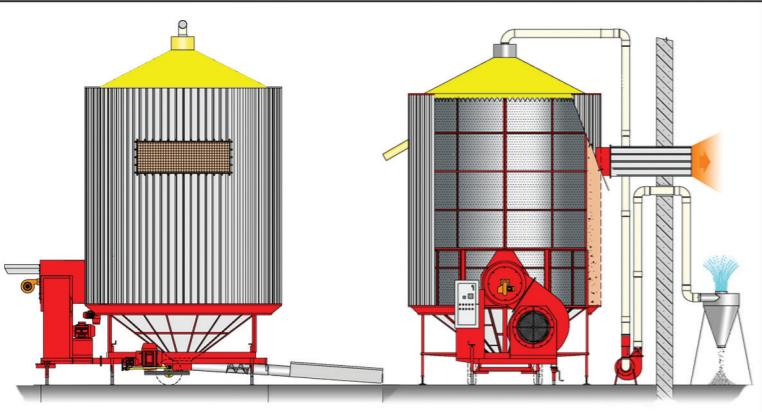


GRAIN DRYERS

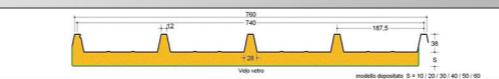


SINCE 1958



OUTER INSULATION

The dryer is completely covered by a Unitem external insulation, made in non-hygroscopic and self-extinguishing polyurethane. The dust is extracted in two complementary ways: through the dust extractor head on the top and through a circular auger placed at the bottom of the dryer. All of them convey the dust to external cyclones.



DUST AND WET AIR OUTPUT

All the dust collected by the dryer is sent outside the building in several cyclones, leaving the work place perfectly clean and tide. The outlet of exhaust and wet air is pushed as well through an outer conveyor.

PEDROTTI TWINSKIN 500 TECHNICAL DATA

BATCH CAPACITY

Tons wet Paddy 45 (75 m³)

AVERAGE DAILY OUTPUT

24h in tons Rice from 20% to 14% min. 68/ max. 90

The average daily out-put is largely depending of the kind of rice to be dried.

FUEL CONSUMPTION

Liters per ton of maize from 28% to 14% approx 15

Kcal per liter of water evaporated approx 900

BURNERS

Diesel, Automatic triple stage (Gas as option)

Caloric power Kcal/h max. 1.000.000

Centre Auger 360 mm, capacity tons/h 65

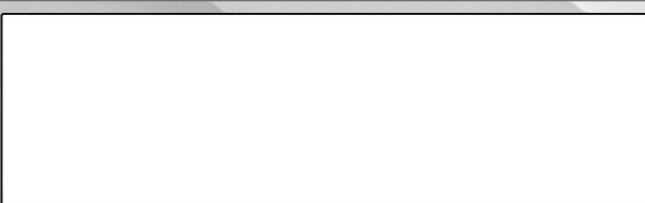
Filling Auger 250 mm, capacity tons/h 90

POWER REQUIRED

N.B: All performance figures are largely depending of the ambient temperature, relative air humidity, maturity and cleanliness of crops to be dried.

Model electric drive - Mains supply line of kW 50

Size main electric motor	(kW)	(HP)
- fan	22.5	30
- central auger	30	40
- filling auger	11	15
- dust extractor	2.2	3
- burner	0.75	1



