Product use

Spanner wood cogeneration plants generate electricity and heat from natural wood chips. Especially for users with a high demand for electricity and heat, wood cogeneration plants are an economic way to supply energy and is, of course, good for the environment.

- Highly efficient use of wood energy through the cogeneration of heat and electricity
- Operation with cost-efficient, natural wood chips
- Savings thanks to the self-provision of electricity
- Revenues from power input

Company profile

The Spanner Re² GmbH is the leading manufacturer of small, decentralized wood cogeneration plants. The plants have already been tried and tested a hundred times all across Europe. In addition, the company produces several thousand biomass heating systems every year and offers complete systems for the drying of wood chips. The Spanner Re² GmbH is part of the Spanner Group, an owner-operated group of companies with over 400 employees.

References

Spanner wood cogeneration plants have proved themselves already a hundred times over many years of continuous and for various applications such as agriculture, forestry and local heating networks.

Highly efficient use of wood energy through the cogeneration of heat and electricity

Operation with cost-efficient, natural wood chips

Savings thanks to the self-provision of electricity

Revenues from power input

Your local partner:

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Spanner wood cogeneration plants
Electricity and heat generated from wood

Your local partner:
The Spanner wood cogeneration plant

The Spanner wood cogeneration plant consists of the Spanner wood gasifier and the Spanner combined heat and power unit (CHP).

The Spanner wood gasifier is based on a process designed by the inventor Bernd Joos. The heart of the plant, the so-called reformer, produces in a controlled process pure wood gas from natural wood chips. The CHP is operated with the wood gas. The heat generated during the process can be used for the heating of buildings, for drying plants or local heating systems. The generated electricity will preferably be consumed by the owner or fed into the network and then be paid for.

**Technical data:**

- **Name of model:** HK 30, HK 45
- **Electrical power:** 30 kW, 45 kW
- **Heat power:** 73 kW, 108 kW
- **Wood chip consumption:** 30 kg/h, 45 kg/h
- **Wood chip consumption** for 7,000 operating hours: 180 t, 270 t
- **Wood chip quality:** Size G30 to G40, Max. moisture content: 13% (ideal: < 8%), Max. fines (< 4 mm grain size): 30%
- **Electrical output:** 400 V / 50 Hz
- **Heat output:** Max. 85°C / max. 60°C
- **Dimensions:** Wood gasifier (LxBxH): 5.272 x 1.540 x 2.300 mm, CHP unit (LxBxH): 2.600 x 924 x 2.196 mm

*Depending on the quality of the wood chips

We will gladly determine your personal benefits from the use of a wood cogeneration plant for your application. Please do not hesitate to contact us:

**Support hotline:** + 49 (0) 8773 707 98 - 288

For further information, go to: www.holz-kraft.de