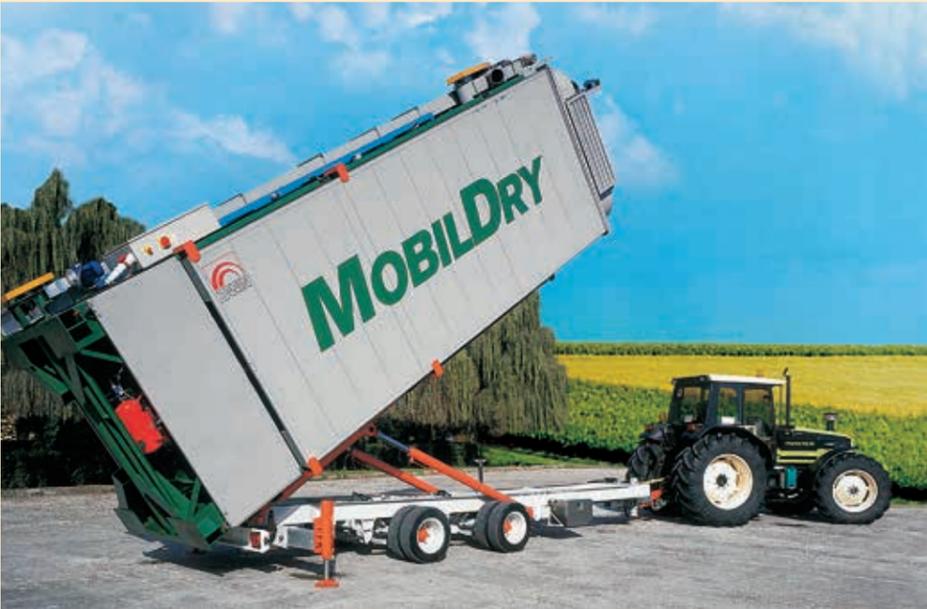


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MOBILE DRYER MOBILDRY SERIES

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RESELLER



agroindustry

MOBILDRIY MOBILE DRYER

FUNCTION

Continuous

THE DRYING COLUMN is formed by an elevator loading an upper hopper and number of modules with internal ducts immersed in the cereal, which descends by gravitational force, with mixed and crossing current movement. The cereal is hit by a counter current of hot air in the upper part and a flow of environment air in the lower part (cooling), which then exits in the atmosphere. The quantity of cereal exiting is predetermined and regulated by a pneumatic extractor. Then the product is collected in an unloading hopper and sent to a second elevator.

Recycling

THE DRYING COLUMN is formed by only one elevator for charging and discharging which supplies the upper hopper and a number of modules with internal ducts immersed in the cereal, which descends by gravitational force, with mixed and crossing current movement. The cereal is hit by a counter current of hot air in the whole drying column and the product is dried recycling in continuous till he reach the right moisture. On this time the burner stops and the product will be cooled with the only ambient air, which then exits in the atmosphere. The quantity of cereal exiting is predetermined and regulated by a pneumatic extractor. The product will be collected in a discharging hopper and conveyed with the same elevator.

COMPONENTS

AIR DUCTS

The sandwich panels that form the air chambers are made from mineral wool both in the hot air component and in the hot saturated air component. This avoids the formation of condensation and mulch inside the chamber.

The walls are smooth both inside and outside. Versions are: Aluzinc - Galvanized - Painted in various colors - Aluminium - Stainless steel 304. The inside of the dryer is built to accept reinforcing standards and galleries with a rung ladder for checking and maintenance.

FANS

For drying, with maximum attention to details, the depression system is the most suitable because of dust containment. Every dryer is equipped with a fan of fan or fans, fixed or variable blade axial type, having various diameters to fully exploit the machine yield with less consumption. ZANIN F.LLI makes use of technologically advanced marks in the European fan sector to optimize the characteristics of their products.

HOT AIR GENERATORS

There are heating groups for drying:

- direct fire
- indirect fire
- Diathermic oil or steam batteries.

