



PELLET MILL *N-Plus*



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

PELLET MILL	Unit of measurement	N-PLUS
Dies cutter internal diameter	mm	580
Rollers diameter	mm	245
Pellet diameter	mm	6
Dimensions	mm	2400x2500x2400
Weight	Kg	7500



Technical specification:

PELLET MILL N-PLUS	A	B	C
ELECTRIC POWER			
Active power installed	110 Kw	132 Kw	160 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)	1300/1500	1800/2000	2200/2500
<u>Kg/h</u> hard materials (like beech, oak and olive tree)	1100/1350	1500/1750	2000/2250
Relation Kw consumed / Pellet production Kg per hour	1/18		

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-PLUS pellet mill (respect to pellet mill for feed business sector):

- Patent “Telaio per macchine per la produzione di pellet” (“Structure of pellet mill machinery”)
- Patent “Sistema di alimentazione per macchine per la produzione di pellet” (“Pellet mill machinery loading system”)
- 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
- Backside pellet unloading
- Oil lubrication for drill
- Natural additive for start and stop production cycle (to avoid saw dust hardness inside the dies during machinery stop)
- Compact size machinery for big production
- Fast tools change by the direct front machine ‘s opening that permit low time and cost for maintenance and cleaning



General specifications of N-PLUS 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
- Automatic grease lubrication for engine, managed by Plc system
- Electrical safety locks
- Engine area hardware protected
- Predisposition for dust and steam catcher line
- Instruction manual and CE conformity certificate

N-PLUS 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-PLUS** 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-PLUS** 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-PLUS** 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

NOVA PELLET SRL
SALES OFFICE