



PRODUCT CATALOG

Warmth for your place...



TOPLING - The warmth for your place / home

HIGH TECHNOLOGY, NATURAL RESOURCES, EXPERTISE WITH A VISION FOR THE FUTURE

- Own development and high technology
- Build-in components of leading manufacturers
- All boilers have 5 year guarantee on mechanical parts and 2 year guarantee on electronic components
- Present on the EU market and more
- High qualitative materials applied
- Tested at established European institutes (TGM Austria, HETAS Great Britain, SZU Institute Czech Republic)
- Constant development of new and improvement of existent technologies

ECOLOGICAL AWARENESS

Topling Company carries out activities for the environment protection which are in accordance with legislation. It also controls the factors that can have a decisive influence on environment. Topling Company uses methods, materials and products which are in accordance with the allowed impact and burden on environment.

EFFICIENCY

Topling invests into modern technology of production, improvement of work/product quality and in innovative cost reduction. The goal and the result of the investments is the satisfaction of our buyers who can expect quick and efficient profitability of their investments. Furthermore, a long life expectancy of the products and the equipment is assured. The business philosophy of the Topling Company includes permanent development and usage of high quality materials/spare parts from the beginning of the work process to the testing of the products. This is the basis on which the company's good name and business success are built. It all comes down to the satisfaction of the buyers and consumers.

Business is based on and adjusted to all high productive standards:

ISO 9001 / ISO 14001 / ISO 18001

PRODUCTION PROGRAMME

1. Pellet boilers (residential, commercial)
2. Solid fuel boilers (pellets, coal, briquettes)
3. SASP Professional woody biomass systems (pellets, wood chips, sawdust, straw); 250 kw - 2,5 MW
4. KPR Professional systems 1,5 MW - 12 MW
5. BTA professional systems powered by wood pellets; 500 kW to 2 MW
6. Low temperature belt dryer



Pellet boiler **ECOTOP**

The latest generation of hot water boilers on the pellet in Topling. Ecotop products are adjusted for central heating of residential and business facilities of users that want top comfort with reasonable price. Ecotop products are designed so that they fit perfectly in the space where they are built-in. They have compact designs with a pellet container that provides great autonomy.

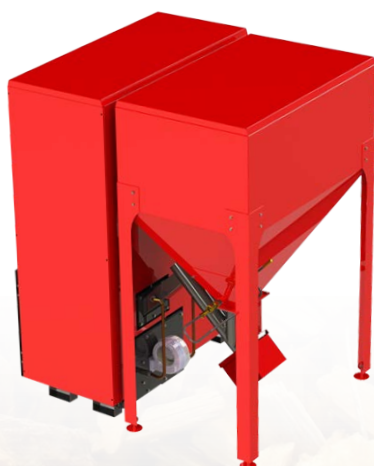
- Power **20, 24, 33, 44, 60 kW**
- Compact construction and easy oven assembling

“Top design and comfort for residential and business facilities”



Wood pellet boiler **BTM**

- Power from **60 kW to 400 kW**
- Biotopling BTM is an ecological and a compact boiler fueled by wood pellets
- Allows simple and effective daily control of the boiler operation for heating and sanitary water with the help of a modern thermostat
- The firebox is made of high qualitative cast iron and encased with fire proofed fireclay; high resistance to thermal loads



“Biotopling BTM boilers are ecological and compact boilers fueled by wood pellets”

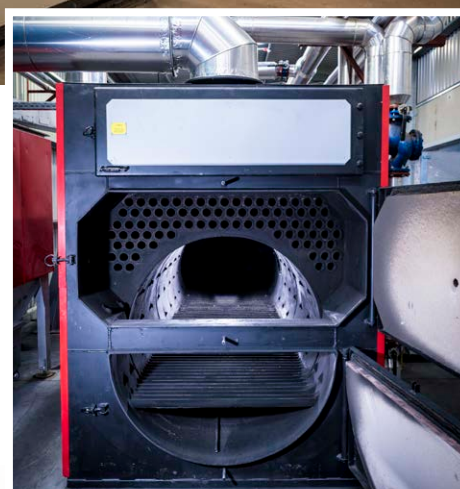
Professional systems for biomass combustion

SASP

- Professional systems for grain dryers, wood dryers, district heating of homes, commercial buildings, public institutions and for industrial facilities.
- **Power from 250 kW to 2 MW and more.**
- Fully automated systems for combustion of wood biomass.
- Energy sources: wood chips, sawdust and wood with a moisture content of 60% and more



“Topping professional systems are optimized for each project individually and adjusted to the end user.”



