



SPIRAL CONVEYOR DRYER

48⁺ Years
Of experience



In Association with SVCH-Technologii, Moscow (Russia)

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions



WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



To attain global recognition as the best of quality and environment-friendly engineering solution company.



Enhance the value of customer operation through our customer need centric engineering solution.



TRUSTED PARTNERS





Spiral Conveyor Dryer

Spiral Conveyor Dryer is a specialized industrial machine designed for the continuous drying of various materials or products in a controlled and efficient manner. The design of this type of dryer incorporates a spiral conveyor belt system, which facilitates the movement of the material through the drying process.

Everywhere that bulk materials need to be transported vertically, spiral conveyors are employed. These sturdy spiral conveyors can move a wide range of bulk materials from different manufacturing processes. These might be fragmented bulk solids or fine- to coarse-grained ones. The food, chemical, and pharmaceutical sectors as well as the raw material sector employ our spiral conveyors. Products can be processed by technical (drying) or thermal (cooling/heating) procedures with the use of extra fixtures. It is possible to move the bulk solids both up and down.

A particularly economical option is the spiral conveyor, which provides substantial heat exchange surfaces from a compact footprint thanks to its coils. An increasingly significant role is being played by a laser-welded version for these particular units, which provides maximum density in exchange for minimal heat intake during manufacturing processes (no welding strains to cause delays)

Features

- Fast, easy installation
- Easy Operating
- Controlled Pollution Level
- Energy saving
- Low cost of operation
- Easy Maintenance
- Highly flexible Design and Technology

Advantages

- Vertical conveyance that saves energy and space while being kind to the material.
- Low-maintenance ongoing functionality
- Sanitary and simple to clean design
- Long stay durations allow for the bulk solid to naturally cool throughout the conveying operation
- Bulk solids using spirals made of laser-welded Thermo plate bottoms or double bottoms that are cooled either directly by air or indirectly by water.
- Bulk solids heated and dried using air radiators directly, or indirectly using thermal oil or water and double bottoms or laser welding Bottoms of thermo plates as the spiral.

