and concrete admixtures (fly ash, silica fume), ready-mixed mortar (dry mortar, cement, additives), glass (calcium carbonate, soda ash, sand) and foundry (sand, bentonite) applications. Seven tube diameters are available, in powder-coated carbon steel or stainless steel, with a heavy-duty design for long service life.

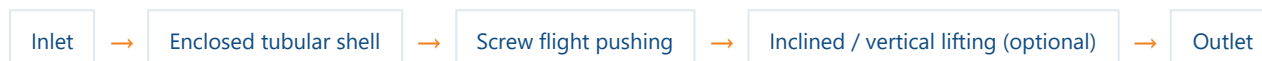
Construction: Tubular shell (flanged at both ends) + at least one inlet and outlet + centre-pipe screw flights + self-aligning shaft-seal bearings at both ends + hanger bearings + inspection opening + gear motor. A maintenance-free version is available, with the fully enclosed structure meeting demanding conditions.

Key Features

- ◆ Seven tube diameters, fully enclosed shell with no dust emission, for horizontal / inclined / vertical installation
- ◆ Modular design with standardized components — few spare parts, easy maintenance, highly expandable
- ◆ Screw flights fully welded to the centre pipe, connected by splined / bolted couplings
- ◆ Self-aligning shaft seal at the ends, with optional air-purge seal for dusty conditions
- ◆ Lifting lugs on each tube section for easy installation; inspection openings below the inlet and hanger bearings
- ◆ Optional variable-frequency speed control, wear-resistant flights and ATEX Zone 22 certification

Specifications

Model	Shell OD (mm)	Capacity (kg/h)	Speed (r/min)	Motor Power
SC-G100	108	20–500	24–132	0.75 kW
SC-G125	133	50–1000	24–132	1.1 kW
SC-G150	159	200–2000	24–132	1.5 kW
SC-G200	219	400–4000	24–132	2.2 kW
SC-G250	254	500–6000	24–132	2.2 kW
SC-G300	315	600–9000	24–132	4 kW



◆ Note: capacity depends on the working angle, length and material properties; table data is for reference only. Optional direct / chain / belt drive, variable-frequency speed control and quick-release inspection covers.