

PERRY BIOMASS

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FEED & BIOMASS

mini
PELLETER

MECHANIKA



NAWROCKI
GRANULATORY



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miniPelleter

THE PELLETT MILL

Usage

miniPelleter is a semi-industrial pellet mill designed for efficient production of high quality biomass pellets, animal feeds and other raw materials or mixtures of materials.

Capacity

Softwood: 250-280 kg/h
Hardwood: 150-200 kg/h
Straw, hay, etc: 180-200 kg/h
Poultry feed: 400-600 kg/h
Pig feed: 250-350 kg/h
Cattle feed: 150-200 kg/h
Fish feed: 350-550 kg/h

Approximate values

Parameters

Power: 15kW or 18.5 kW
Weight: 585 kg
Industrial geared motor

Benefits

- spare parts available in couple of days by airmail,
- fast Return On Investment,
- absolutely easy to use,
- low maintenance costs,
- full equipment at basic price,
- easy integration with existing pelleting lines,
- Long Life Heavy Duty Design



Works the way you want

Full satisfaction or money back guarantee. Fair enough?

miniPelleter is a perfect start. You unpack it, connect to a power source and produce. You will make friends the moment you start work.

It is also the technologically most advanced and most simply operated pellet mill. With uncomplicated maintenance and service.

Have a thorough look. See a compact and clever construction. A huge galvanized tank finished with a reinforced flat bar. Raw material speed dosing control. Bulky clams for fast disassembly of the body. Strong and comfortable handles. The big and tight inspection door on the galvanized two-part body.

Power supply cabinet on the left. Legible and big control buttons and load read-out. A handy storeroom on the right.

Can you imagine it? Everything is in the right place.

Logically. Intuitively. And properly.





miniPelleter is put on the rigid frame with reinforcement plates for a solid gear and a driving engine 15 or 18.5 kW.

The pellet mill's heart is a pelleting unit. For the mP, it is an athletic, fitted and complete body working as a monolith.

The rollers holder is made of one piece of steel, with no welds or screwed connections. The rotating shaft stands out with size and construction – is unique and absolutely indestructible – foundation for each pellet mill.

The mP can be easily used for operating with other pelleting line appliances, e.g. with a screw feeder, a conditioner, etc.

The complete mP weighs 585 kg. It is not a toy. It is professional tool designed for pelleting even the most difficult materials.

We made the miniPelleter to meet your expectations. And we did our best. We used solutions from industrial pellet mills and a few innovations created only for the requirements of the mP.

However, if you find the operation of the mP unsatisfactory, you can return it. We shall refund the full sum of money diminished by the costs of packaging, a die and rollers: about 14% of the mP value.

But we believe that you will be very satisfied.

Note: On YouTube, we made available films worth watching.



Basic features of miniPelleter

- professional half-industrial versatile pellet mill,
- ready to be used when connected to power
- basic price includes a complete equipment,
- for biomass pellets and granulated feeds,
- a full scope for manufacturing feeds
- very attractive price,
- star-delta or soft start or frequency inverter,
- maximum hole working length up to ~180mm,
- low costs of maintenance and operation,
- low cost of spare parts (die, rolls),
- extremely simple service
- universal in use,



miniPelleter was designed for biomass processing. This guarantees a very robust, long lasting construction and durable drive.

Additional equipment for miniPelleter

We manufacture other machinery for our mini pelleting line like raw material bins, hammer mills, buffering containers, dosing screws, counterflow coolers, vibrating sifters, steam generators, power and control systems etc.

Development options: the mPT - mini PelletingTower is an integrated production tower set of machinery and control system



FAQs on miniPelleter

What makes miniPelleter different among other pellet mills of that type?

- The reinforced construction with reference to small pelleting machines available on the market, especially of Far Eastern origin.
- The quality of workmanship guaranteed by the manufacturer of the state-of-the-art high-power pellet mills.
- Technical details resulting from our more than 30-year experience, which ensures many years of the effective, reliable operation.
- Immediate service and availability of spare parts and consumables.

For whom is it intended?

miniPelleter has been designed for manufacturers of feeds and biomass pellets who do not require large pellet mills.

Where will miniPelleter be applied?

Small sawmills, carpenter's shops, orchards, farms, litter manufacturers, producers of mineral fertilisers, feed manufacturers for pet animals, large and small, feeds for fish. It is difficult to list all application possibilities of the miniPelleter.

Can the mP18 be combined in one processing line?

Yes. There is a possibility to install the miniPelleter both in the existing processing line and a new one. Mechanika Nawrocki designs the installations based on miniPelleters.

Is it possible to combine several miniPelleters in order to obtain higher capacity?

Yes, it will In this case we suggest a pelleting mini line: a tank + dozing screw + miniPelleters + coolers combined with screens.

What are the requirements for biomass?

Biomass has to be ground to achieve a particle size 1-5mm. The recommended moisture content is 14 to 16% and it should not exceed 20%.

Is miniPelleter able to pelletize fertilisers, rat-poisons, etc.?

Yes, we performed several successful tests on these kinds of raw materials and many more.

What electrical requirements are for miniPelleter?

Power rating for 18.5 kW, rated current 37A, rated voltage 400V AC, 50Hz. Power line type OW5x10 mm². Power supply plug 5x63A.



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- ▶ Quality European manufacturer.
- ▶ Plug in and go style operation.
- ▶ 15kW and 18kW motor options.
- ▶ Continued support and after care.
- ▶ Die customised and laboratory tested to suit.
- ▶ Practically every type of agricultural and forestry biomass is suitable for pelleting.



Biomass Statistics

- ▶ Soft wood saw dust
200kg/h - 250kg/h
- ▶ Hard wood saw dust
150kg/h - 200kg/h
- ▶ Straw 180kg/h - 200kg/h



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