

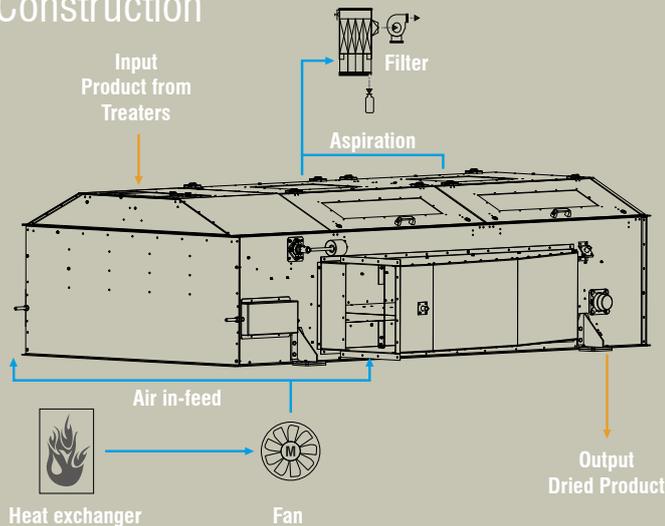
## Belt Dryer DB 150

### *Gentle and flexible drying after coating*

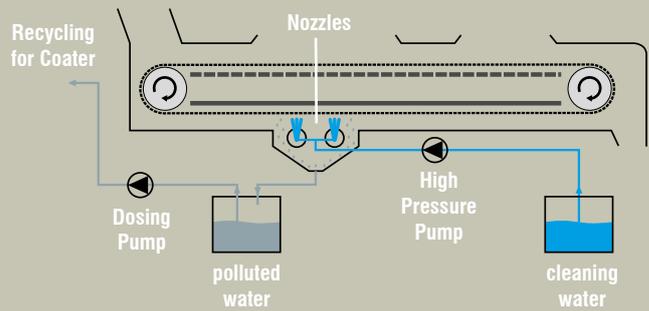
The PETKUS Belt Dryer unites drying effectiveness with quality results. An ingenious air flow solution allows for highly efficient, yet gentle drying. The integrated belt cleaner reduces manual labour and eliminates cross-contamination with materials such as chemical residues.

The new PETKUS belt dryer is a performance boost for high value seed. Gentle and efficient drying guarantees that quality remains quality.

## Construction



## Cleaning Diagram



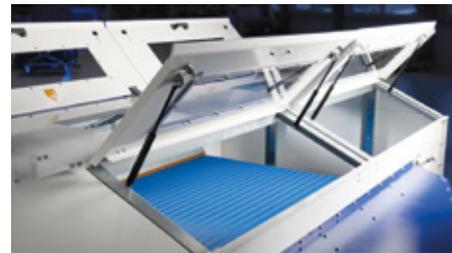
## Working Principal

The PETKUS Belt Dryer was developed to gently and flexibly dry seed after chemical treatment. During the coating process large amounts of liquid are sometimes sprayed leading to moisture pick-ups of up to 5%.

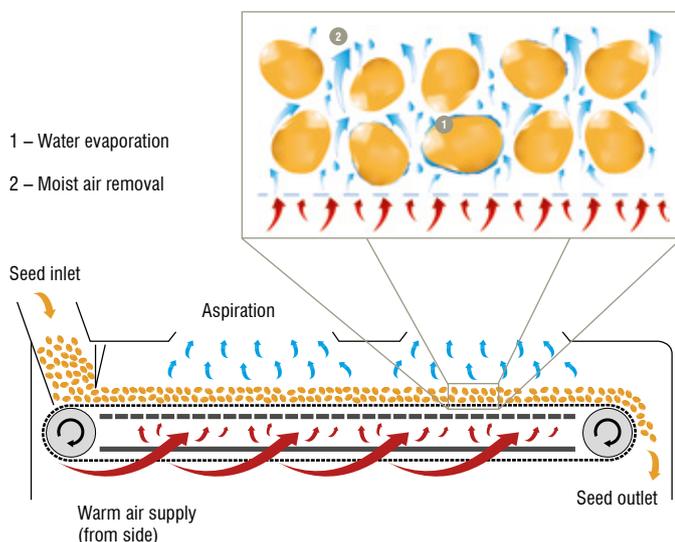
Fluctuating weather conditions or high humidity also influence moisture content thus making seed drying an inevitable step to preserve germination capacity and improve sowability/flowability.

Warm air is fed from the side through 2 hot air channels by 2 separate fans allowing air to flow through the product homogeneously from below. The temperature can be individually regulated. Four temperature sensors allow for optimal monitoring and control of the drying process thus preventing product from overheating and preserving germination capacity/vigour.

The PETKUS Belt Dryer ensures that desired optimal residual moisture levels can be realized. Warm air flows through the fluidized product and absorbs moisture as water evaporates from the surface of the kernels. The moist air then flows onward through the air outlet.



Gas pressure springs allow for easy opening of the 4 viewing windows so that the drying process can be monitored and the machine also easily cleaned.



## Key Properties

- Preserves germination capacity & improves flowability
- Efficient & gentle drying
- Individual temperature control
- Variable product flow speed
- Temperature sensors for continuous monitoring and control
- Reduced abrasion and improved Heubach values
- Integrated automatic belt cleaning (optional)
- System for recycling used water

## Technical Data

Capacity	t/h	up to 20
Air Volume	m <sup>3</sup> /h	21.500
Drying area	m <sup>2</sup>	4
Length	mm	3350
Width	mm	2940
Height	mm	950