SASP System 1 MW

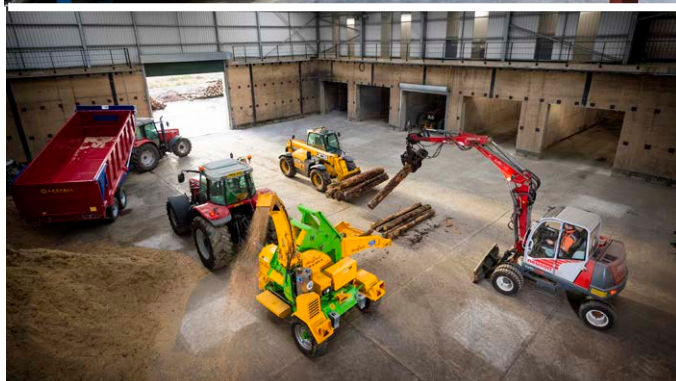
ISO 9001 / ISO 14001 / ISO 18001

WOOD BIOMASS

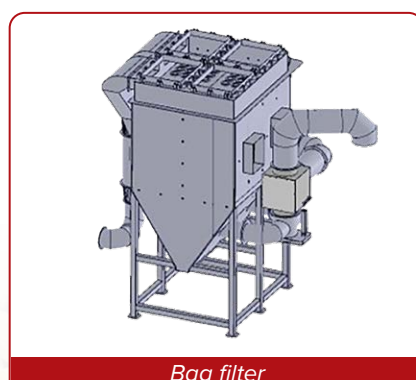
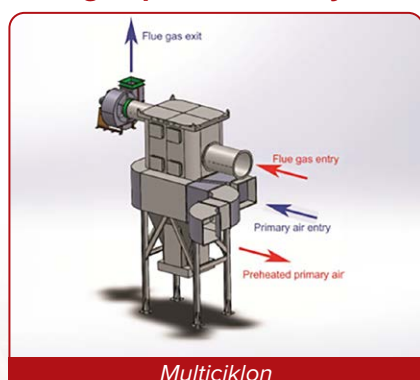
Energy of the future

Stable, methodically carried out and implemented systems offer a quick and easy maintenance. They are specifically optimized to meet the needs of the user, as well as easy to use and with a transparent control over the operation of the system.

TOPLING systems have a perfected technology that helps us undertake reliable projects. TOPLING SASP systems provide comfort, efficiency, stability, ecological integrity, partnership and full support for the investor and user.



Flue gas purification systems



Biomass energy system

- Step grate combustion chamber power 1 MW to 12 MW
- Biomass burning, with the moisture content of up to 65%, G100
- Robust construction

