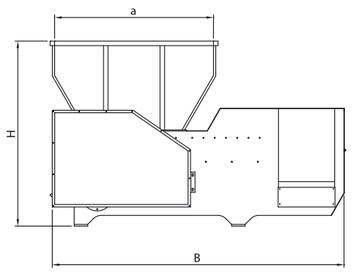
WOOD GRINDING



Model		a	b	A (max)	B (max)	h	h1	H
K 500	mm	1118	495	980	2195	770	800	1570
K 700	mm	1418	740	1320	2850	790	796	1586
K 1000	mm	1828	1055	1728	3850	885	1000	1885
K 1300	mm	1865	1260	1778	4165	1095	1100	2195
K 1400	mm	2430	1324	1980	4770	1645	3200	4845

Model		K500	K700	K1000	K1300	K1400
Installed power	KW	11/15-1.5	15/18.5/22+1.5	18.5/22/30+2.2	37/45+2.2	45+15+0,75
Rotor length	mm	505	750	1065	1310	1394
Rotor diameter	mm	194	194	226	226	390
No. central inserts		12	19	28	35	78
No. side inserts		2	2	2	2	0
Total weight	Kg	1200	1600	3000	5000	9500

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COSTRUZIONI NAZZARENO

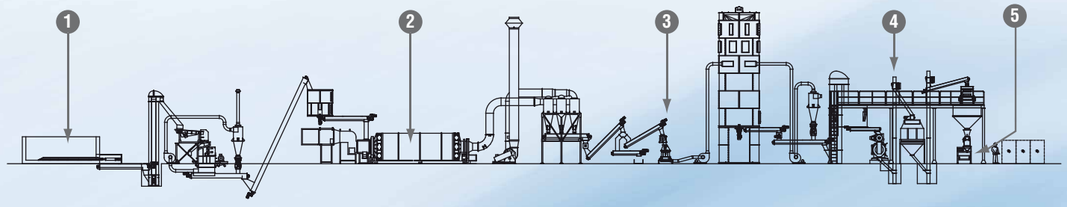
MACHINES AND PLANTS FOR:

Wood PELLETS

Wood BRIQUETTES

Wood GRINDING

WOOD PELLETS



1 FEED

The particle size of the feed material is one of the basic parameters to be considered when choosing the line feed system. Two types of machines may be used for feeding material:
- grinders or chippers with belts or chain systems when feeding in pieces of wood or underbrush;
- sorting or roughing machines when feeding in chips, shavings or sawdust (roughing threshold with raw material greater than 15x15x15mm) through a hopper with hydraulic or screw discharge. Specific mechanical or pneumatic conveying systems take the production flow to the next stages.


2 DRYING

Another very important parameter for pellet production is the moisture content of the material being treated. The maximum allowable moisture content at the pellet mill inlet is estimated at around 12-13% r.h. Whenever the moisture content of the material to be processed is above this value, the line needs a dryer or dehydrating unit. The dryer needs a generator to produce hot air or, more generally, heat to carry out the drying process.
The generator may be fired in various ways using sawdust, chips or natural gas; other systems or fuels are possible on request.


3 PRODUCT PREPARATION

The dried product then undergoes possible dust removal – grading and refining so that it is all reduced to the maximum particle size (6-7 mm) required for making uniformly sized pellets. The product is now stored or conveyed immediately to the final transformation phase.


4 PELLET PREPARATION

The prepared material is transformed into pellets through a pellet press.
The pelleting line finishes with cooling (air/product) of the pellets and dust removal. There is the possibility of installing an auxiliary dust removal plant with filters for treating the air discharged into the atmosphere.


5 PELLET BAGGING

Once the pellets have been cooled and cleaned, they go through a weighing system before being packaged in special customised sacks or big bags. This bagging system may be managed manually or automatically, as also the palettising that follows.

WOOD BRIQUETTES

OL.D 52 - 62 - 72

OL.D 201 M

OL.D 301

OL.D 501 V60

SPECIFICATIONS

Model	Output (kg/h)	Briquette size (mm)	Installed power (kW) Main motor	Auxiliary motor	Standard size (Mini silo mm)	Machine size (complete with mini-silo mm) A	B	H	Machine weight (kg)
OL.D 52	30 - 50	Ø 50	4	1.5 0.75	Ø 900	**1270**	**1750**	**1540**	**960**
OL.D 62	50 - 70	Ø 60	7.5	1.5 0.75	Ø 900	**1270**	**1750**	**1540**	**1270**
OL.D 72	70 - 100	Ø 70	11	1.5 0.75	Ø 900	**1270**	**1750**	**1540**	**1600**
OL.D 201 M	120 - 150	Ø 70	11	1.5 1.5 1.5	Ø 1500	1200	2415	1500	1200
OL.D 82	150 - 200	Ø 70	11 - 11	1.5 1.5 1.5 0.75	Ø 1500	**2100**	**3250**	**1540**	**2400**
OL.D 301	200 - 300	Ø 80	18.5	5.5 1.1 0.55	Ø 1050	2425	1350	2630	2000
OL.D 501 V 60	500 - 600	Ø 80	45	7.5-5.5-1.5 0.37-0.12	Ø 950	1800	1800	2800	4200
CN 800	700 - 1000	Ø 75	45	3 1 0.55 1.5	Ø 1500	1900	3550	3050	4800

PRODUCTION RATE DEPENDS ON THE TYPE OF MATERIAL