GRINDING SYSTEM FOR ELECTRICAL CABLES MOD. MC 1000, DESIGN NO. 98.01.03/A, for an average estimate hourly grinding rate of approx. 800 – 1000 kg. of assorted electrical cables with 50% copper content.

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

1. **1 DUST ASPIRATOR (A)** capacity 3.0 kW, 380 Volts, 50 Hz, for pre-grinder mod. PC 650 (for cables that produce a lot of dust during granulation); 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.
2. **1 PRE-GRINDER mod. PC 650 (B)** Capacity 55 kW, 380 Volts, 50 Hz., tri-phase. Equipped with 4 stationary blades and 12 mobile blades mounted on the rotor. Rotor diameter 400 mm, rotor length 650 mm.; Includes one grill with choice of hole size: 12, 14, 16, 18, 20, 22 mm, etc. Includes one vibrating extractor, capacity .37 kW, 380 Volts, 50 Hz; tri-phase.
3. **N. 1 CONVEYOR BELT mod. N4 (C)** Conveyor/transporter of shredded or other materials to be processed; driven by electrical gear motor, 0.92 kW capacity, 400 Volts, 50 Hz.; rubber belt extends to 6000 x 500 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. Inclination of the conveyor belt 45°.
4. **1 BELT MAGNETIC SEPARATOR (E) mod. DN 25.40.10:** magnetic separator with stationery magnets and evacuation belt for metallic fraction. Rubber belt with special teeth that enhance transport of material attracted by the magnet. Type D08 natural air-cooled belt deferrizer. Size: 600x950x250 ; magnetic plate 250x400x100 ; belt size 300 mm wide x 800mm long ; motor capacity 0.37 kW, 380 Volts, 50 Hz, tri-phase ; Stand included; weighs100 kg. Equipped with stainless steel bar frame, electromagnets in continuous current to facilitate separation, extractor belt in rubber, type flat 250, 3 ply, extends to 300 x 2,000 mm, equipped with 5 25 x 25 transversal listels, and driven by a Siemens electrical motor 230/400, 4 poles B5, HP 0.5. Stand included.
5. **1 AUTOMATIC FEEDER mod. AA5 (D)** to gather dry granulate and automatically redistribute it in the desired quantities and speed. The automatic feeding hopper has two fundamental parts: the feedbox and the moving belt. The feedbox is completely open on the top for loading and has a funnel on the bottom from which the material exits. One side of the feedbox opens onto the belt, in order to further regulate the quantity of material redistributed. It sits on vibration-absorbing brackets that hold it to the frame. The moving belt is driven by a variator motor that moves the accumulated material at the desired speed to the next step in the process. The frame allows the user to regulate the height of the entire machine. Motor capacity: 3 kW, 380 Volts, 50 Hz tri-phase; variator motor speed 0.75 ÷6 g/min.; belt speed:

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1.5÷8 m/min.; size: width 950 x length. 3,200 x height 2,400 min. – 3,200 max. Capacity 5 cubic meters.

6. **1 CONVEYOR BELT mod. N2 (F)** links the Rotary shears K107B to the Mill M2, with an automatic electrical control system. Rubber belt with special teeth that ensure excellent collection and transport of shredded material; 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. Length 400 mm; 75 kW motor capacity, 380 Volts, 50 Hz., tri-phase; weight 135 kg .
7. **1 GRANULATING MILL M2 (A2) (G)** 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, 380 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 .37 kW capacity, 380 Volt, 50 Hz.
8. **1 DUST ASPIRATOR (M)** capacity 2.2 kW, 380 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.
9. **CONVEYOR BELT mod. N1 (I)** 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.
10. **N. 1 MAGNETIC PLATE (H)** 250 X 200 mm
11. **1 DENSIMETRIC SEPARATION TABLE - WATER SYSTEM, MOD. T.A.2 (L)** 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 11 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: 2,400 x 400 mm. Pump capacity: 0.75 kW, 380 Volts, 50 Hz, tri-phase. Vibrating table capacity: 0.75 kW, 380 Volts, 50 Hz., tri-phase. Evacuation belt capacity: 0.5 kW, 380 Volts, 50 Hz., tri-phase.

