



IPIAC NERY
SINCE 1855



RENEWABLE ENERGIES BIOMASS



Since 1855 that our company designs and manufactures, with great success, machines and complete plants for the red clay ceramic industry to worldwide.

Besides this standard equipment, we develop projects and we manufacture equipments interconnected to the renewable energies, as the biomass, such as: solid fuel burners, heat generators and rotary dryers with several diameters and lengths, for the drying of forest, fruit and horticulture products and by-products.

We also manufacture box feeders, charging hoppers with belt conveyors, structures, tanks and hammer mills.

This plant is based on the principle of continuous drying in a rotary dryer with direct passage of the combustion gases inside. These gases are forced by the ventilator, thus proceeding to the raw material drying. The solid fuel burner provides the necessary combustion to the drying process. The growing interest in the use of vegetable wastes (wood chips, sawdust, olive pomade, wastes of pine, cork scraps, rice and almond shells, coal, etc) led us to manufacture burners for several outputs and which could use any solid fuel duly granulated.

Advantages of Biomass as energy

Renewable resource

Low cost fuel used in industry and housings

High reliability and performance of devices

Valorization of forest, horticulture and fruit products and by-products

Issue without CO2



CHARGING HOPPER



MANUFACTURE



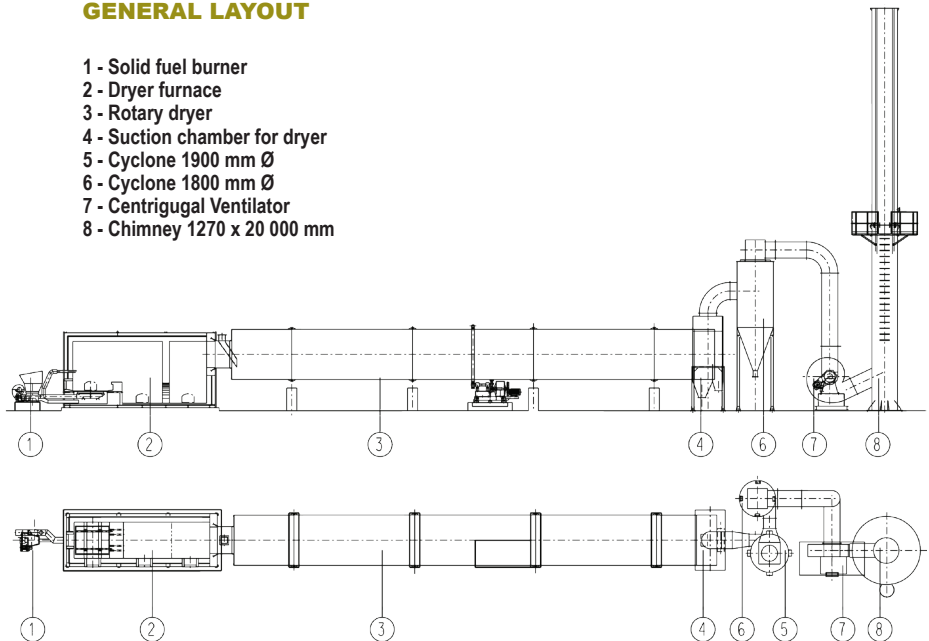
Our solid fuel burners are essentially composed of: charging hopper for fuel, endless screw conveyor which conveys the fuel to the burning zone, pipe for the arrival and raising of fuel, module of cast iron grids, ventilator and pipes for the connection to inferior and superior parts of grids and set of driving with 2 independent drives (one for the endless screw conveyor and the other for the ventilator).



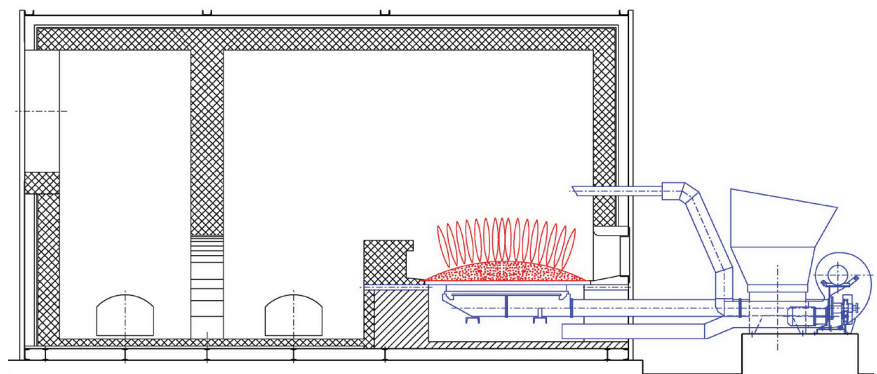
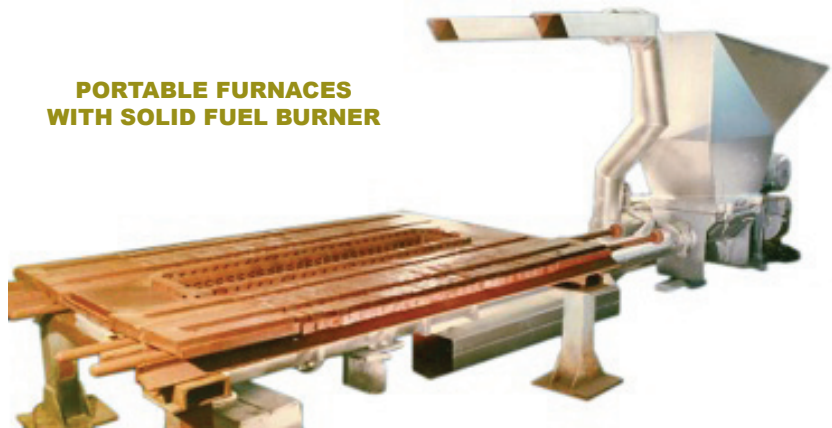
SOLID FUEL BURNER FOR HOME AND SWIMMING-POOL USE

GENERAL LAYOUT

- 1 - Solid fuel burner
- 2 - Dryer furnace
- 3 - Rotary dryer
- 4 - Suction chamber for dryer
- 5 - Cyclone 1900 mm Ø
- 6 - Cyclone 1800 mm Ø
- 7 - Centrifugal Ventilator
- 8 - Chimney 1270 x 20 000 mm



PORTABLE FURNACES WITH SOLID FUEL BURNER



The most advanced way of using the biomass is by the pellets and briquettes, coming from the use of the sawdust derivate from the wood industry. After having dried and processed the sawdust, an uniform and reliable fuel is obtained with controlled values of density and moisture.

PELLETS

It can be done!
by



IPIAC-NERY

Tel. +351 249 819480 Fax: +351 249 819489
Rua Manuel da Costa Nery s/n P.O.Box 41
2350-448 Torres Novas (Portugal)
E-mail: nery@ipiac-nery.com | www.ipiac-nery.com

IPIAC, SA

Tel. +34 916 907 548 / 916 907 649 Fax: +34 916 907 598
Carretera de Villaviciosa a Pinto, km 16,500 - Apdo. 3
28946 Fuenlabrada (Madrid-España)
E-mail: ipiac@ipiac-nery.com | www.ipiac.com

IPIAC BRASIL

Tel. +55 1938-761079 Fax: +55 1938-763418
Rua Nicolau Von Zuben 200
Cx Postal 34 SEP 13280
VINHEDO-SP (Brasil)