




**ENGLISH**



<i>Manufacturer</i>	GHIDINI BENVENUTO s.r.l.
<i>Product</i>	Form finisher <b>Majestic V</b>
<i>Year</i>	2003
<i>Certification</i>	

## CONTENT

1	INTRODUCTION	10	WARNINGS
2	GENERAL DESCRIPTION	11	DIMENSIONS AND SCHEMES
3	IDENTIFICATION OF THE MACHINE	12	MAINTENANCE OPERATIONS
4	TECHNICAL DATA	13	DISCHARGE
5	COMPONENTS	14	SPARE PARTS ORDER
6	PACKING AND INSTALLATION	15	MOVING AND TRANSPORT
7	OPERATING INSTRUCTIONS	16	WARRANTY
8	PROBLEMS AND SOLUTIONS	17	CONFORMITY CERTIFICATE
9	PRECAUTIONS		

## 1 INTRODUCTION

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These operating and maintenance instructions refer to the form finisher "Majestic A".

It is possible to obtain the last version of the present instructions requiring it to the Sale and Technical Department or visiting our web site web [www.ghidini-gb.it](http://www.ghidini-gb.it).

This manual contains important instructions for the health safety and security of the operators. Read attentively and keep it carefully to be always at the disposal of the operators.

Ghidini s.r.l. cannot be held liable for any damage to things or injury to persons caused by an improper use of the machine in contrast with these instructions.

Any eventual modification or different use of the machine must be previously authorized through a written document by Ghidini s.r.l. otherwise the manufacturer can be considered free even from the guarantee bond.

## 2 GENERAL DESCRIPTION

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The form finisher "Majestic V" is a useful instrument for the ironing of coats, jackets, dresses, skirts, etc.

The machine must be connected to external electric and steam supplies to operate.

This machine is equipped with an electronic card for the setting of a total of 19 ironing cycles.

It is an easy and efficient instrument of work, thanks to its control pedal.

## 3 IDENTIFICATION OF THE MACHINE

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On the lid of the terminal board electrical connections a metal rating plate quotes the model, serial number, the year of construction and electrical and pressure feeding.

## 4 TECHNICAL DATA

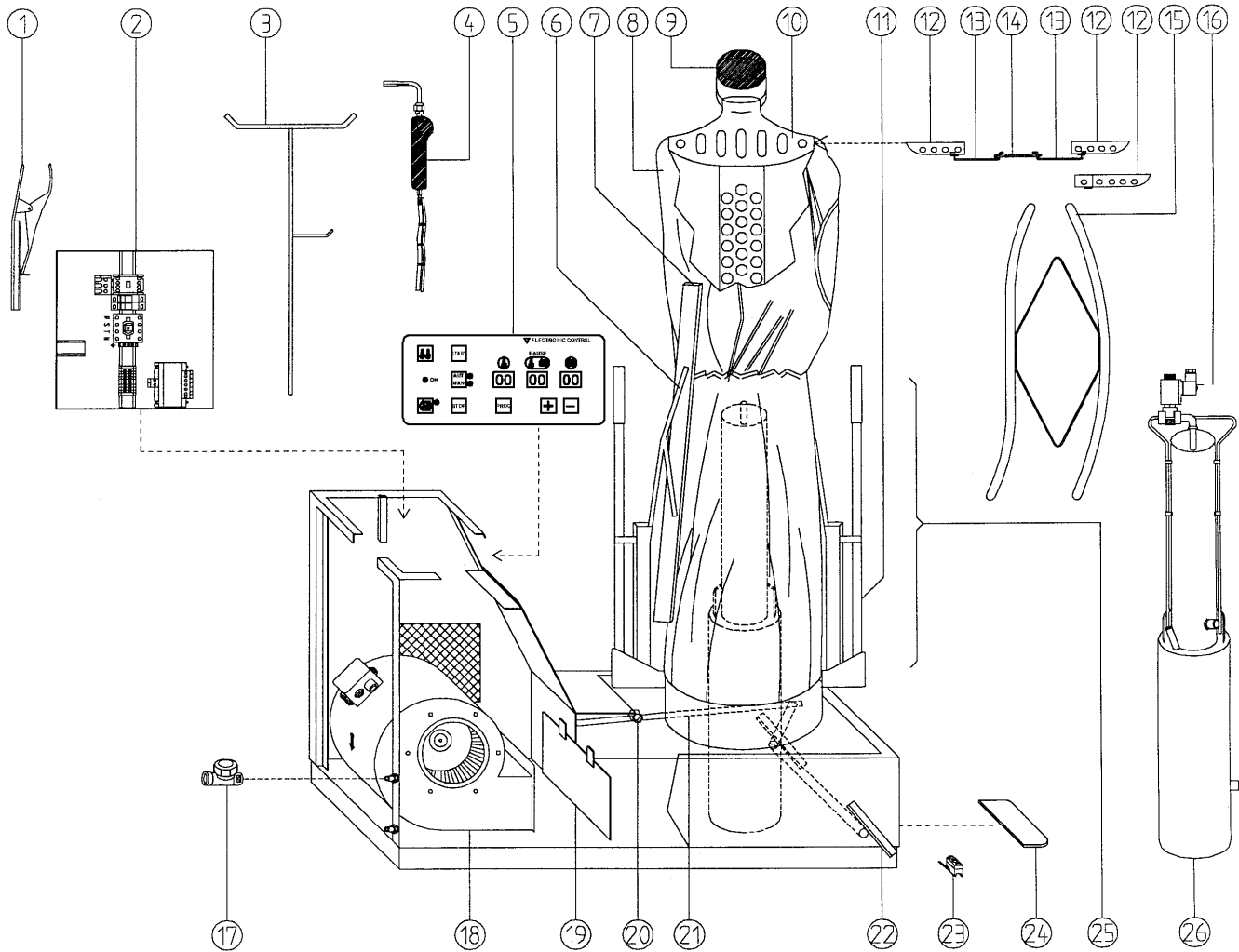
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TECHNICAL DATA	
Electrical feeding	220/380V – 3Ph – 50 Hz
Electrical consumption	1 Kw
Steam feeding	3 bar min. - 6 bar max.
Steam pressure	5 bar
Steam consumption	12,5 ÷ 18 Kg/h
Fan motor power	1 HP
Sound pressure level	< 70 dB(A)
Operating temperature	+ 5 ÷ + 80 °C
Operating humidity	90 % max.
Stocking temperature	- 20 ÷ + 50 °C
Dimensions	1200 x 580 x 1620 mm.
Net weight	82 Kg
Overall dimensions (with packing)	1270 x 680 x 1800 mm
Gross weight (with packing)	121 Kg

