



HAARSLEV™

Processing Technology

TUBE BUNDLE DRYER

Data sheet



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The Haarslev Tube Bundle Dryer is a compact steam dryer for the drying of biomass (sawdust, peat) and various protein-based feedstuffs such as fish meal and distiller's spent grains (DDG and DDGS) providing high evaporating capacity and consistent product quality.

DESIGN

The Tube Bundle Dryer is a contact dryer built as a rotating drum with internal lifting shovels and a heating surface which is designed as tubes bundles heated by steam.

The drying takes place when the wet product led into the rotating drum is lifted by the internal shovels and distributed over the steam heated tubes.

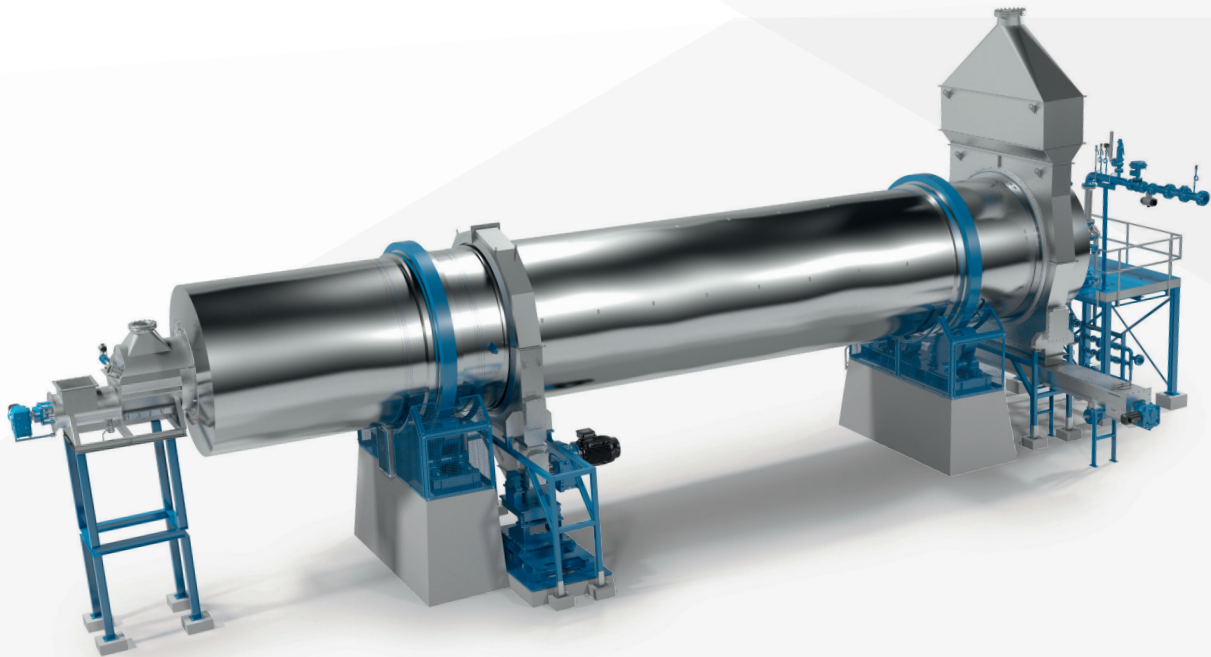
The product is conveyed by gravity within the dryer. The product is then blended and slid towards the outlet by the rotary movement of the dryer.



FEATURES

The Tube Bundle Dryer consists of the following:

- Drum and lifting shovels, which ensure that the product is distributed uniformly over the steam heated tubes during the rotation of the drum.
- Steam tubes and condensate system. The steam tubes are collected in a number of tube bundles. Each tube bundle consists of tubes and two end domes with connection for steam inlet and condensate outlet. The steam tubes are supported by baffles.
- The Tube Bundle Dryer is supported on boogies consisting of rollers suspended in bearings. The boogies are mounted to give the dryer an inclination from the inlet to the outlet of the tube dryer.
- The wet product enters the drum through an inlet housing, which is sealed to the drum in order to prevent leaking air from entering the dryer.
- The dried product is discharged at the opposite end of the product inlet by the freefall from holes located around the shell. The outlet housing is sealed to the rotor by means of a lip seal and equipped with covers through which inspection and cleaning can take place. A horizontal extraction screw for the dried product is placed below the outlet housing.
- The drive station consists of a gear motor mounted directly on the supporting rollers.



