

Cement Screw Conveyor

Reliable enclosed conveying for cement, fly ash and similar dry powders.



APPLICATION VALUE

HUIGAO tubular screw conveyors provide a compact, dust-tight route between silos, weighing hoppers, mixers and other process equipment. The modular tube, helicoid flight, intermediate hanger bearings and application-matched drive make the product suitable for both conveying and controlled feeding duties.

BEST FIT FOR

- Concrete batching plants: silo-to-weigh-hopper cement and fly-ash transfer
- Dry-mix mortar and asphalt plants: filler and mineral-powder conveying
- Cement and building-material plants: enclosed powder transfer
- Custom process lines requiring inclined, horizontal or short vertical-lift conveying

WHY BUYERS SPECIFY IT

- Rigid steel tube construction with low external dust exposure
- Double-pitch flight design intended to reduce compression of material in transit
- Heavy-duty reduction gearbox with high torque and low-noise characteristics
- Selectable intermediate hanger bearings and end-bearing assemblies
- Ball-jointed inlet/outlet options simplify installation alignment
- Length, angle, inlet/outlet arrangement and drive can be engineered to the project

CATALOG SNAPSHOT

Selection diameters

Ø89, Ø114, Ø168, Ø219, Ø273, Ø323 and Ø407 mm

Common stocked diameters

Ø114, Ø168, Ø219, Ø273, Ø323 and Ø407 mm

Catalog reference capacity

1.3-170 t/h across the selection table; actual duty depends on material and layout

ABOUT HUIGAO

Established in 2004, HUIGAO develops and manufactures conveying, flow-control, drive, dust-control and silo-support equipment for concrete and dry bulk-material systems.

30,000 m2

site reported

180+

employees reported

60+

markets / areas reported

Continue for the complete selection table, evidence and enquiry checklist.

Select by duty, not model code

Catalog values are a starting point. Final selection follows material, layout and operating conditions.

SELECTION ITEM	CATALOG REFERENCE / BOUNDARY
Selection diameters	Ø89, Ø114, Ø168, Ø219, Ø273, Ø323 and Ø407 mm
Common stocked diameters	Ø114, Ø168, Ø219, Ø273, Ø323 and Ø407 mm
Catalog reference capacity	1.3-170 t/h across the selection table; actual duty depends on material and layout
Catalog length coverage	Below 1 m to below 15 m
Standard motor reference	3-phase, 380 V, 50 Hz, 4-pole, 1,450 rpm; alternatives configurable
Configuration	Drive, end bearing, hanger bearing, inlet/outlet and optional high/low-temperature packages

INFORMATION REQUIRED FOR SELECTION

- Bulk density, moisture, particle size and flowability
- Required mass flow and whether duty is conveying or metering
- Centerline length, inclination and number/location of inlets and outlets
- Start/stop frequency, upstream/downstream interlocks and available power
- Ambient/process temperature, abrasion and corrosion conditions



CONFIGURATION FOCUS

- Rigid steel tube construction with low external dust exposure
- Double-pitch flight design intended to reduce compression of material in transit
- Heavy-duty reduction gearbox with high torque and low-noise characteristics
- Selectable intermediate hanger bearings and end-bearing assemblies

HUIGAO confirms the final selection, interfaces and exclusions in the technical proposal.

Continue for company evidence, controlled claims and direct contact details.

Evidence for a controlled first selection

Product data, manufacturing context and quotation inputs kept clearly separated.



ABOUT HUIGAO

- HUIGAO has focused on mixing-industry supporting equipment since 2004.
- The official website reports a 30,000 m2 site, 180+ employees and coverage across 60+ markets or areas.
- Product ranges are configured by material, duty, geometry, power supply and operating environment.
- Catalog-listed project references are company-level evidence and do not imply that every product shown was supplied to every project.

WHAT TO SEND US

- Bulk density, moisture, particle size and flowability
- Required mass flow and whether duty is conveying or metering
- Centerline length, inclination and number/location of inlets and outlets
- Start/stop frequency, upstream/downstream interlocks and available power
- Ambient/process temperature, abrasion and corrosion conditions

Evidence controls

- HUIGAO catalog values remain reference values.
- External sources validate terms and generic applications only.
- No external specifications or certifications are transferred.
- Approved quotation and drawing govern the final supply.

2004

Established

30,000 m2

Site reported

180+

Employees reported

60+

Markets / areas reported

Request an application-matched proposal

Send the material, required duty, installation drawing and available utilities.



Phone: +8619310090600 | WhatsApp: +8619310090600

Email: loyosun@gmail.com | Web: vogomachine.com