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12. **1 ELECTRICAL BOARD (N)** adapted to operate the entire MC 1000 system. Includes amperometer with Mill M2 overload control indicator.

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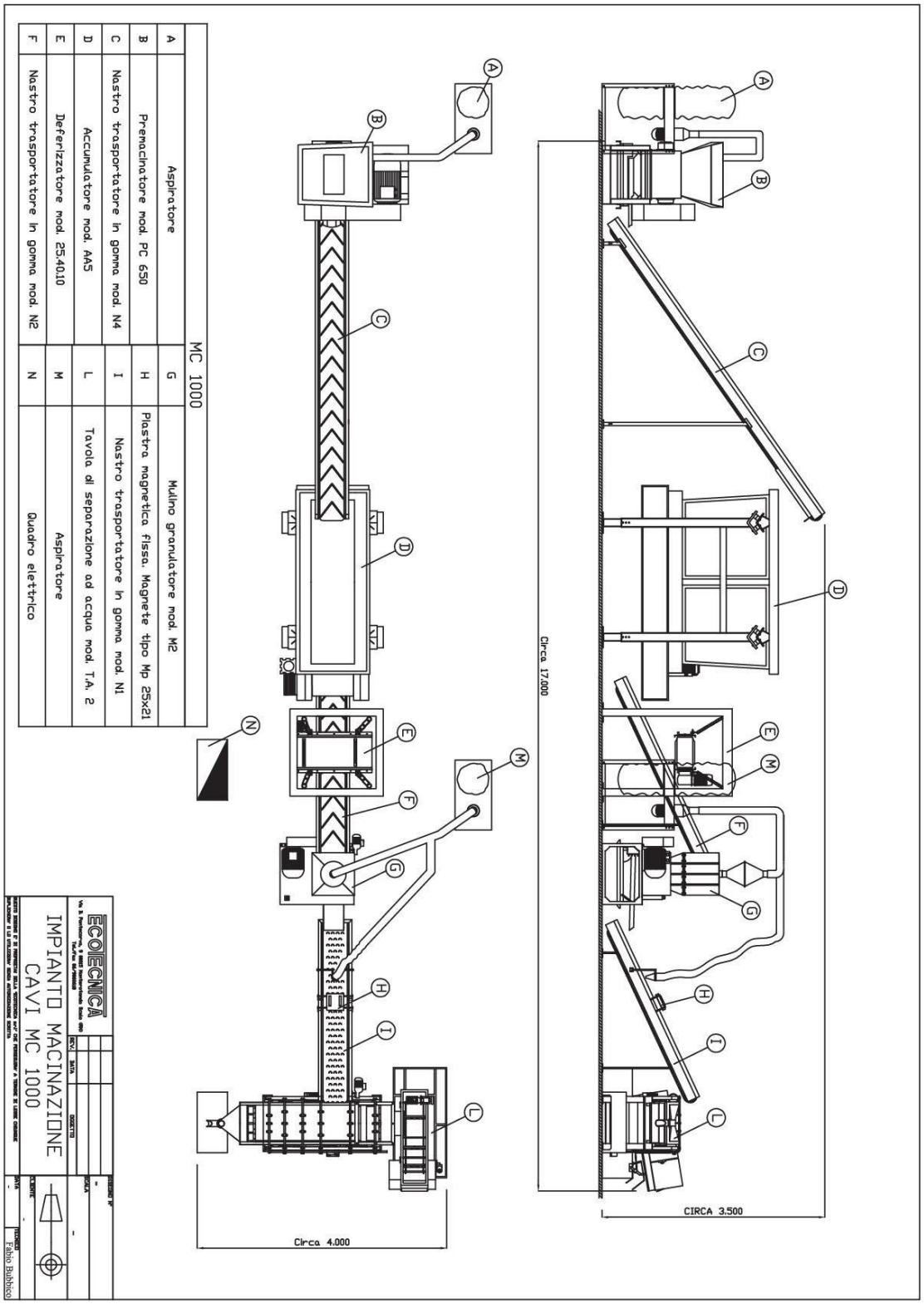

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