



PELLET MILL *N-Micro*



N-MICRO pellet mill has the following general specifications, valid for each model:

PELLET MILL	Unit of measurement	N-MICRO
Dies cutter internal diameter	mm	240
Rollers diameter	mm	104
Pellet diameter	mm	6/8
Dimensions	mm	1200x650x1700
Weight	Kg	480



Technical specification:

PELLET MILL N-MICRO	A	B
ELECTRIC POWER		
Active power installed	5.5 Kw	7.5 Kw
Electric source	V 400 +/- 10%	Hz 50/60
PELLET PRODUCTION PER HOUR		
<u>Kg/h</u> soft materials (like fir, pine, poplar tree), straw, hay, etc.	40/70	45/90
<u>Kg/h</u> hard materials (like beech, oak, chestnut, olive tree)	30/60	40/80
<u>Kg/h</u> agricultural residuals (like cereals, manure, etc)	50/100	60/110

General information for raw material to be used to load pellet mill machinery:

- ♦ Consistency : saw dust or other material size among 0.5 mm and 1.5 mm
- ♦ Moisture rate : between 8% and 14%
- ♦ Characteristics : pure material (without metal material or everything different from main)

Technical innovations of N-MICRO pellet mill:

- Small, solid and compact size machinery
- Pellet production without additives, from natural origin or not
- Saw dust or other material loading with regulating valve or conveyor belt or manual
- Fast tools change by the direct front machine 's opening that means low time and cost for maintenance and cleaning
- Easy refiner mill installation over the hopper of the pellet machine
- Easy installation under a saw dust or wood shaving silos
- Easy pellet machine management



General specifications of N-MICRO pellet mill:

- Pellet mill with mechanical and electrical functioning system
- Manual rollers regulation (tools that permit the rotation of the dies)
- Saw dust loading system is composed by a steel hopper and a screw (regulated by an inverter connected to a power regulator)
- Dies' holes' length from 12 to 40 mm, in accordance to the raw materials we are going to pelletize (saw dust or other vegetal or agricultural residuals)
- Front side pellet unloading
- Natural additive for start/end production cycle (to avoid saw dust hardness inside the dies during machinery stop)
- Manual grease lubrication for engine
- Manual grease lubrication for rollers and drill
- Engine area hardware protected
- Predisposition for dust catcher line
- Instruction manual and CE conformity certificate

Make your own pellet!

N-MICRO pellet machine is the easiest way to Pellet. N-MICRO has been projected and developed properly for **home and small pellet production**, so every carpenter, farmer or private will produce his own pellet with his own material. N-MICRO is the smallest pellet machinery of Nova models, but still all technologies and mechanical solutions are the highest on the market to gain on **low maintenance** and **production cost** and obtain the **best quality pellet** on market, completely **without additives, from natural origin or not**. Therefore, with N-MICRO and others Nova pellet mill machineries, you can sell pellet to private or industrial market or for your own consumption. N-MICRO is projected and manufactured in accordance with CE norm about construction's prescriptions and safety.



Nova Pellet staff is able to supply immediate and complete assistance and support on its pellet mills installed all over the world. Besides, with its 30 years' experience, Nova Pellet manufactures and supplies all spare parts of all the models of Pellet Mill Machinery:



DIES AND ROLLERS

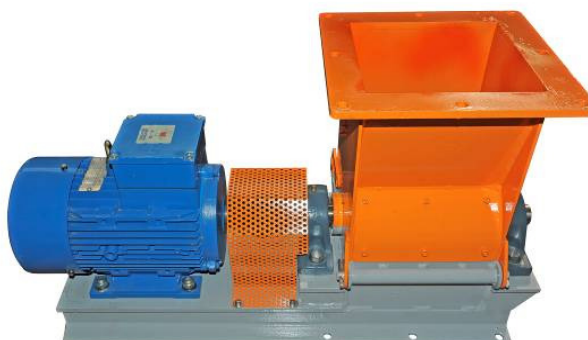


THE COMPRESSION AREA



REFINER MILL

N - Raff



Nova Pellet projected and developed a special refiner mill **N-RAFF** to install upon **N-MICRO** pellet machine.

N-RAFF permits to refine thin wood chip, wood shavings and saw dust directly upon the pellet machine, therefore you can gain of a direct preparation of your raw material for pelletizing, allowing the easy installation of the all system under a cereals, saw dust or wood shaving silo.

REFINER MILL N-RAFF	
ELECTRIC POWER	
Active power installed	3 Kw
SAW DUST PRODUCTION PER HOUR	
<u>Kg/h</u> Wood shaving or saw dust	90/150
<u>Kg/h</u> Thin wood chip	60/110
<u>Kg/h</u> Agricultural residual (Cereals, manure etc.)	90/150



In the following picture you can see the **N-MICRO** pellet mill installed with the **N-RAFF** refiner mill in a sole compact body:



Make your own pellet!

NOVA PELLET SRL
SALES OFFICE