



## Roller Dryer

For potatoes and tuber vegetables



- All metal parts in contact with product are made of stainless steel
- High quality synthetic felt with high drying efficiency and low wear
- Solid and wear resistant construction

## Roller Dryer

In the Roller Dryer, the wet potatoes are dried on rotating rollers covered with synthetic felt. The flow of produce follows the continuous supply principle, i.e. the tubers are propelled forwards by the flow of following tubers.

The extremely absorbent and wear resistant, special synthetic felt mounted on the rollers absorbs the water, which is then pressed out again by counter-pressure rollers fitted on the lower side of the dryer. These are kept clean and dry with an adjustable plastic wiper which prevents re-moisturizing of the felt. The tubers are "drip-dry" after roller drying.

The guide panels and the solid, height-adjustable base frame are made of stainless steel. The tubers only come into contact with felt and stainless steel. The pedestal bearings are protected against splash water with a triple sheet metal reinforced rubber seal in the outer ring. In addition, the axles are fitted with two labyrinth rubber seals. The contact pressure can be adjusted individually via compression springs.

Drive is provided by several geared motors protected against splash water, whereby the number of motors depends on the length of the machine. Each motor drives several rollers via a dual chain drive. The dual chain drive minimizes wear on the chains and makes the need for a chain tension adjuster obsolete. Upon request, the first rollers can be fitted with brushes for better removal of parings, germs and foreign matter. As an option, a spraying device can be mounted over the brush rollers. A manual or electrical emptier is possible as additional equipment.

A water collection tray for the separated water can be fitted as an option. This can be connected to a process water recycling system so that the entire wet processing only requires a minimum of fresh water.

### Accessories and special versions

- Water collection tray
- Manual or electrical emptier
- Protection cover with spray pipe over the brush rollers



Roller dryer with electrical emptier and protective cover with spray pipe

Article number	Designation	Working width [mm]	Length [m]	Number of rollers	Power input [kW]	Drying throughput [t/h]
024.110.000	WT 1,000 - 7	1,000	1.18	7	1 x 1.1	7
024.160.000	WT 1,000 - 10	1,000	1.68	10	2 x 1.1	10
024.200.000	WT 1,000 - 13	1,000	2.13	13	2 x 1.1	13
024.260.000	WT 1,000 - 17	1,000	2.73	17	3 x 1.1	17
024.370.000	WT 1,000 - 24	1,000	3.78	24	4 x 1.1	25
024.164.000	WT 1,400 - 10	1,400	1.68	10	2 x 1.1	14
024.204.000	WT 1,400 - 13	1,400	2.13	13	2 x 1.1	18
024.264.000	WT 1,400 - 17	1,400	2.73	17	3 x 1.1	24
024.374.000	WT 1,400 - 24	1,400	3.78	24	4 x 1.1	34
014.000.010	WT 2,000 - 10	2,000	1.68	10	1 x 2.2	20
014.000.017	WT 2,000 - 17	2,000	2.73	17	2 x 2.2	34
014.000.024	WT 2,000 - 24	2,000	3.78	24	3 x 2.2	50

The data for drying performance are based on a machine without brush rollers. If brush rollers are used, the drying performance is reduced accordingly.