

GRINDING SYSTEM FOR ELECTRICAL CABLES MOD. MC 500, DESIGN NO. 98.01.01/A
AVERAGE HOURLY GRINDING RATE OF APPROX. 400-500 KG OF ASSORTED ELECTRICAL CABLES, WITH A 50% COPPER CONTENT.

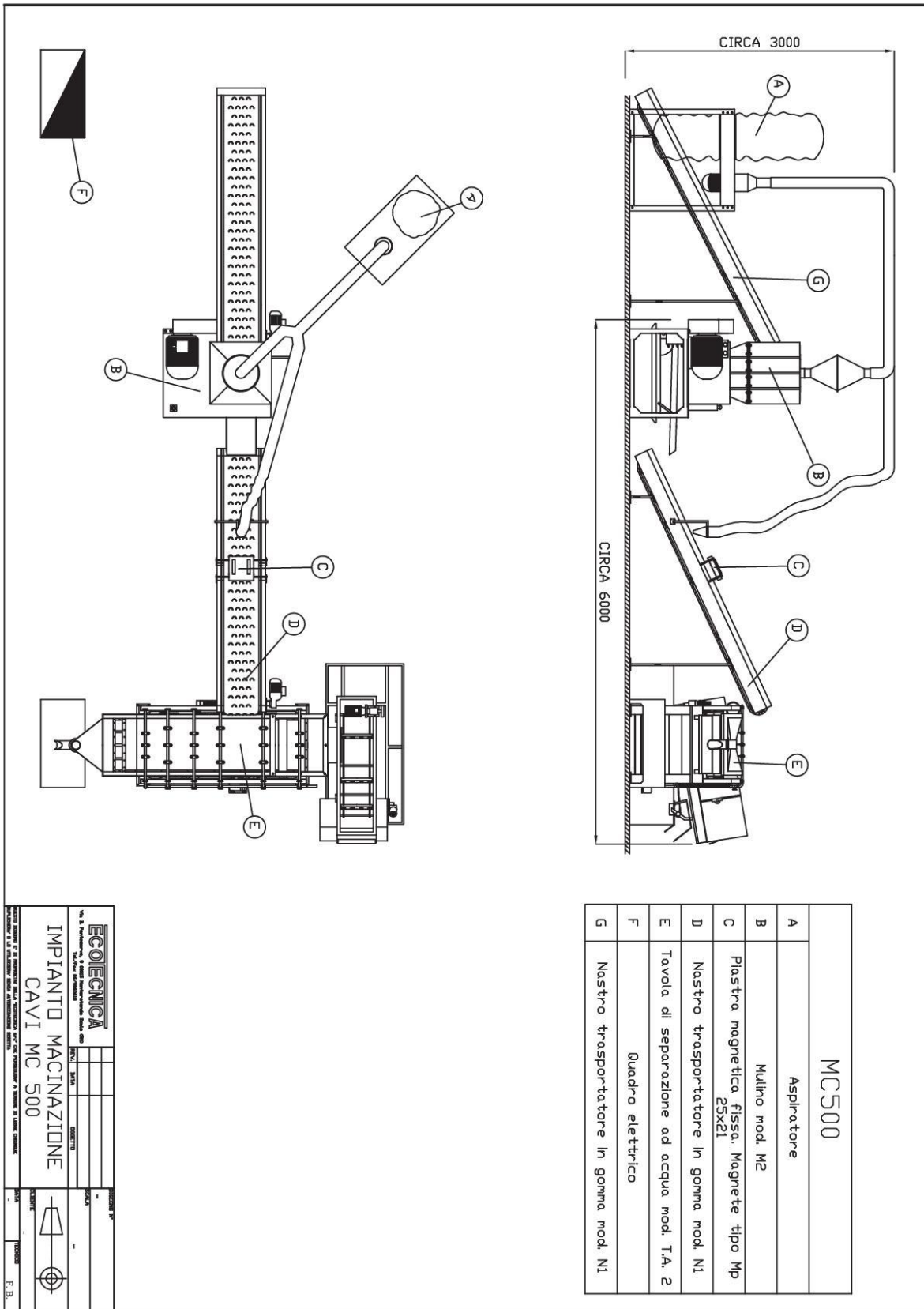
THE SYSTEM CONFORMS TO E.C. REGULATIONS AND IS MADE UP OF:

- 1) **CONVEYOR BELT mod. N1 (G)** Conveyor of shredded material; driven by electrical gear motor, .75 kW capacity, 400 Volts, 50 Hz., tri-phase; rubber belt extends to 3.200 x 400 mm, with special teeth that ensure excellent collection and transport of material to be processed; edges protected by brushes on loading side to ensure that material does not fall off the belt; metal slide under discharge side to convey and collect any material not discharged; equipped with brackets to hold magnetic plate and aspirator pipe.
- 2) **N. 1 GRANULATING MILL MOD. M2 (B)** To grind material into granules of desired size; Made up of a rotor containing the cutting blades, driven by an electrical motor; Equipped with stationery counter blades that cut the materials down to the size of the holes in the grill, set under the rotor, through which the material then passes; The type of grill used (available with holes in a variety of sizes) determines the size of the granulate, the degree of separation of the materials and the production rate. Capacity 22.37 kW, 400 Volts, 50 Hz; tri-phase; Diameter of rotor: 240 mm.; Equipped with 48 interchangeable blades set on three propellers on the mill rotor, 4 adjustable, interchangeable counter blades set on mill frame; 2 grills, diameter 5 mm and 4 mm, included. Includes vibrating extractor with 0.37 kW capacity, 400 Volt, 50 Hz.
- 3) **1 DUST ASPIRATOR (A)**, capacity 2.2 kW, 400 Volts, 50 Hz; aspiration-filtering system consists of an open-blade ventilator with top-facing air inlet, a metal body where dust is blown in; equipped with filters (bags or cartridges) on top and bags on the bottom to gather waste material.
- 4) **CONVEYOR BELT mod. N1 (D)** Conveyor of shredded material; driven by electrical gear motor, .75 kW capacity, 400 Volts, 50 Hz., tri-phase; rubber belt extends to 3.200 x 400 mm, with special teeth that ensure excellent collection and transport of material to be processed; edges protected by brushes on loading side to ensure that material does not fall off the belt; metal slide under discharge side to convey and collect any material not discharged; equipped with brackets to hold magnetic plate and aspirator pipe.
- 5) **1 STATIONERY MAGNETIC PLATE 250x210x70 (C) MP 25x21**, made up of a steel plate that holds powerful, high-induction, stationery magnets, appropriately calculated, that ensure excellent depth of field. Size: 250 x 210 – Sp 70 mod. MP. Magnetic force 100 Gauss at a distance of 200 mm.
- 6) **DENSIMETRIC SEPARATION TABLE - WATER SYSTEM, MOD. T.A.2 (E)** vibrating metal table, specially treated and painted with corrosion-resistant epoxy dust paints; rubber-covered work surface includes the water pump for the shower system, which is made up of 21 adjustable sprayers fed through rigid PVC pipes. The movement gears (eccentric and fulcrum) are supported by double row ball bearings to ensure perfect

support of the axes that are subjected to oscillation and vibration. Equipped with a belt for waste material with a steel-section weight-bearing structure, and stainless steel carter container and water collection basin. The waste material belt is in the carter container, and is made up of two metal chains linked with six metallic sections to which the plastic palettes are applied. Densimetric table dimensions: 950 x 3.200 x 1.290 mm. Pump capacity: 0.75 kW, 400 Volts, 50 Hz, tri-phase. Vibrating table capacity: 0.75 kW, 400 Volts, 50 Hz., tri-phase. Evacuation belt capacity: 0.5 kW, 400 Volts, 50 Hz., tri-phase, Water tank standard.

- 7) **N.1 ELECTRICAL BOARD (F)** equipped with the command and safety switches for all components described above, and amperometer to control electrical current absorption of the M2 mill.





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