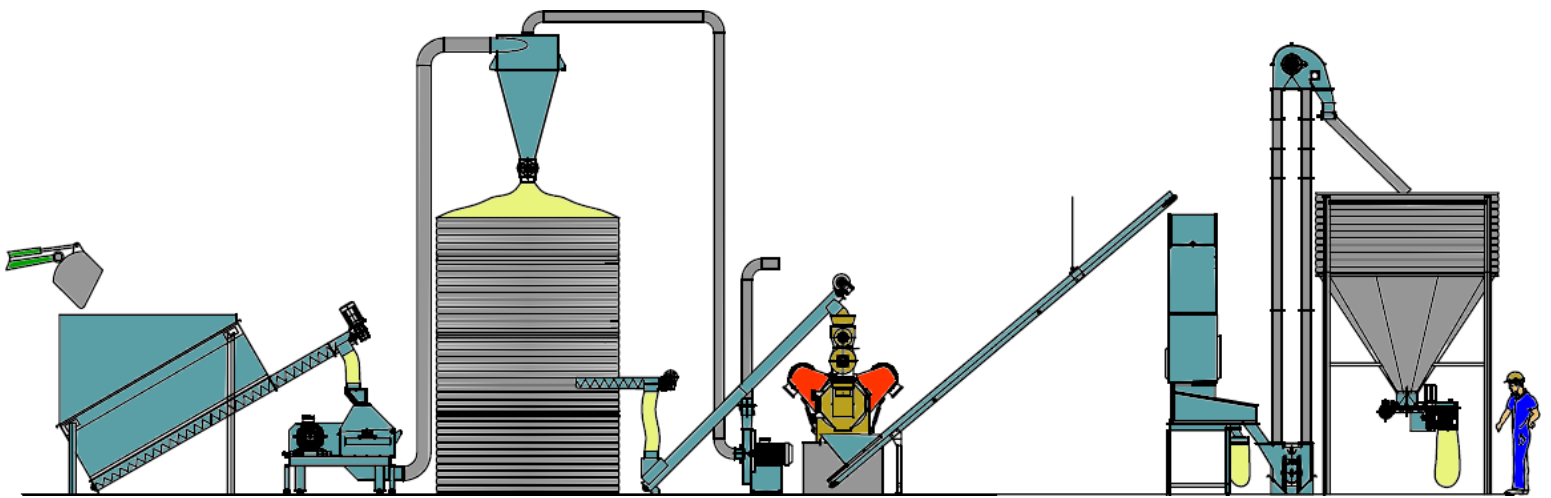


**WOOD PELLET
MANUFACTURING UNIT
0.3 to 2 T/H**



FROM SAWDUST, WOOD SHAVINGS, WOOD CHIPS, ETC.

EQUIPMENT

1 - Feed hopper for bucket loader (7m³):

With extraction auger at the bottom for feeding the grinding mill controlled by frequency converter for adjusting the flow rate.
Vibrator motor (0.15 kW) with sequencer for debridging the wood shavings.



2 - Type BC hammer mill with integrated pneumatic transfer system:

Weld-fabricated body, interchangeable wear plates.
Feed by 4-slope hopper with air regulation flap
8-blade fan, motor 15 to 22 kW 3000 rpm



or

2 - Type F6 or F10 hammer mill:

Weld-fabricated body, interchangeable wear plates.
Grid with 2-chain tensioning system (for F6 and F10).
Machined rotor mounted on bearings with self-aligning baseplates.
Pulley and toothed V-belt transmission.
Motorisation from 15 to 75 kW



3 - Type 700 or 900 cyclone separator

rotary discharger 280x280 with motor-gearbox unit 1.1kw with fixed blades



4 - Type HP400 or HP600 fan:

For transferring the product from the grinding mill to the cyclone separator
Only with F6 and F10 grinding mills



5 - Rotary extractor:

Galvanised bin Ø2.68 m, capacity 18m³ with roof tarpaulin.
Debridging system driven by motor-gearbox unit 1.5 kW,
Bottom extraction auger 1.1 kW controlled by frequency converter
High level detector.



6 - Lifting auger:

Ø150 in tube, 2.2kW motor for feeding the press

7 - Pellet press:

Inlet hopper with high level detector, flowmeter for mixing water

Feeder controlled by frequency converter, 37 kW or 160 kW motorisation units.



8 - Belt conveyor:

Positioned under the press for continuous collection and handling of the hot pellets.

Motor-gearbox unit at the head, access hopper.

9 - Chiller-sifter:

Cooling column with inlet hopper

Electronic level detector

A sifter with integrated extractor driven by 2 vibrator motors 2 x 0.16 kW,

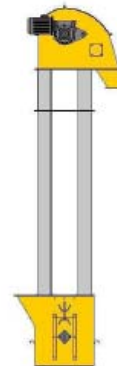
A centrifugal fan, motor 4 kW, a cyclone separator on legs with inlet Ø200 mm, connecting pipes.



10 Bucket lifter, no. 10 "N":

For collecting cold pellets, height 7 metres, motor 1.5 kW,

Galvanised ducts, plastic buckets, inlet gusset, square outlet cone, 160 mm and RDCA



11 - Internal storage bin:

Galvanised, capacity 10 m³, on legs, roof tarpaulin and with high level detector



12 - Electronic bagger with auger:

Adaptable inlet hopper under galvanised bin.