**ATTENTION:** Check that the supplied voltage and pressure correspond to that indicated on the previous scheme.

## 5 COMPONENTS

The main parts of the machine are:



Pos.	CODE	DESCRIPTION	Pos.	CODE	DESCRIPTION
1	Z20L01	Stainless steel clamp	12	173351	MAXI sliding shoulder
2	30B024	Electrical panel	13	184008	Tie rod for dummy shoulder
3	173039	Antenna	14	184306	Plate for tie rod for dummy shoulder
4	Z07A00	Steam gun	15	Z20M01	Sleeve stretcher
5	25L041	Control card	16	39A009	Steam solenoid valve G 3/8"
6	172011	STANDARD sliding block pushing	17	38F004	Condensate drain
	172012	MEDIUM sliding block pushing	18	42C005	Fan
	172013	MAXI sliding block pushing	19	163031	Stainless steel plate
7	234026	Sliding block sponge	20	184317	Rod slide
8	273212	MINI dummy cloth	21	184343	Air adjusting rod
	273210	STANDARD dummy cloth	22	173030	Left pedal
	273211	MAXI dummy cloth	22	172014	Right pedal
9	52A001	Hand wheel	23	43D002	Microswitch of lever
10	Z20B00	Dummy MINI	24	172015	Frontal pedal
	Z20A00	Dummy STANDARD	25	Z20G00	STANDARD complete sliding block
	Z20C00	Dummy MAXI		Z20H00	MINI complete sliding block
11	183263	Threaded rod		Z20I00	MAXI complete sliding block
12	173352	STANDARD sliding shoulder	26	201084	Condensate separator tank

## 6 PACKING AND INSTALLATION

**ATTENTION:** The unit must be installed, opened and repaired by fully qualified technicians only.

### 6.1 UNPACKING

Find the most suitable place where to put the machine, then remove it from the packing and check that it is intact. The packing materials do not need special precautions to be discharged, for they are not dangerous or polluting. Look at the local rules in force to discharge them.

### 6.2 INSTALLATION

The machine does not need to be anchored to the floor, except for installation on self-moving means, where it is necessary to use the holes on the base for the right fixing.

For a correct use and operation, as well as for an easy maintenance, leave a free space around the machine. Do not put the machine in dangerous or inflammable places.

### 6.3 ELECTRICAL CONNECTION

Electrical connection must be carried out as indicated in the scheme. Check that the supply voltage corresponds to that indicated on the rating plate. The dimensions of the feeding cable must be adequate to the machine absorption and in conformity with the laws in force. To ensure safe connection to the main supply, use a magnetothermal switch or otherwise a switch with fuses.

Put the cable in the hole of cable clamp and close. Connect the cable to terminals of electrical arrival on the control panel, as shown in the scheme of these operating instructions.

