



PELLET MILL ***N-Mini***



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

PELLET MILL	Unit of measurement	N-MINI
Dies cutter internal diameter	mm	280
Rollers diameter	mm	122
Pellet diameter	mm	6
Dimensions	mm	1100x900x2085
Weight	Kg	1500



Technical specification:

PELLET MILL N-MINI	A	B
ELECTRIC POWER		
Active power installed	11 Kw	15 Kw
Electric source	V 400 +/- 10%	Hz 50/60
PELLET PRODUCTION PER HOUR		
<u>Kg/h</u> soft materials (like fir, pine and poplar tree)	120/150	180/220
<u>Kg/h</u> hard materials (like beech, oak and olive tree)	90/120	140/180

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

- ♦ Consistency : saw dust or material size among 0.5 mm and 1.5 mm
- ♦ Moisture rate : between 8% and 12%
- ♦ Characteristics : pure material (without metal material or everything different from main)

Technical innovations of N-MINI pellet mill (respect to pellet mill for feed business sector):

- Same innovative and patented N-PLUS system of die cutter s' loading and compression
- Pellet production without additives, from natural origin or not
- High efficiency servo drive engines (ENERGY SAVING)
- One central screw to load saw dust into the dies
- Rollers attached in two sides to the structure of the machinery
- Natural additive for start and stop production cycle (to avoid saw dust hardness inside the dies during machinery stop)
- Compact size machinery
- Fast tools change by the direct front machine 's opening that permit low time and cost for maintenance and cleaning



General specifications of N-MINI pellet mill:

- Pellet mill with mechanical and electrical functioning system
- System control and management by PCL
- Manual rollers regulation (tools that permit the rotation of the dies)
- Saw dust loading system is composed by a stainless steel mini-silos and a screw (regulated by an inverter connected to the dies charge)
- Dies' holes' length from 14 to 50 mm, in accordance to the raw materials we are going to pelletize (saw dust or other vegetal or agricultural residuals)
- Minimum and maximum level on the saw dust storage
- Manual grease lubrication for engine
- Automatic grease lubrication for rollers and drill
- Front side pellet unloading
- Electrical safety locks
- Engine area hardware protected
- Predisposition for dust and steam catcher line
- Instruction manual and CE conformity certificate

N-MINI pellet mill machine is projected and manufactured in accordance with CE norm about construction's prescriptions and safety. Besides, Nova Pellet S.r.l. has obtained in 2007 the Italian patent for the innovative system of die cutter s' loading and compression. With N-MINI you will save money and get **lower pellet production cost**, because we have developed a basic **low relation between electrical Kw consumed and pellet production Kg per hour (ENERGY SAVING)**. In fact, N-MINI has been projected and developed properly for pellet production and all technologies and mechanical solutions are chosen to get the best economic advantageous respect other producers and obtain the **best quality pellet** on market, completely without additives, from natural origin or not. Therefore, with N-MINI and others Nova pellet mill machineries, you can sell pellet both to private or industrial market and gain on **low maintenance and production cost**.



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 CUTTER



ROLLERS

N-Compact

Nova Pellet project and developed a packaging modular structure to install besides **N-MINI**. **N-COMPACT** permit to package directly pellet production into 15 kg bags: a tilted conveyor belt load a cistern to storage pellet, here you can package the pellet into 15 kg bags, pressing a valve. Then you can weld the bags and sell it.

N-COMPACT is composed by:

- Hardware structure;
- Tilted conveyor belt;
- Pellet storage hopper;
- Weighing bag machine kg 15;
- Welding machine;
- Electrical board.



In the following picture you can see, first, **N-COMPACT** packaging system and, second, **N-MINI** pellet mill installed with **N-COMPACT** packaging system (**N-MINI COMPACT**):



NOVA PELLET SRL
SALES OFFICE