Construction

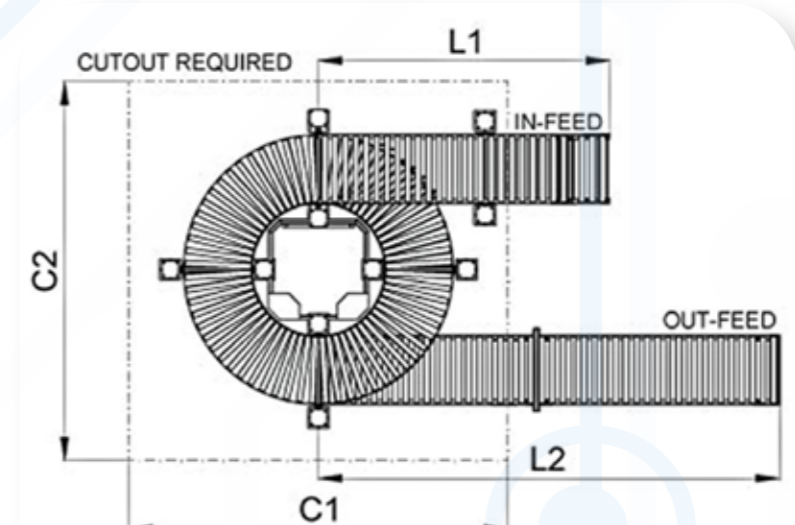
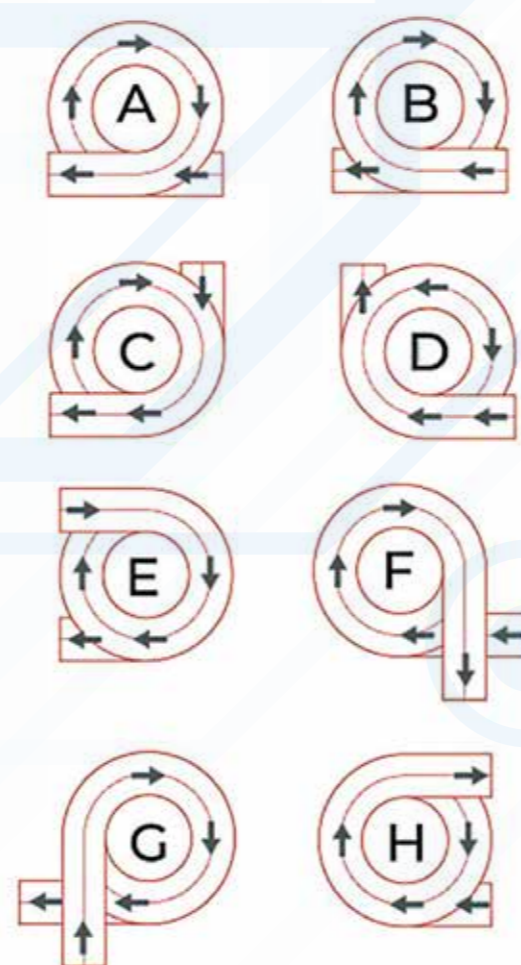
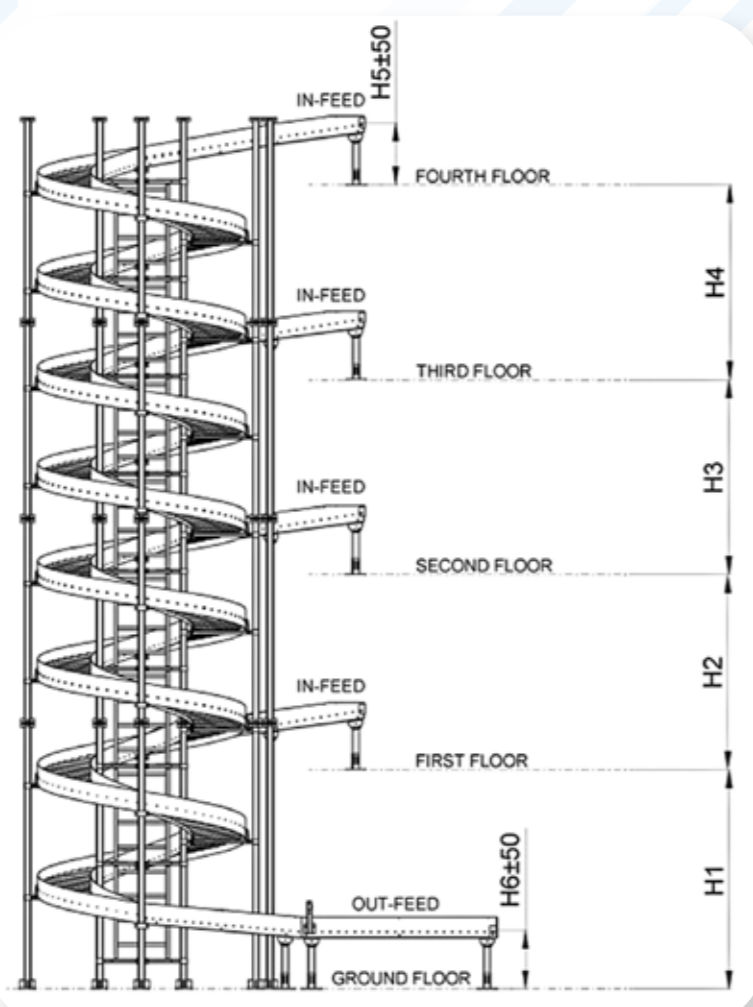
The principal elements consist of

- Spiral top with single or double bottoms made of regular stainless steel or special purpose steel.
- Version that can withstand intense heat (material temperature up to around 900°C) feasible upon request.
- Versions that are open or closed (closed variant with fixed housing or resonant cover).
- Upon request, variants with plastic injection and reinforcement for the infeed plate and spiral are offered.
- Driving gear with unbalanced motors (depending on the needs, the spiral conveyor can be operated with the drives at the top or bottom).
- Mobile or stationary version.

Technical Specification

Conveyor type	-	Gravity/Motorized
Conveyor direction	-	Up/Down
Capacity range	Kg	1-5000
Effectiveness	Pcs/hour	3000
Speed	Min	10-60
Size	Mtr.	Customized
Environmental Temp.	°C	0 ~ +80
Material Used	-	Mild steel/ Stainless Steel
Conveyor route	-	One entry multi exit /Multi entry one exit

Technical Diagram



SR. NO.	ANNOTATION	DESCRIPTION
1	L1	IN-FEED LENGTH
2	L2	OUT-FEED LENGTH
3	H1	FIRST FLOOR HEIGHT
4	H2	SECOND FLOOR HEIGHT
5	H3	THIRD FLOOR HEIGHT
6	H4	FOURTH FLOOR HEIGHT
7	H5	IN-FEED HEIGHT
8	H6	OUT-FEED HEIGHT
9	C1	CUTOUT LENGTH
10	C2	CUTOUT WIDTH



THANK YOU

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