SPiral Cooling Tower
SPIRAL COOLING TOWER

The Spiral Cooling Tower is the ideal equipment for the in-line cooling and freezing of products. The tower allows for the continuous, unmanned and automatic cooling of products.

The Spiral Cooling Tower is commonly used for the cooling of breads, cakes, dough, biscuits, pastries, other bakery products, sugar, milk, etc.

Introduction:
The Spiral Cooling Tower is equipped with layer by layer transmission technology, similar to that used in European technology. The gear motor drives a spindle which turns gears located on every layer of the cooling tower, the gears move the conveyor belt. Every gear has an intelligent power transmitter allowing for the adjustment of power for the conveyor.

Features:
1. Sided nylon conveyor link style belt is stable when in operation, and will not get stuck or upturn.
2. Every belt can adjust it's power automatically and keep the power equal because it has intelligent transmission technology. The speed is variable.
3. High strength nylon conveyor belt and low friction food grade pp guide rail. Machine has an automatic lubrication system so you do not need to add lubricating oil, and there is no need to repair or change any components for many years.
4. We can design different input and output directions according to customer's workshop area i.e. low input and high output; high input and low output; two inputs and two outputs; three inputs and three outputs; elliptic tower.
5. Spiral Cooling Towers save space with high efficiency.
6. Suitable for use with bakery products, vegetables, fruit, meat and fish etc.
7. To ensure the durability of the machine the frame is constructed of stainless steel 304 or 201 square steel tube.
8. Trough use spiral towers will have food debris, oil and other adhesions left on the belt. Our researchers have developed a high pressure automatic cleaning system which can complete cleaning work within 1-2 hours along with automatically drying the belt. We have three kinds: single tower, double tower or elliptic tower.
10. Belt conveyor can be include bends, slopes or spirals.

**Options:**
The following elements can be customised to meet customer requirements:
1. Material, length and width of the conveyor belt.
2. Height, diameter and quantity of layers in the tower.
3. In-feed and out-feed directions.
4. Shape of the tower (round, elliptic).
5. Material of the frame.
6. The brand of the reduction motor, bearing, inverter frequency device and screen.

**Information required:**
In order for a quotation, we require information such as:
- Product type
- Workshop area (space available for the tower)
- Production capacity (hourly)
- In-feed temperature
- Out-feed temperature

**Examples:**