GRAIN DRYERS



SINCE 1958



TWINSKIN 500

SPECIAL MACHINE FOR RICE AND WHEAT
ANTI-DUST COVERED

PEDROTTI

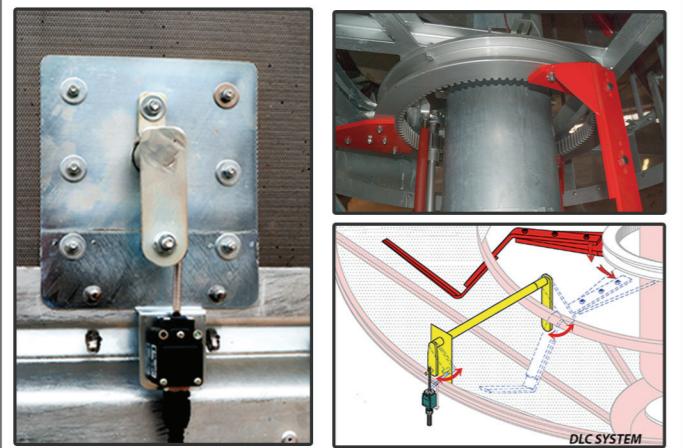


PEDROTTI

GRAIN DRYERS



SINCE 1958



PEDROTTI HEAT EXCHANGER

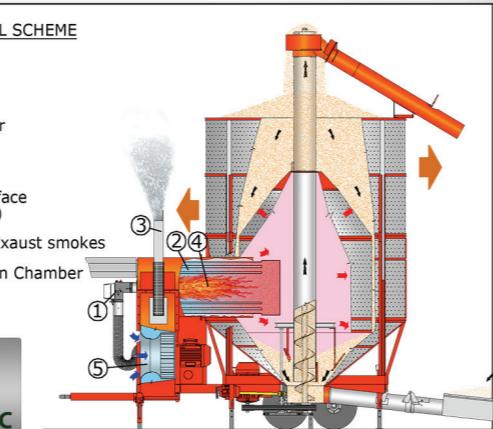
Pedrotti Heat Exchanger (only suitable for diesel) is completely constructed in INOX AISI 304 and 310. The best material for the best performance. No more combustion residuals for a completely clean and organic dried crop.



OPERATIONAL SCHEME

- ← Crop
- Cold Air
- ↑ Hot Air
- ↑ Saturated Air

- ① Burner
- ② Radial Surface (Inox Pipe)
- ③ Chimney Exhaust Smokes
- ④ Combustion Chamber
- ⑤ Fan



ULTRA-STRONG TOOTHED GEARS AND AGITATORS WITH DLC

Pedrotti uses ultra-strong internal gears and agitators to resist the extreme strain produced by a high level of moisture in the crops. Furthermore, in order to prevent the risk of overheating, the drier is equipped with a permanent Driving Line Control (DLC) safety system, an efficient mix of mechanical units matched with an electronic board.



