

Combustion Plants Developed by CAPACCIOLI

Thanks to the exclusive use of the most modern technologies which allow a control of the pressurization process, heating and fuel pulverization, CAPACCIOLI/IT makes available on the market lateral and ceiling burners with controlled ignition able to operate even with high density fuel oils (heavy oil).

The characteristics common to all combustion plants built by CAPACCIOLI are:

- technological innovation
- maximum efficiency
- emissions control
- assurance environmental protection
- low fuel consumption.

The wide range of CAPACCIOLI burners for the ceramic industry is composed of:

- burners for industrial kilns operated with liquid fuel, compatible with heavy, light and Diesel oil, available in different power and for all applications in the ceramic industry:
 - high-speed lateral burners with flame control
 - high-speed ceiling burners with flame control
 - autoignition burners for the combustion zone
 - high-pressure mechanical pulverisation injectors for the combustion zone;
- burners for gas-fired industrial kilns, compatible with natural gas, propane, LPG, and coal gas:

CAPACCIOLI s.r.l.
53048 Sinalunga (Siena)
Italy

E-mail: mec@capaccioli.com
www.capaccioli.com



Fig. 1 Gas combustion plant installed on a tunnel kiln



Fig. 2 Oil fuel gasifier burners

- high-speed lateral burners with flame control
- high-speed ceiling burners with flame control
- autoignition burners for the combustion zone;
- burners for kilns fired with solid fuel, compatible with charcoal and biomass, available in different power and for all applications in the ceramic industry:
 - autoignition burners for the combustion zone
 - head burners specifically designed to optimize combustion.

CAPACCIOLI also offers solid fuel grinding and distribution systems as well as electronic dosage control systems.

The Italian company also supplies different types of heat generators:

- direct heat generators for gas fuel for dryers and thermal rooms, compatible with natural gas, propane, LPG, and coal gas, available in different power and for all applications in the ceramic industry;
- direct heat generators for liquid fuel used for dryers and thermal rooms compatible with heavy, light and Diesel oil, available

in different power and for all applications in the ceramic industry;

- indirect heat generators and exchangers for liquid fuel, used in dryers and thermal rooms, compatible with heavy, light and Diesel, available in different power and for all applications in the ceramic industry;
- direct and indirect heat generators for solid fuels, including solid fuel grinding and distribution systems as well as electronic dosage control systems as well as head burners specifically designed to optimise combustion. The generators are compatible with charcoal and biomass, and are available in different power and for all applications in the ceramic industry.



Fig. 3 Oil fuel indirect heat generators for dryers

(Figs.: CAPACCIOLI)



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You have 8 good reasons to choose New Condor™ Dryer:

- Specific electrical consumption up to 8 kw/h by fired Ton
- Low initial investment cost
- Kiln recovery
- Simple construction
- Easy use and maintenance
- Low energy consumption
- Versatility and production quality
- Suitable for every type of fuel



Improve your production with New Condor™ Dryer

CAPACCIOLI s.r.l. - Via Piave, 51 - 53048 Sinalunga (Siena) - ITALY
Tel +39 0577 679296 - commerciale@capaccioli.com - www.capaccioli.com



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