Extraction by worm screw driven by motor-gearbox unit 1.1 kW.

A bagging mouth Ø275 mm, quick bag attachment, mounted on bending sensor.

An electrical control panel for servocontrol comprising:

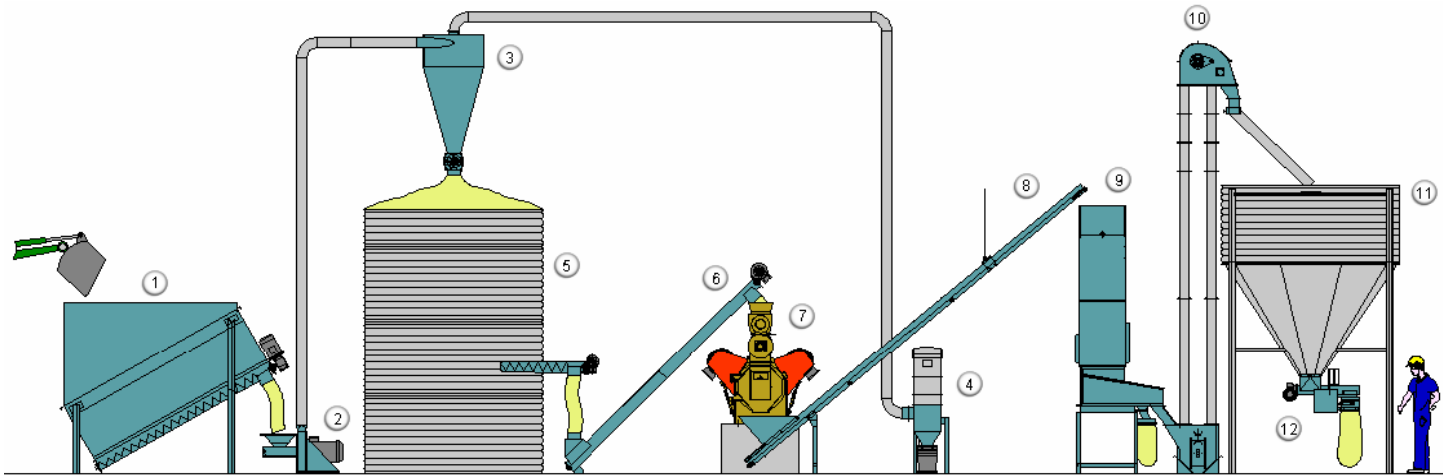
- 1 thermal cutout,
- terminal block,
- 1 indicator with programmable threshold



13 - Electrical control cabinet:

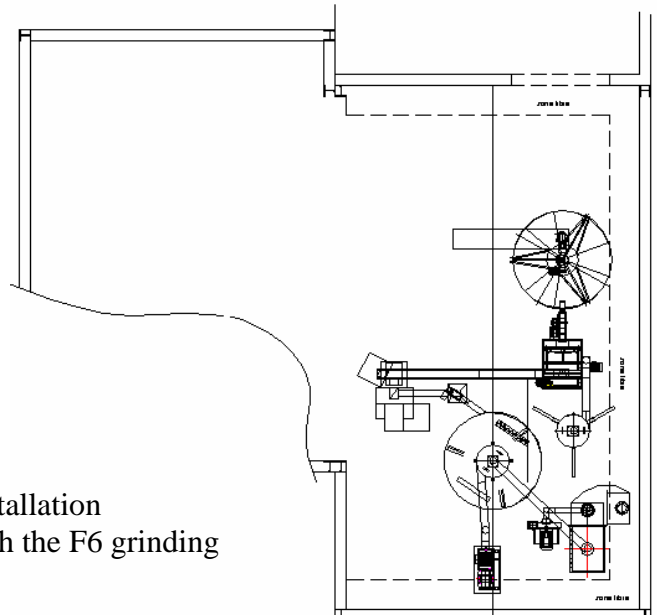
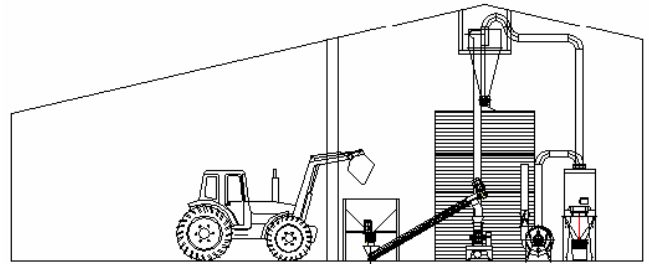
Auto y-delta starting, checking ammeters, circuit breakers, frequency converters, etc.

Pelletising unit with the BC grinding mill



Installation example:

- 1 Bucket loading hopper
- 2 BC grinding mill
- 3 Cyclone separator with rotary discharger
- 4 Filter
- 5 Rotary extractor
- 6 Lifting auger
- 7 Pellet press
- 8 Belt lifter
- 9 Chiller - sifter
- 10 Bucket lifter
- 11 Storage bin
- 12 Electronic bagger
- 13 Electrical cabinet



Installation
with the F6 grinding

The technical specifications may be subject to change without notice



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