

VAS Energy Systems International GmbH

Industrial development, production and maintenance of industrial cogeneration plants from 2 to 25 MW.

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inspiration for clean energy®

Biomass Plant La Roche-en-Brenil Reference



Plant to supply hot gases directly into drum-dryer

As part of an investment for a total new pellet production facility (Brenil Pellets SAS), company Rettenmaier (JRS) was looking for the most efficient technology available for powering its drum dryer by using the waste wood of sawmills.

VAS offered JRS an innovative technology, based on outstanding hot gas quality, directly taken from the combustion process. With this technology, VAS was awarded to deliver the furnace and combustion technology and won a tender process of several international bidders.

VAS furnace and combustion control is designed for firing directly the drum dryer of pellet production without any heat exchange process inbetween. Thereby VAS design takes care of low emission limits for CO and organics as well as dust. VAS developed an integrated thermal post-combustion for this specific application and guarantees requested emission limits.

Technical Data

Thermal input	11,0 MW (fuel)
Thermal output	10,5 MW (hot gases)
Fuel	wood waste of sawmill industry
Permission	TÜV Pressure Equipment Directive 2014/68/EU



Scope of Supply by VAS

Fuel feeding by hydr. Ram feeder
Furnace
Economiser
Ash desposal by wet ash conveyor
Plant and Combustion control system

First delivery of heat

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