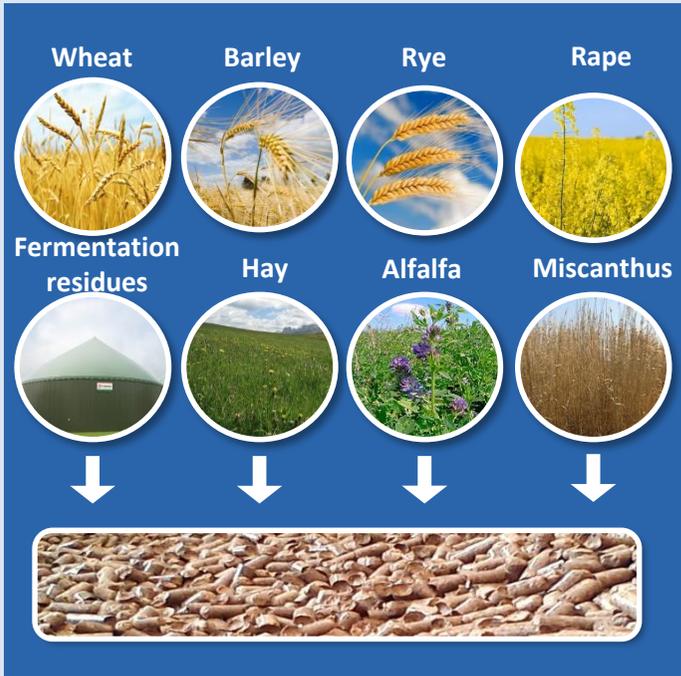


MPA pelletizes a wide range of biomass materials:

for feeding, combusting or as animal bedding



Properties of the pellet plant

- ✓ Dimensions: 45 ft high container
- ✓ Weight: ca. 22 tons
- ✓ Throughput: 1000 kg pellets per hour Pellet sizes: 8mm or 10mm
- ✓ Power: Diesel generator: 200 kW (260kVA)
- ✓ Fully automatic handling of the whole plant by means of a Siemens Programmable Logic Controller
- ✓ The whole plant is made in Germany
- ✓ Process technology covered by patents. Every process step like grinding/conditioning, pelletizing and cooling is built into the container
- ✓ All components are designed for an economical and industrial operation

The company: PCM Green Energy

The company “PCM Green Energy” is one of the first manufacturers of excellent mobile and independent pelleting plants.

Our innovative pelleting plants produce all sorts of high-quality biomass pellets without needless logistics costs.



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Mobile Pelleting Plant

MPA 1000

for stalk materials

Mobile Pelleting Plant MPA 1000

Technical data:

Dimensions:	45 Fuß freight container 13,72(L)x2,43(B)x2,90(H)
Weight:	ca. 25 tons
Throughput:	1000 kg pellets per hour (depending on material)
Pellet size:	6mm, 8mm, 10mm, 12mm
Diesel generator:	200 kW, 250 kVA 250 kW waste heat

Specification

- ✓ Container dimensions comply with ISO standard
- ✓ Transportation possible on any container chassis
- ✓ Pelletization with a high-quality annular die press with central lubrication
- ✓ Fully automatic handling of the whole plant by means of a Siemens Programmable Logic Controller (PLC)
- ✓ Permanent supervision of temperatures, fill heights, power consumption, etc.
- ✓ Touch-screen display showing the operating states
- ✓ Remote maintenance of the plant at any place
- ✓ Fabrication of pellets out of almost every sort of stalk material
- ✓ Any desired mixture possible
- ✓ Autarchic by use of a powerful diesel generator
- ✓ 200 kW, 325 kVA, 360 kVA waste heat
- ✓ Variable fineness of grinding, sizes and hardness
- ✓ The whole plant is made in Germany

Advantages of mobility:

- ✓ Easy transport without mounting and dismounting
- ✓ Transport via truck or dolly axis and tractor
- ✓ Flexibility because of container construction
- ✓ Independence of regional raw material prices
- ✓ The plant can be used local as well as stationary
- ✓ Process technology covered by patents. Every process step like grinding/conditioning, pelletizing and cooling is built into the container



Requirements for the source material:

materials:	Stalk materials, dried materials and much more
Starting shape:	bales (Round- or square bales) Bulk goods bzw. loose materials
maximum moisture:	16 % (depending on material)
Other:	Nets and other foreign substances must be removed before loading!

Use of the pellets and its advantage:

In general:

- ✓ Compression ratio (bale:pellet) ca. 1:5
- ✓ Less transport effort
- ✓ Significantly reduced transport costs
- ✓ Requires less space when stored
- ✓ Low residual moisture



Pellets for combustion:

pressed bundles of energy

- ✓ Higher energy density
- ✓ Various fields of application
- ✓ Also usable in smaller plants
- ✓ Almost the same heating value than wood pellets (1 kg wood pellets = 4.8 kWh; 1 kg straw pellets = 4.9 kWh)



Pellets for feeding or as animal bedding

- ✓ Higher absorbing capacity (up to 400%)
- ✓ Easy handling: max. 25 kg bags
- ✓ Requires less space when stored
- ✓ Sterile, hygienic pellets (ca. 100 °C extruding temperature)
- ✓ Free from chemical binders