### 6.4 CONNECTION TO CENTRAL STEAM SUPPLY

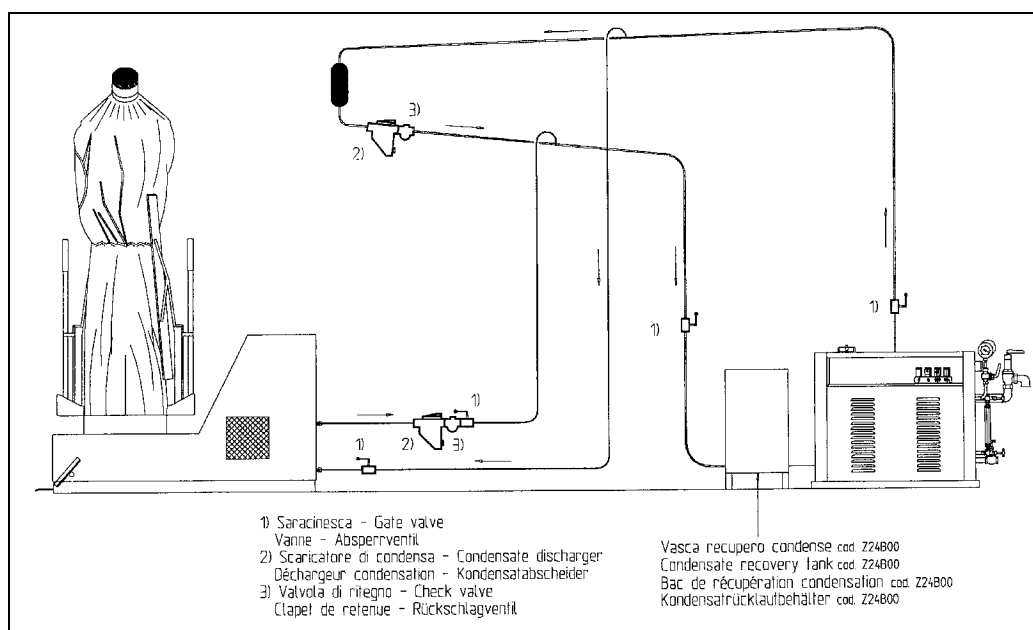
In case of connection to a central steam supply execute as follow:

Connect a pipe of G 3/8" to the highest part of the inlet steam pipe of the steam central plant. Assemble an intercepting valve near the machine. Connect a pipe (threading G 3/8") with an internal diameter of not less than 10 mm to the steam inlet of the machine. Carry out the condensate back flow pipe connection, following the same instructions and assembling a condensate drain with filter near the machine and then an intercepting valve and then a non return valve. For the connection to the non return valve use a pipe with an internal diameter of not less than 10 mm. The max. steam pressure must be of 6 bar.

Do not fold the pipes with an angle of 90°, but curve them with a min. radius of 50 mm. and an invariable inclination, especially for the condensate back flow pipe.

Do not make siphons and do not connect traps, pipes or gate valves with a diameter smaller than the pipe. Do not use pipes longer than 2,5 m. The condensate back flow hole of the machine must be 150 mm. higher than the water level inside the boiler.

**ATTENTION:** At the end of the electrical connection, check that the cables are well fixed, isolated and protected from bumps.



## 7 OPERATING INSTRUCTIONS

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### 7.1 OPERATION

- Installation and maintenance must be carried out by qualified technicians only.
- Do not use the machine plunged in fluids, in dangerous or inflammable places.
- Do not ignore the dangers for the operators health and follow the hygienic and safety prescriptions.
- Use always suitable pipes for the working pressure.
- Check that the electrical connection is correctly carried out respecting the laws in force and that the fuses boxes are closed and complete with fuses.

### 7.2 VERIFICATIONS BEFORE WORKING

- Check that the machine is intact.
- Check the connection to the steam supply.
- After the connection and the switching on, set the program of the working cycles (see next paragraph). Before starting, always check that the steam taps are open.
- Wait for some minutes in order to allow to the machine to reach the working temperature.
- Check that the steam circuit is working, pushing intermittently the manual steam switch
- At the beginning of ironing operations, if some condense is lost by the machine, push and keep on pushing on the steam button to get easier the activity of the steam circuit.
- **Pay attention to the danger of burns during the operations.**
- If the machine is new or it has not been used for a long period of time, carry out some ironing cycles without clothes.

### 7.3 PROGRAM SETTING

Upon switching on, the program version will appear, by flashing on the left-hand display for about 4 seconds. The front panel features 8 push buttons:



#### **Manual steam:**

- If pressed, you activate the steam control.



#### **Manual blowing:**

- If pressed, the machine changes over to the blowing control FLIP/FLOP (the function is displayed by the relevant LED).



#### **Start:**

- This button starts the working cycle.



#### **Stop:**

- If pressed, you interrupt the working cycle.



