

Power Plants Process Equipment



Biomass Thermal Power Plant Kronospan I

Reference Sheet





» Biomass fired power plant with grate firing technology«

The CHP supplies heat (hot water, 140°C) and electricity to the internal grid of a chipboard production site. The reciprocating grate boiler is fired with bark and other residues from chipboard production. Additionally, waste wood fractions can be fired at a reduced live steam temperature.

To meet the local environmental standards, an SNCR system and a dry flue gas cleaning system with Ca(OH)2 injection are supplied. The CHP is designed to run fully automatic following the heat demand of the site. Depending on the conditions of the raw materials, this can vary from 60 - 100%.

BERTSCHenergy has supplied this plant as a turn-key solution including the heat distribution on site. Only the civil engineering was provided by the client.

TECHNICAL DATA

>>	Thermal power nominal	27,8 MW
>>	Electrical power nominal	8,1 MW
>>	Steam flow (MCR)	46,6 t/h
>>	Steam pressure	67 bar (a)
>>	Steam temperature	470° C
>>	Fuel	Wood and bark, waste wood AI-AIII

SCOPE OF SUPPLY

- » Turn-key solution
- » Grate firing and deashing system
- » Steam boiler
- » Steam turbine with generator
- » Balance of plant
- » Flue gas treatment with stack
- » Fuel storage and feeding system





