



GENERAL INFORMATION

Vandenbroek International is a worldwide provider of turn-key dryer installations, with a broad experience in the drying of many kind of products. The Vandenbroek Thermo-Kinetic Drum dryer has proved to be a reliable method of drying, specially for long size materials.

The dehydration process takes place in the special MPS rotary drum, which is equipped with the "Multi-Pass-System", a dehydration process that allows for a greater residence time of the product in the rotary drum, thereby achieving best efficiency and capacity.



Schematic view inside drum

All dryers comply with the latest guidelines for safety and environmental protection, using innovative solutions, such as the VADEB CDD sludge dryer system.

THERMAL KINETIC TECHNOLOGY

VADEB® air drying systems : ROTATING RELIABILITY

Since the invention of the VADEB® Multi-Pass-System in 1948, Vandenbroek International has delivered more than 600 drying plants world wide and has a proven track record on almost every kind of wet product. The VADEB® convective dryer systems stand for a high performance and long life time. From small scale equipment supplies to large scale turn-key solutions, VDB understands that no product is the same, and every project asks for a tailor made solution.

Convective air dryer systems are the preferred technical solution for many kind of products, that need to be processed in continuous flow without failures and without damage of the product structure nor overheating.

VADEB®'s design makes use of it's advanced Thermal Kinetic Technology, resulting in a perfect balance between aerodynamics and heat transfer. No matter what heat source, whether fossile fuel, biomass or waste heat, with the advanced Thermal Kinetic Technology, VADEB® creates the best thermal efficiency for your drying system.



VANDENBROEK International

www.vadeb.com

when drying is part of your business

VADEB[®]'s advanced Thermal Kinetic Technology is available for many product applications:



Agricultural drying

- Green crops, mais, cereals, pulp, DDGS
- Multi-Pass System drum dryers DX-400 to DX-5000 from 4.000 to 50.000 L/H evaporation.
- Fibre length from 3 cm up to 20 cm
- Output in pellets, cubes, fibre bags or fibre bales



Sludge drying

- Primary sludge , secondary sludge, (non) digested
- Multi-Pass System drum dryers RS-120 to RS-3000 from 1.000 to 20.000 L/H evaporation
- Heat treatment in compliance with EPA 503 standard
- Output in hard granule shape 2-4 mm



Bio-solids drying

- Saw dust, wood chips, shavings, straw, green waste
- Multi-Pass System drum dryers BD-400 to BD-5000 from 2.500 to 30.000 L/H evaporation
- Input chip size up to 20 x 10 x 4 mm
- Output in pellets or briquettes



Municipal waste drying

- RDF fractions, organic waste, digestate waste
- Multi-Pass System drum dryers WD-800 to WD-1500 from 3.500 to 6.000 L/H evaporation
- Input waste size from 25 up to 100 mm
- Output in bales, pellets or fluf

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VADEB[®]'s specialised team of engineers at your service for:

- **Pre-investment assistance**
- **Basic / Detailed engineering**
- **Procurement / Contracting**
- **On-site assembling / Construction**
- **Commissioning / Start-up**
- **Spare parts supply**
- **Maintenance / Inspection**