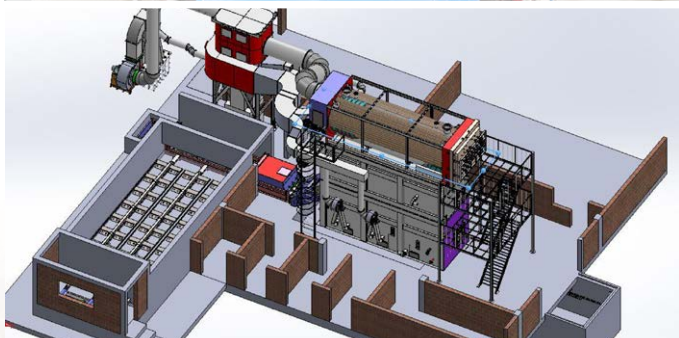
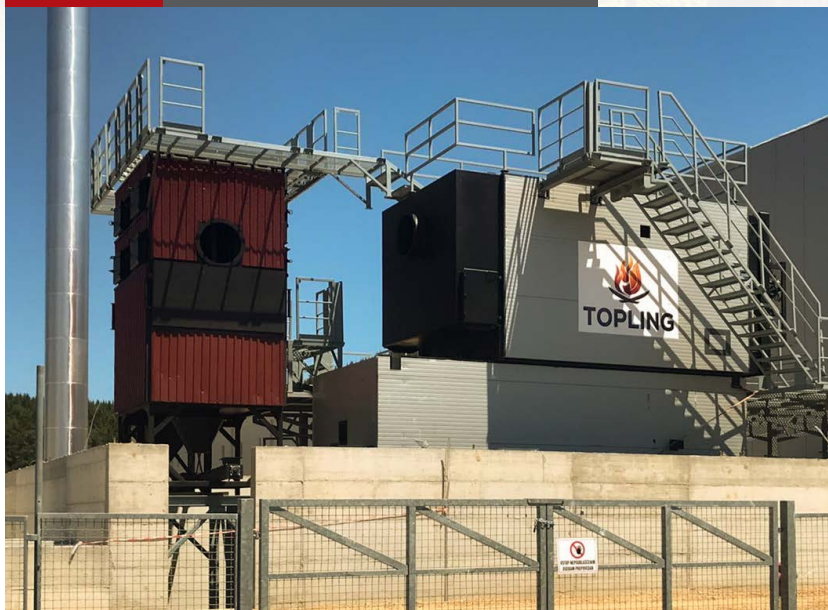
System for automatic combustion of biomass KPR standard contain:

1. Firebox
2. Heat Exchanger
3. Complete system for the automatic deasing
4. Hydraulic silo with movable floor
5. Electrical cabinet with integrated touch screen PLC
6. Buffer tanks with insulation
7. Multicyclone / Bag filter / Electrostatic filter
8. The Stack insulated
9. Ladders and platforms
10. Complete boiler room installation, first start up and crew training

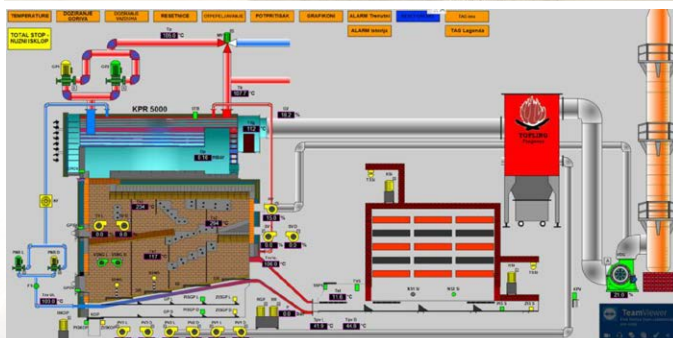
“High technology, environmental awareness, natural resources, expertise with a vision for the future.”



KPR Energy solutions



KPR schematic system plan



KPR schematic system plan

A system for wood pellets **BTA**

Power from 600 kW to 2.5 MW. The system consists of:

- Boiler - functions as an exchange area, where the released gases (the product of the pellet combustion) transfer the heat to the boiler water
- Burner - it is designed for pellet combustion and formation of hot gases that go over into the boiler
- Pellet storage container – is used for the storage of pellets and produced in different sizes/shapes. This depends on the space and the needs of the user (18 m³ on average)
- Multi-Cyclone or bag filter, ventilator, pellet transporter, conveyor, chimney, control panel which controls the whole system



Drying systems **TOPLING**

Single Dryer or Double Dryer solution:

- Available with a thermal output of up to 1000 kW
- Topling dryers offer extremely efficient, versatile & cost-effective drying solutions for a wide range of agricultural & commercial uses.
- Topling moving floor dryers are able to process a wide range of saturated materials including wood chips and provide an ideal solution for those requiring a guaranteed supply of high quality, optimum moisture content, dried chips for use with biomass boilers and combined heat and power plant.



