

Pellet line



CON-PELET[®]

technologies – consulting – delivery – service



biomass processing



FEEDSTOCK

Sawdust, chaff, straw, hay, husks, wood chips, bark, wood shavings, threshers, other biowaste



FINAL PRODUCT

Pellets – wooden, industrial, forage, farming, agro-pellets

WHY PROCESS BIOMASS

- Ecological solution
- Economic approach
- Effective development
- Environment thoughtfulness



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PELLETS

AGRO / WOODEN / INDUSTRIAL
/ FORAGE / FARMING



BRIQUETTES

RUF – PINI KAY – DAY – NIGHT



Our technology enables to produce several kinds of pellets and briquettes.

ADVANTAGES OF OUR TECHNOLOGY

- The line is designed modularly and in case of any failure in one of the modules, the other parts of the line can operate independently and perform various operations
- Low energy consumption (below 100 kWh/1t of pellets)
- Low personnel costs (2-3 trained workers, depending on the packing system (in case of big bags only 2 workers))
- 2 parallel pressing units with extended service life
- Section for gross material sorting, which eliminates the possibility of unwanted and abrasive materials like gravel, sand, metals or larger particles of the processed material causing any production problems. This protects the rest of the line from damage and prolongs the service life.

ADVANTAGES OF PELLETS AND BRIQUETTE

- Supports the healthy environment
- Almost the same comfort of operation and heating control as when using an electric or a gas boiler
- Simple and clean manipulation
- High calorific value, minimal ash content and low water content
- Allows independence on supplies of fossil fuels such as gas or coal
- Compressed under high pressure at high temperatures and contain no chemical binders, and other pollutants
- Unlimited shelf life in dry conditions

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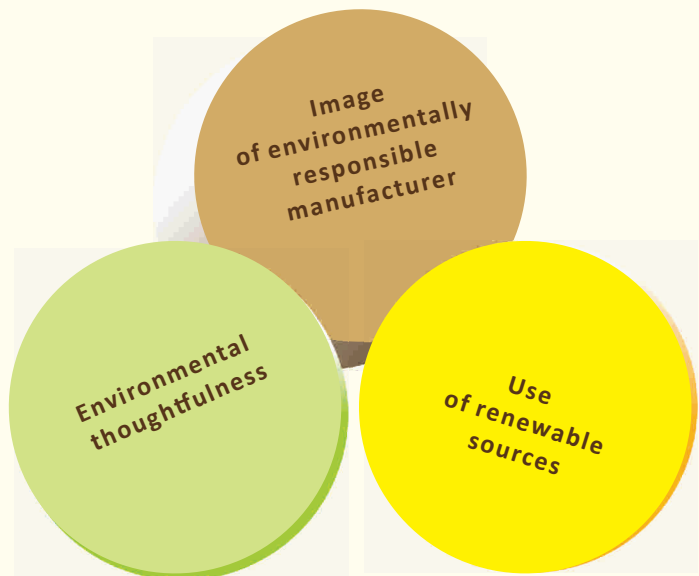


ECONOMIC EFFECTS

Excellent profitability



MARKETING EFFECTS



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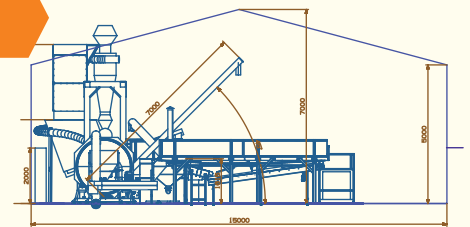
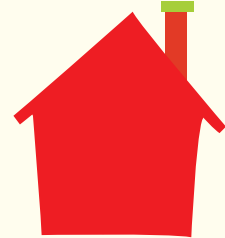
WHY OUR CON-PELET® LINES

The original design just for your place

Low energy and personnel demands

High technical level – long service life

Simple operation and maintenance



START-UP SOLUTION

Basic technological set of CON-PELET® 1000 COMPACT line

Maximal output is 1000 kg per hour.

Alternative solution of CON-PELET® 1000 COMPACT is CON-PELET® TWIN

Technical data for CON-PELET® 1000 COMPACT line

Sorting section - The capacity is up to 1700 kg of sawdust per hour with the absolute humidity of 40 %. Minimal occupied space 11 m², height 2,4 m.

Drying section - The capacity is 1400 - 1700 kg of sawdust per hour with the absolute humidity of 40 %. Minimal occupied space 50 m², height 3,5 m.

