

Solid fuel firing system



The Ceratec Solid Fuel Firing System is an automatic firing system composed of a hopper, a distribution plate and burners (6 to 12 per distributor).

General characteristics

The functioning principle of the distribution system is extremely simple and needs no maintenance or replacement of spare and wear parts.

The most important characteristics of the system are its robustness and reliability, extreme simplicity to install and ease of operation.



heavy clay solutions
a business unit of Ceratec

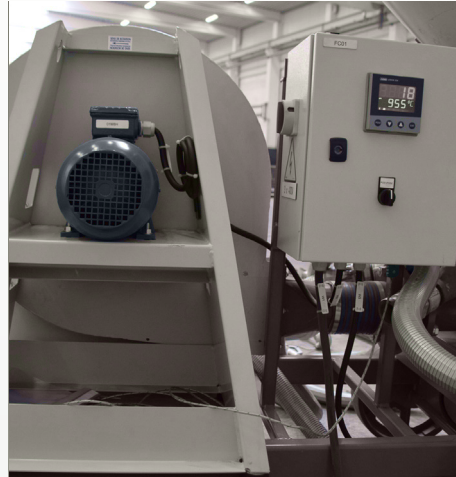
 **CERATEC®**
IT'S ALL IN OUR POWER.

Firing

The firing temperature is carefully selected for each distributor and its functioning is fully automatic thanks to a temperature measuring probe and a small regulator fixed in the electrical board.

The whirl burners allow an optimal combustion of the fuel. Their special design permits a perfect and even temperature right across the kiln section.

By adjusting the pressure and flow of combustion air arriving in the burners - thanks to a valve - it is possible to obtain a higher temperature at the bottom of the piling than at the upperpart, and vice-versa.



The solid fuel firing system works with any type of solid fuel or vegetal waste, including:

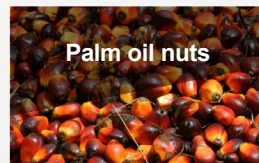
Solid fuel

To reach the most suitable grain size distribution (between 2 and 6 mm), some of these solid fuels have to be crushed.

Ceratec can advise you on the correct techniques and supply the adequate crushing equipment.



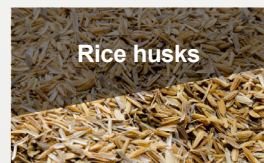
Mining coal



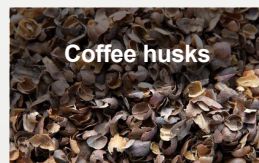
Palm oil nuts



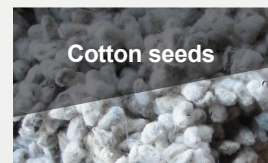
Charcoal



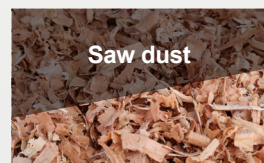
Rice husks



Coffee husks



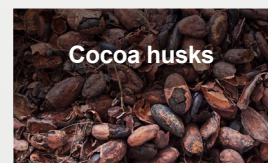
Cotton seeds



Saw dust



Groundnut shells



Cocoa husks

Additional equipment

Additional equipment such as storage silos, endless screws and intermediary hoppers for a fully automatic storage, transportation and feeding of the distributors with fuel can be supplied by Ceratec.



Mobile and static

Solid fuel firing system

The solid fuel firing system by Ceratec can be either mobile (for a Hoffmann or rectangular kiln) or static (for a tunnel kiln).



References

Mobile burning group:

Nature Brique (Benin)
KCM (RDC)
Kwilu Briques (RDC)
Amegerwa (Rwanda)
Helico (Tchad)
TCB (Mali)

Static burning group:

Sofamac (Senegal)
Briqueterie de Ploegsteert (Belgium)
BMK (Guinée)

The Ceratec Group

Ceratec is an experienced integrating and engineering business. We are active as an innovative solutions partner and offer turnkey solutions in 3 domains:



heavy clay solutions

a business unit of Ceratec

electrical installations

a business unit of Ceratec

handling & intralogistics

a business unit of Ceratec



100%

family-run
business since 1986



operating in
27 countries
worldwide



520
employees



100
mil. €
business turnover