Fuels used are:

- methane gas
- GPL
- gas oil
- dense oil
- biomass

Types of burners are:

- pressurized (gas oil, dense oil, gas)
- air vein (methane gas, GPL)
- special burner for various types of fuel

ELECTRICAL PANEL

The dryer has electronic equipment with PLC management. Electromechanically equipment upon request.

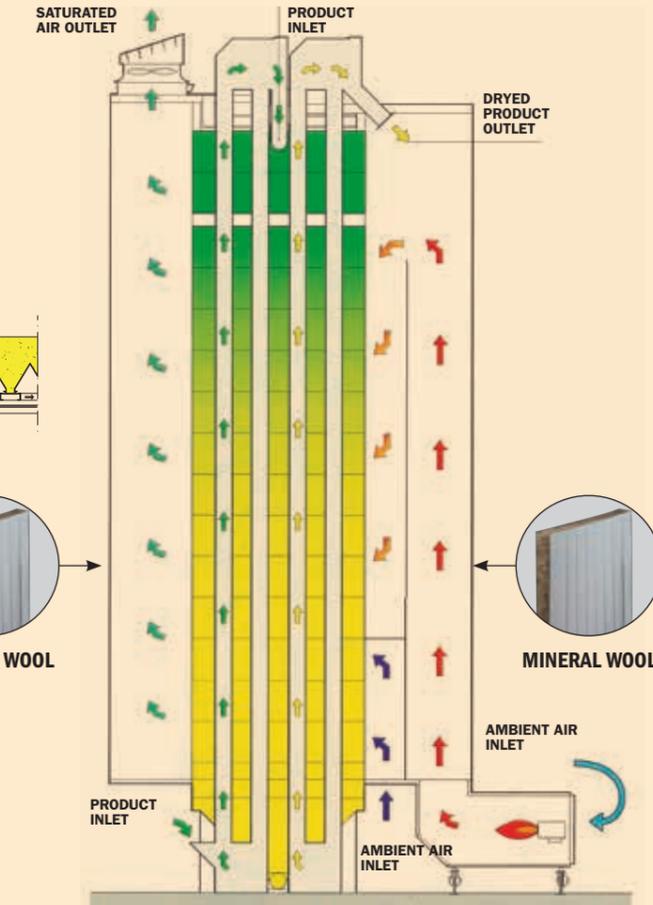
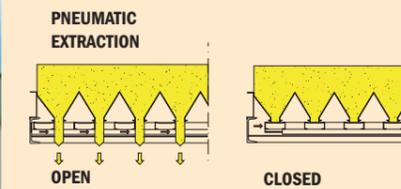
BUCKET ELEVATORS

The dryer has 2 loading and unloading bucket elevators that can fit dust exhaust attachments on the heads.

- 01 - Dryer ready for operation
- 02 - Dryer ready for transportation
- 03 - Movement with loading crane
- 04 - Charged on truck
- 05 - Dryer with slow cooling system
- 06 - Pre-cleaning
- 07 - Electrical control panel
- 08 - Natural gas burner
- 09 - Gas oil burner



Example of module with product descent by gravitational force with mixed, crossed movement and counter current hot air flow



MOD.	CONTENTS PS 0,75		WHEAT from 20% to 14%	MAIZE from 35% to 14%	MAIZE from 28% to 14%	DIMENSIONS mt.			
	m ³	Ton	CAPACITY t/24h	CAPACITY t/24h	CAPACITY t/24h	LENGHT CLOSED	LENGHT OPEN	WIDTH	HEIGHT
MOB. 10	23,00	17,2	187,2	76,8	103,2	2,50	4,40	3,10	9,30
MOB. 16	34,00	25,5	295,2	139,2	187,2	2,50	4,40	3,10	12,30

Indications are calculated under the following conditions:
 - Ready and cleaned seeds, dried by 24 hours
 - Dryer supplied with natural gas.
 Please consult in every case technical scheme.

N.B. The company declines all responsibility for any inaccuracies in this brochure, reserving right to make any modifications to their product as they feel appropriate.