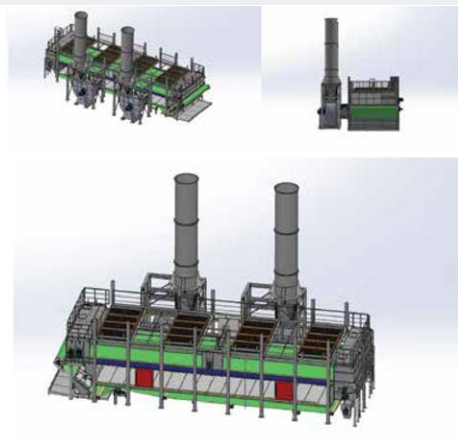
Drying system



Dryer moving floor

Low temperature belt dryer **TOPLING**

- Capacity 1.5 t/h to 12 t/h
- input humidity from 60% to 10%
- Galvanized construction
- Low dust emission
- Control of output humidity



Solid fuel boilers **TKP**

- Power range from **15 to 80 kW**
- Made of qualitative material (welding technology), high quality stell
- Meant for central heating - a possibility of connecting an oil burner with the regulating automatics or a pellet burner
- A wide door for the loading space - usage of larger pieces of firewood (TKP 25 to 50 cm)
- Qualitative thermal insulation
- Planned, manufactured and tested according to the EU norm EN303-5.
- Certified at TGM institute
- Can be delivered in red or green colour



"Compact construction and easy oven assembling"

Solid fuel boilers **TK and TKV**

- Power range from 100 kW to 2 MW
- The TK model is a classic model that is used for object heating
- The TKV model has one or two ventilators, depending on the boiler's power
- The TKV model is recommended for installation into the boiler rooms where the natural draught of the funnel is not enough for qualitative burning of the wood biomass
- The TKV's digital regulation enables the control through the ventilators and therefore a qualitative and constant system operation
- The temperature range of boilers is 90/700°C



Hot-water boliers **Type TKM**

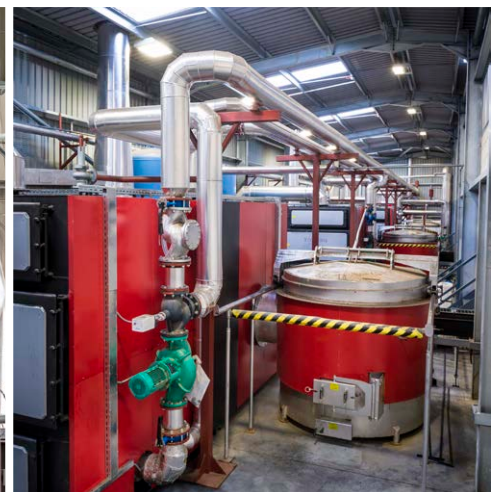
- The model's TKM boiler is structurally identical to the boilers of the models TK and TKV
- The standard fit includes a ventilator and regulation
- A multi-separator is installed. It minimizes the emission of hard particles into the atmosphere
- Multi-separators are manufactured in the block version. They are either welded to the boiler or when ordered, manufactured separately from the boiler



Back to nature...

with TOPLING systems and solutions for biomass

TOPLING professional systems offer many options and solutions for the end user. Innovative heating with wood biomass, wood chips or pellets, boilers and combined heat and power plant. TOPLING systems and solutions provide a complete management of the system for the end user at various levels.





REDUCE YOUR HEATING COSTS

*Turnkey
assembly
throughout EU
countries*

TOPLING WOOD BIOMASS - Energy of the future

Environmental awareness, high quality, friendly use, system efficiency, functionality, cost reduction of energy production and heating.

COMMUNICATE WITH US

With extensive and long term experience of working with the agricultural and commercial sectors to deliver effective drying and biomass heating solutions for a wide range of uses including biomass fuel production, our expertise enables us to work with customers to develop bespoke solutions that work for their businesses. Our reference today is in Industrial plants, Farm buildings, Greenhouses, Public institutions, Residential areas and commercial building/district heating. From initial enquiry to project planning and installation, we are here to give you support. For more information contact us to discover how we can work with you to help you grow your business and reduce your heating costs!



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