

# COMPACT 150T



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The COMPACT 150T is constituted from a blade mill Mod.BA 33/26, a cell granulator Mod. Turbo 1/12 and a “dry” separator Mod. 150F.

- The blade mill disintegrates the material for cut and collision for means of a blade rotor that turns shaving to one stator of knives inserted on the wall of the milling room. Inner the material milled remains in the milling room until the largeness controlled from the sieve and then dragged in the below collector from the air jet produced from high speed of spin.
- The cell granulator (Atomizer) provides dry milling of the material to be processed, with spraying of the materials (see wire in electrical cables) by means of forced passage between hammers and toothed rims inside the machine. The mechanical beating action reduces the materials to a roughly uniform size with the resulting benefit (in the case of electric cables) that it is easier to separate their component parts. Another advantage over traditional mills comes from the need for less machine maintenance.
- The "dry" separator is a machine designed to divide milled or sprayed materials that have different specific weights. They have an exceptionally broad field of use, from the separation of milled electrical cable to various plastics, wood, metal, marble chips, etc. The “F series” machine consists of a pressed steel body, a sloping vibrating table, an air generator with self-cleaning sleeve filter and air recycling and an appropriate electrical panel. The separation process is performed by loading the material onto the vibrating table, either directly from the hopper or better still with a rotary valve doser. The product is separated by dosing air onto the vibrating table so as to make the lighter product float above the heavier one. This means the heavier one advances towards the front outlet of the machine while the lighter one slides towards the rear outlet. For this operation the air and the slope of the table have to be set according to the materials to be separated; this is very simple to achieve from the outside of the machine.

## TECHNICAL SPECIFICATIONS.

- The cell granulator type 1/12 is part of a family of machines that have different specifications and dimensions. The first number identifies the number of blade holder discs (more commonly called cells) and the second number gives the number of blades for each rotating disc. The central body and the motor rest on a base made of metal. This is a guarantee of considerable sturdiness and compact dimensions for the machine as a whole.

Below, we give the main technical specifications for the above model:

- Electric motor.....	7.5 kW
- Speed of rotation of motor.....	1450 rpm
- Diameter of motor's drive shaft.....	38mm
- Diameter of granulator's drive shaft.....	38mm
- Delivery speed.....	1450rpm
- Number of cells.....	1
- Number of blades.....	12
- Diameter of intake pipe.....	60 mm
- Diameter of outlet pipe.....	60 mm

- The model SP150/F separator is part of a family of machines that have different specifications and dimensions. The model number identifies the working width for separation of the vibrating table. The machine, vibrating body and filter rest on a plate metal base that measures 1045 x 1090 mm, which guarantees it rests on a stable point and has its weight evenly distributed.

Below, we give the main technical specifications for the above model:

- Fan Electrical motor.....	1.5 kW
- Speed of rotation.....	2900 rpm
- Fan air capacity.....	2200 m <sup>3</sup> /h
- Vibrators electric motor.....	0.12 kW (each)
- Speed of rotation.....	1000 rpm
- Vibrating table dimensions.....	800 x 190 mm
- Diameter of cartridge filter.....	400 mm
- Diameter of intake outlet pipe.....	120 mm
- Noise level.....	70 db

The data referring to the production is approximate, since it depends on the type of material being separated. The data mentioned in the technical specifications refers to the electric cable.

- The blade mill Mod. BA33/26 is part of a family of machines that have different specifications and dimensions.

Below, we give the main technical specifications for the above model:

- Electric motor.....	5.5 – 7,5 – 9,2 Kw
- Speed of rotation of motor.....	950 rpm (6p) – 1425 (4p)
- Fixed blades.....	2
- Mobile blades.....	3
- Rotor motion diameter.....	260mm
- Rotor revolutions.....	285 rpm (6p) - 430 (4p)
- Noise level.....	78 - 95 db

Below, we give the main technical specifications for the COMPACT 150T:

- Max. dimensions.....	1045x2380 H= ~2500mm
- Weight of machine.....	~ 1480 kg
- Production.....	150 – 200 kg/h

