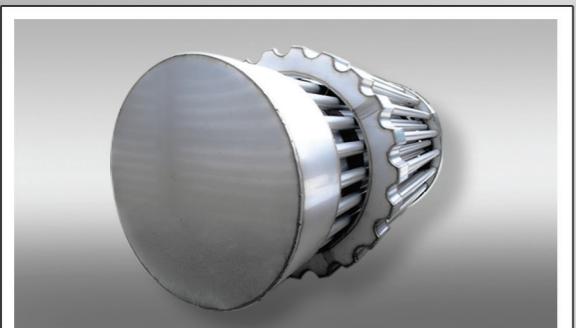


HEAT SAVING COMBUSTION CHAMBER FUNNELS

Pedrotti uses special designed combustion chamber funnels to ensure that each calorie produced by the burners goes directly inside the crop, without any heat waste. The air coming from the fan divides in two different flowlines, producing a **natural isolation** of each internal chamber funnel.

No heat dispersion means fuel saving. The outside of the funnel remains always cold, and the user can touch it with bare hands without any burns.

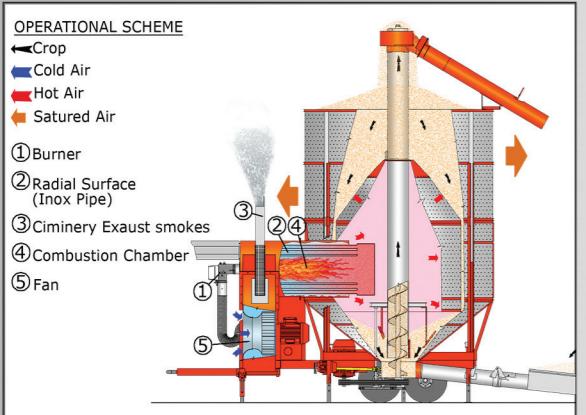


PEDROTTI COMPACT HEAT EXCHANGERS



This special machine is equipped with an oil burner matched with a compact **heat exchanger**, therefore using a high-tech indirect fire system.

Using the heat exchanger assures a **nonexistent degree of combustion residue contamination**, ensuring a top quality dried crops.



Pedrotti has been producing machines equipped with heat exchanger **since the beginning of the 90s**, before its usage became mandatory in many countries.

The modern design, the compact structure, the employment of **very precious materials** in order to **optimize the heat performance**. Pedrotti Heat Exchanger is completely constructed in INOX AISI 304 and 310. The **best material for the best performances**.

PEDROTTI SUPER 220 TECHNICAL DATA

BATCH CAPACITY

Tons wet maize 22 (31 m³)

AVERAGE DAILY OUTPUT 24h in tons

Maize from 25% to 14% 88

Paddy from 22% to 14% 36

POWER REQUIRED

Electric drive with mains supply line 40 kW

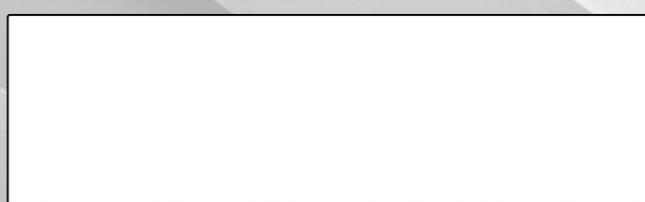
Pto drive - Tractor min. size of HP 80

BURNER

Diesel, Automatic triple stage

INDIRECT FIRE - Caloric power Kcal/h max. 650.000

DIRECT FIRE - Caloric power Kcal/h max. 950.000

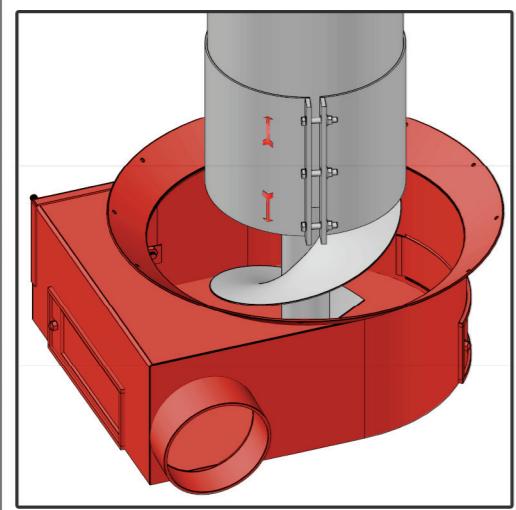


SUPER 220

INDIRECT FIRE

SPECIALLY DESIGNED FOR 20' FEET CONTAINERS





GALVANIZED CENTRAL AUGERS ADJUSTABLE COLLARS

The collar on centre auger tube consents to suit different crops and moistures very easily. Lifting it up or down it is possible to adjust it according to your specific needs.



