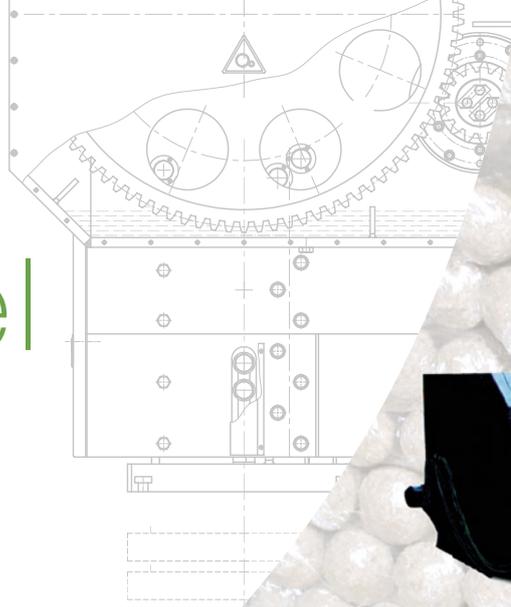


Biofuel



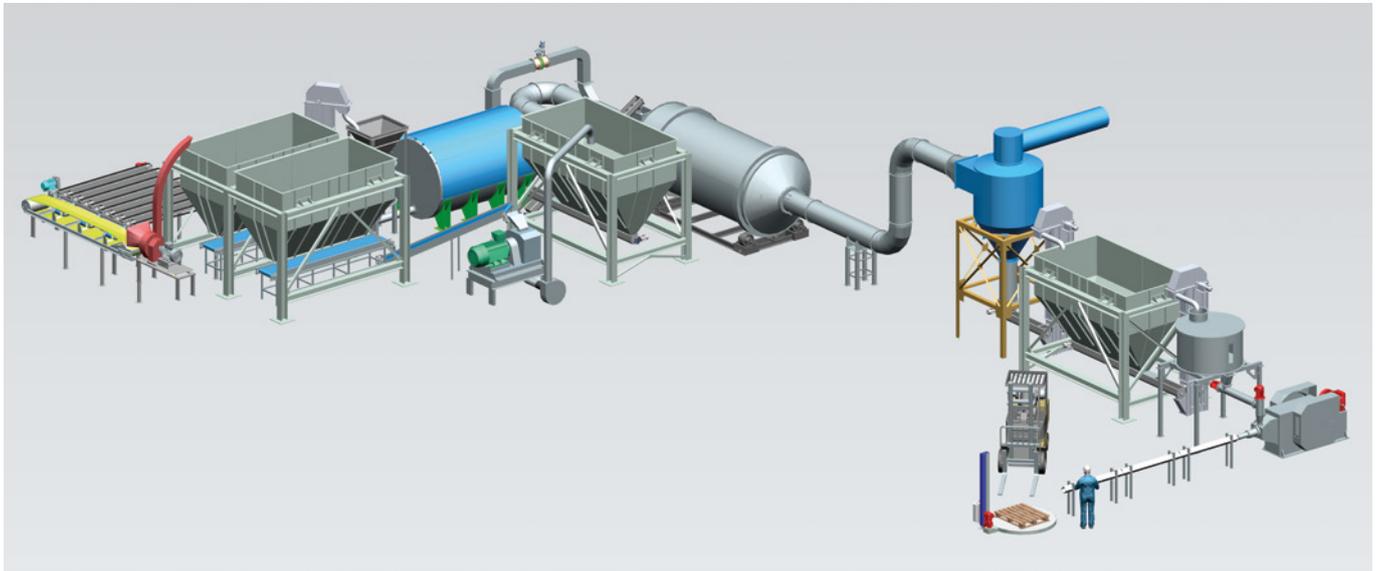
Make what the Planet Needs!



VAPTECH

Biomass briquette production line

The line is designed for briquette process using material from forest, wood processing and cellulose industry, vegetable waste from agriculture (straw, vine-stock, stems of sunflower, corn and others).