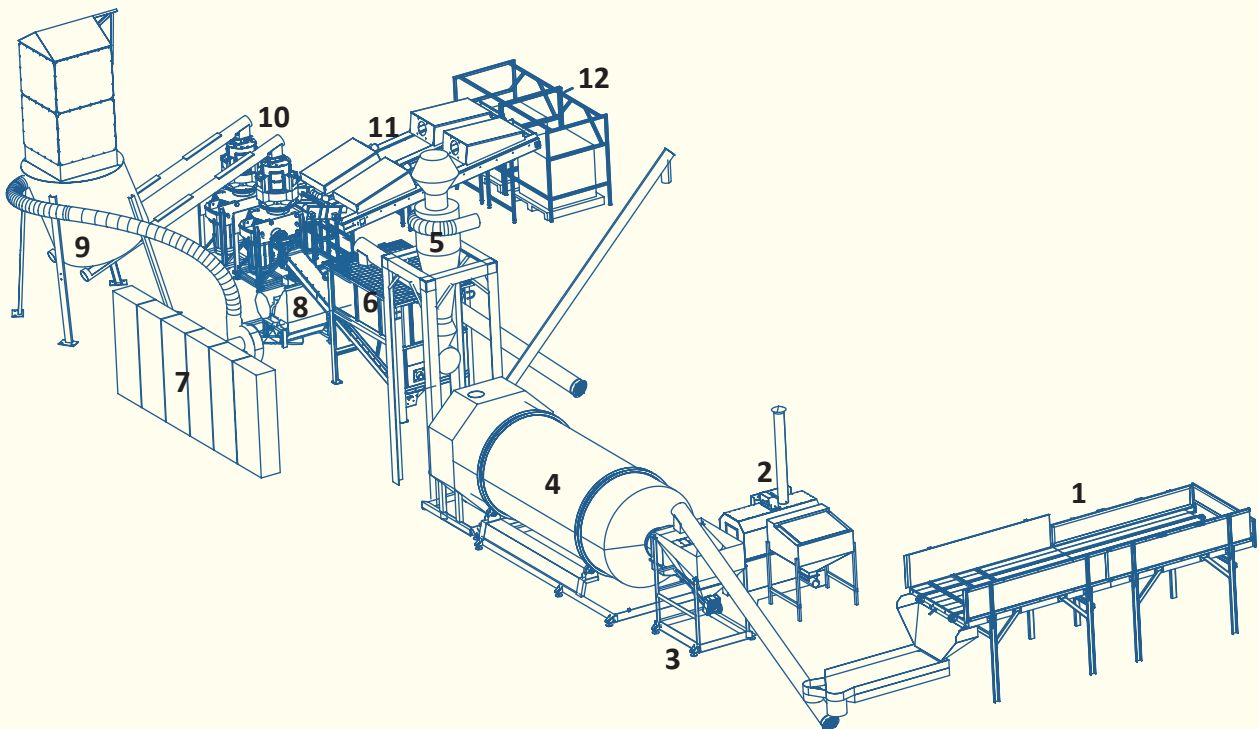
Pelletizing section - The capacity is 1000 kg per hour with the absolute humidity of 14 %. Minimal occupied space 40 m², height 6,3 m.

Electrical power – 197 kW

CON-PELET® 1000 COMPACT CON-PELET® TWIN

Based on experience gained from our customers, our company decided to focus on lines for the production of pellets using waste wood and biomass as a raw material of the maximal capacity of 2 tons of pellets per hour.

Our main goal is to find economically, technically and logistically optimal solution for our customer. For that purpose we designed a compact line **CON-PELET® 1000 COMPACT** with the capacity of 1 ton per hour. When a higher capacity is requested we use the **CON-PELET® TWIN** where the capacity is doubled. From these two basic assemblies we then create an individual solution according to a specific wish of our customer. The design is mainly affected by the type, size and conditions of the feedstock and the finished product requirements.



1. Sorting section, storage bin
2. Heat source for the dryer
3. Storage for the dryer
4. Cylinder drying machine

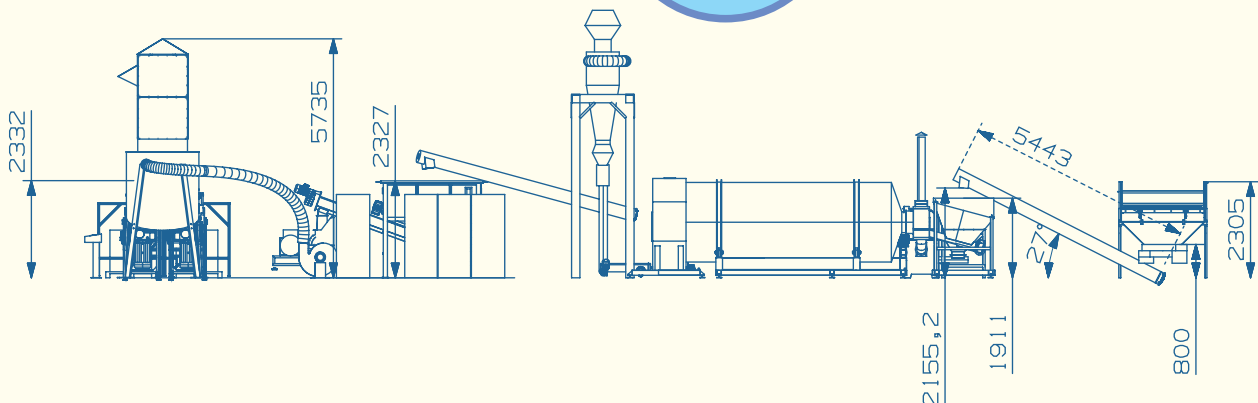
5. Filter (cyclone)
6. Storage bin
7. Switchboard
8. Crusher

9. Homogenizer
10. Pelleting press
11. Cooling conveyor
12. Filling into big bags (holders for big bags)



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From design to the first manufacture



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TECHNOLOGIE NA ZPRACOVÁNÍ BIOMASY

TECHNOLOGIES FOR BIOMASS PROCESSING

ПОСТАВКИ

TECHNOLOGIE NA ZPRACOVÁNÍ BIOMASY

ЛИНИИ ДЛЯ ПРОИЗВОДСТВА ПЕЛЛЕТ

LINKY NA VÝROBU PELET

MODERN TECHNOLOGIES

PELLETS PRODUCTION

Rainbow from The Czech Republic

CONTECHIN[®]

complete solution

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