STANDALONE ELECTRIC PANELS

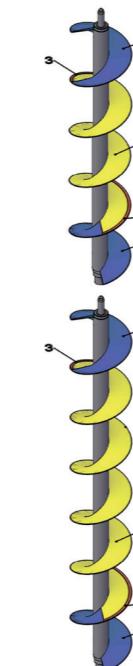
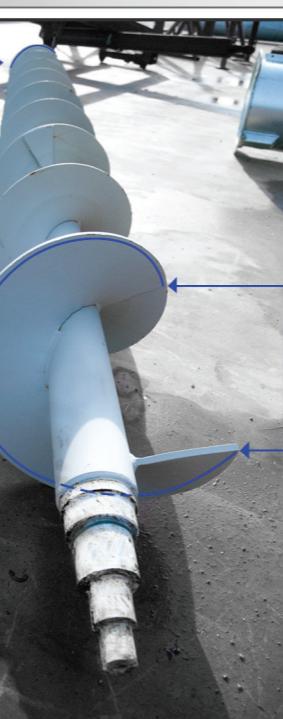
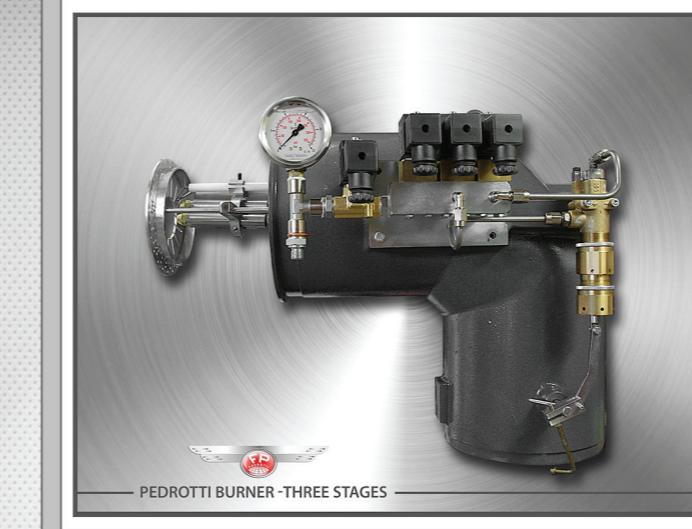
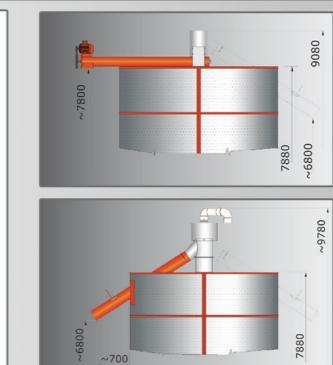
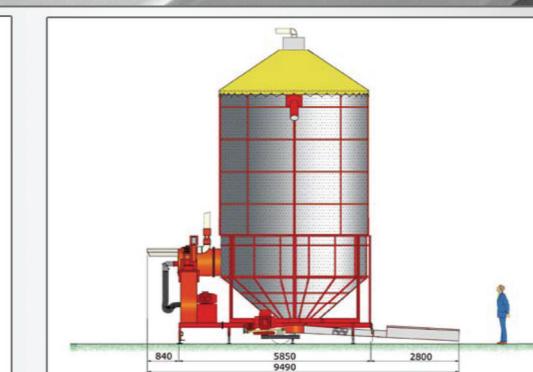
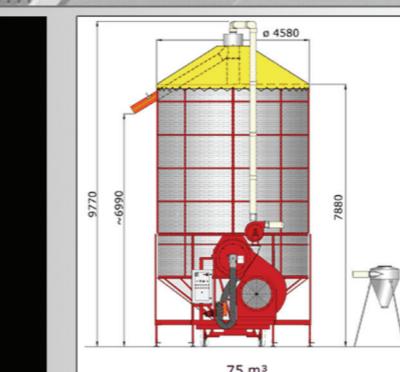
For this giant model Pedrotti uses **external** standalone electric panels, and proposes the advanced Touch Screen as an optional to ensure a fully automated system.

No more buttons.

No more human presence needed around the machines during the working process. Just select your settings and decide the number of batches you want. Suitable also for the installation in a separated building, instead than near the dryer when the place of work needs to be clean and comfortable.



TECHNICAL DIMENSIONS



PEDROTTI TRIPLE STAGE DIESEL MODULATING BURNER

The "modulating" operation under the control of a PLC unit enables the burner to work from minimum to maximum delivery **fully automatically** until complete switch off and renewed automatic switching on, if necessary.

This system makes it possible to use the dryer with different products requiring varying and very different drying temperatures, **without needing to replace the burner nozzles**. This operation is generally considered difficult and critical by those using the dryer.

When burners have a "modulating function", the operator has **only to set the drying air temperature on the control panel** for the cereal that he wants to dry.

SPECIAL CENTRAL AUGERS

Instead of increasing the thickness of the central augers, which would increase also the required power of the motor and the electricity consumptions, Pedrotti prefers to use **more hard and noble metals**.

Pedrotti dryers have central augers with three different zones (see the picture on the left)

1. Hardox steel segment, thickness 8 mm, 425 min. / 475 max. HBW (Brinell Hardness).

2. Standard carbon steel thickness of the spiral foot is 12 mm and thickness of the spiral ridge is 6 mm.

3. Weld bead on the ridge for one turn around the auger.

POWER REQUIRED 30 Kw
DIAMETER 360mm
CAPACITY 65 Tons/h

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