ULTRA-STRONG TOOTHED GEARS AND AGITATORS

Pedrotti uses ultra-strong internal gears and agitators to resist the extreme strain produced by a high level of moisture in the crops. Pedrotti agitators are designed in three different sizes, permitting a homogeneous and fluid movement of the crops and maintaining a perfect mixing of the cereals inside the dryer.



GALVANIZED AUGERS TUBES

Pedrotti uses for its augers tubes, a Carbon steel C430 (S275J10 EN 10025-2:2004), 4 mm of thickness before being fully galvanized. By total galvanization, we give an additional thickness of 1 mm and therefore a longer life.

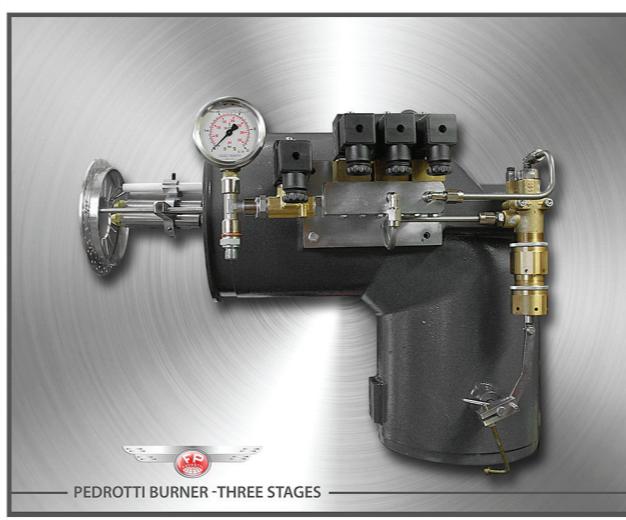


ICORENE® TANKS

Pedrotti uses special 100% ICORENE® 1613 BK85 tanks. This premium quality black powder has been used in the production of diesel fuel tanks on tractors, harvesters, trucks, buses and many more vehicle types.

This material reduces drastically the risks of fuel explosion according to the CE dispositions, while metal tanks can produce internal sparks in cases of external shocks that can result as an ignition of the fuel.

Furthermore ICORENE® grants the absence of condensate in the tanks during cold months and then the security of the perfect conditions of the fuel, that is not possible to have with metal tanks.

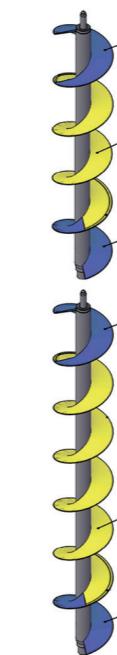
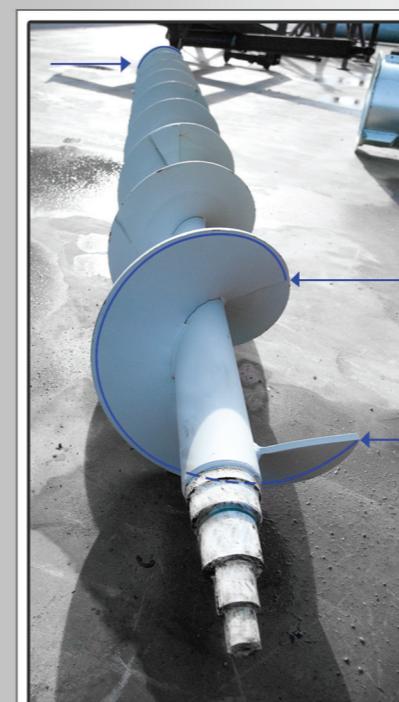


PEDROTTI TRIPLE STAGE MODULATING BURNER

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.

CENTRAL AUGER SPECIFICATIONS

DIAMETER	350 mm
CAPACITY	65 Tons/h

TECHNICAL DIMENSIONS