TECHNICAL SPECIFICATIONS

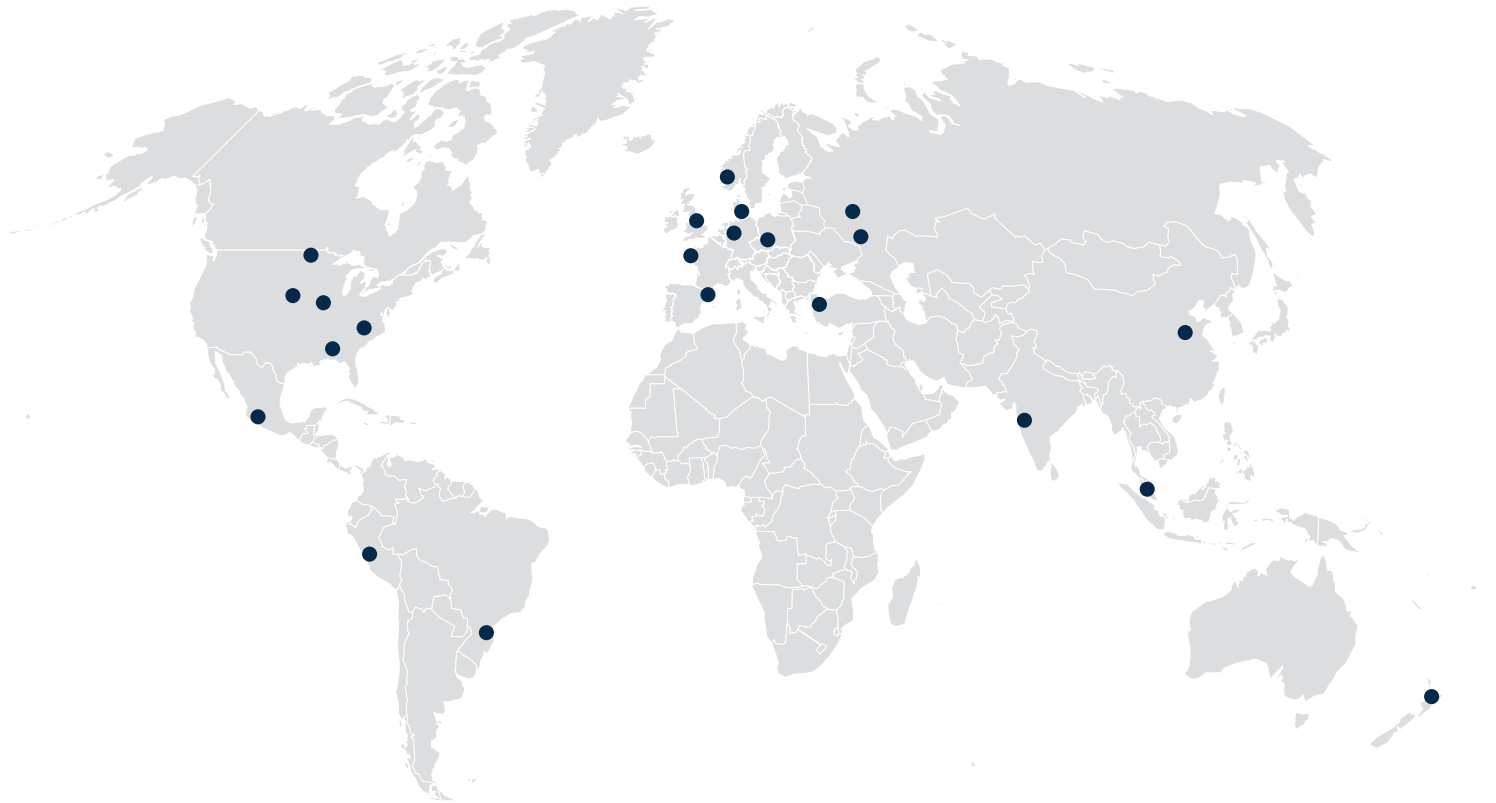
TYPE	HEATING SURFACE (m ²)	WEIGHT (Tonnes)	MOTOR (kW)
RTD 3115-15	794	77	90
RTD 3118-18	951	81	90
RTD 3518-18	1312	98	110
RTD 3522-22	1601	112	110
RTD 3922-22	1901	151	160

We reserve the right to alter the specifications at any time without prior notice.



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MASTER YOUR PROCESS

HEAD OFFICE

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