Preparation area

- Spreading table for logs
- Wood chipping machine (chips)
- Hammer mill (sawdust – dimensions 1..5 mm)
- Bunker with moving floor for storing the sawdust

Drying area

- Heat generator for hot flue gases
- Three pass drum dryer
- Cyclone with rotary dispenser valve
- Fan
- Pipe system with bag filter

Briquette manufacturing area

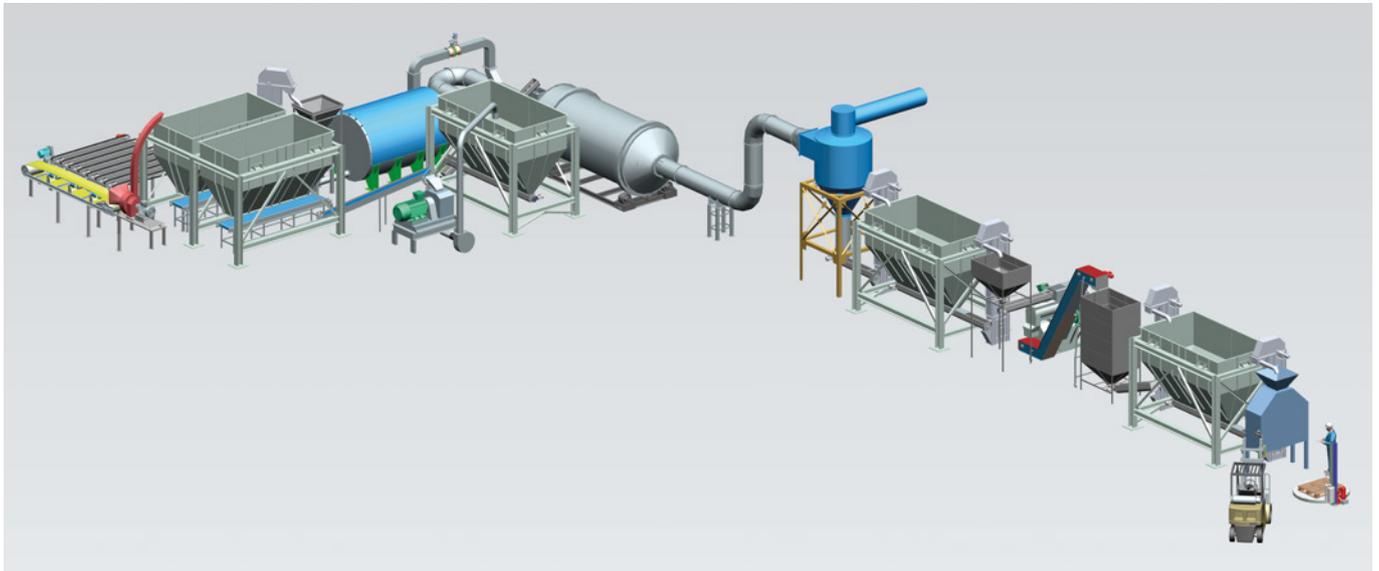
- Bunker with moving floor for dried material stuff
- Equipment for transportation (screw conveyor, bucket elevator)
- Conditioner
- Briquette press
- Cooling and cutting device

Packing and Palletizing area

Technical data	
Maximum output	0,6–1,5 t/h
Briquette diameter	63–83 mm
Briquette length:	300–350 mm
Briquette density:	1,04÷1,3 t/m ³
Feeding bunker volume:	3–5 m ³
Briquette material requirements	
Moisture contents	8÷12 %
Particles size	0,5÷7,0 mm
Specific weight	0,16÷0,24 t/m ³

Biomass pellet production line

The line is designed for pellet process using material from forest industry, wood processing and cellulose industry, vegetable waste from agriculture (straw, vine-stock, stems of sunflower, corn and others).



Preparation area

- Spreading table for logs
- Wood chipping machine (chips)
- Hammer mill (sawdust – dimensions 1..5 mm)
- Bunker with moving floor storing the sawdust

Drying area

- Heat generator for hot flue gases
- Three pass drum dryer
- Cyclone with rotary dispenser Valve
- Fan
- Pipe system with bag filter

Pellet Manufacturing area

- Bunker with moving floor for dried material stuff
- Equipment for transportation (screw conveyor, bucket elevator)
- Conditioner
- Pellet Mill

Cooling area

- Belt conveyor (feeding the finished pellets to the cooler)
- Counterflow cooling chamber
- Rotary dispenser valve
- Aspiration system and vibration screen

Packing and Palletizing area

- Pellet Bunker
- Automatic Packing Machine
- Palletized packaging machine with stretch film

Technical data	
Maximum output	0,5–5 t/h
Pellets diameter	6–8 mm
Pellets length	10÷40 mm
Density of pellets	1,05–1,3 gr/cm ³
Pellet material requirements	
Moisture contents	8÷12%
Particles size	0,5÷5,0 mm
Specific weight	160÷240 kg/m ³



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