#### **Manual/Automatic:**

- If pressed, you interchange the two functions, displayed by the relevant LEDs.
- The manual function activates the working cycle only by pressing the START button on the front panel.
- On the other hand, you can activate the automatic working cycle by a remote control or by an automatic starting device.



#### **Programming:**

- If pressed briefly, the display shows the current program number for about 1 second. During its display, it is possible to modify it by the relevant +/- buttons.
- If pressed for more than 3 seconds, it allows to change the operational settings.
- Upon each pressing, the program function moves one step forward, until the end of the programming is reached.
- The programming steps are as follows:
  - Program number (1 ÷ 19)
  - Steaming time expressed in seconds (0 ÷ 99)
  - Steaming and blowing time expressed in seconds (0 ÷ 99)
  - Blowing time expressed in seconds (0 ÷ 99)

**Plus-button::**

- Upon programming, this plus-button allows to modify the displayed, flashing number (seconds) by increasing it.
- Outside the programming phase, it can display the count of the effected operations for about 1 second (stroke-counter).
- If you press the minus-button for more than 3 seconds while the stroke-counter is displayed, the same will be reset.

**Minus-button:**

- Upon programming, this minus button allows to modify the displayed, flashing number (seconds) by decreasing it.
- If you press the minus-button for more than 3 seconds while the stroke-counter is displayed, the same will be reset.

The working cycle features 3 different times in sequence:

- Steaming time.
- Steaming and blowing time together (or of pause, if you press the relevant button).
- Blowing time, only.

The flashing ON-LED signals, that the working cycle has started, by activating at the same time the relevant output, whereas the displays show the decreasing time of the different steps. In case you select the PAUSE option, the central display unit will be flashing during the working cycle. At the end of the working cycle, the machine up-dates the cycle count, resets the timers of the different cycle steps, and is ready for a new cycle START.

The remote STOP-pedal features two different functions:

- If you press on the pedal for more than 2 seconds, it activates the manual blowing.
- if you press from 0.1 to 2 seconds on the same, it deactivates the manual blowing, if previously activated, or it stops the working cycle of the machine, if running.

#### 7.4 USE

- Regulate the dummy shoulders width in the narrowest position with the hand wheel.
- Set a position for the skirt of the cloth depending on the length of the garment to iron.
- For garments with long sleeves open the zip fasteners on the sides of the cloth.
- Put the garment on the dummy and then regulate the shoulders' width by making them coincide with the shoulders of the garment.
- The dummy is supplied with two shovels, one in front and the other one on the back. The back shovel is for the fastening of the slit or the central pleat of the garment, while the front shovel is used to close the opening on the garment without having to button it.
- The shovels can be released by holding the handle and pulling it towards you. The same handle allows you to regulate the pressure of the shovels on the garment: turning it clockwise increases the pressure, turning it counter clockwise decreases the pressure. A good regulation of the shovel pressure will not let the edges of the garment slip away and also will not mark the garment itself.
- The machine is also supplied with two clamps for the closing of lateral slits.
- Slip the stretchers in the sleeves until they correspond with the sewings.
- Close completely the air valve on the fan by operating on the pedals located at the two sides of the machine. By pushing the pedal towards the back the valve closes itself.
- Switch on the fan and open gradually the air valve on the fan itself until the garment is swollen without being deformed. Once you have finished the regulation switch off the fan.
- Set the duration of the ironing cycle with the timers.
- Start up the working cycle by pushing on the central pedal and wait for the end.
- Remove the ironed garment.
- The machine is ready for another working cycle.
- To stop the machine push the STOP button even during the working cycle. The machine stops and it is automatically ready for another ironing cycle.

## 8 PROBLEMS AND SOLUTIONS

The following scheme shows the main troubles and the corresponding causes and solutions. In case of doubts or unresolved problems, do not look for the trouble, taking off pieces of the machine, but contact the Technical Office or seller of Ghidini products.

PROBLEMS AND SOLUTIONS		
TROUBLES	POSSIBLE CAUSES	SOLUTIONS
<b>The machine does not work.</b>	Main power failure	<i>Check that the supply terminals are live.</i>
	Fuses are blown	<i>Check fuses</i>
<b>Lack of steam</b>	Steam inlet tap is closed	<i>Open steam inlet tap</i>

## 9 PRECAUTIONS

Read carefully the instructions and the risks related to the use of a form finisher. Operators must know operating system and clearly understand its dangers through the manual.

### **Main electrical supply**

Prior to carrying out any inspection or work on the machine, disconnect it from the main electrical supply and make sure that nobody can connect it again during the technical operations. All the electrical or electronic machines or basic structures installed must be connected to the earthing system.

### **Inflammability**

Adopt all the necessary precautions to avoid any direct contact with hot materials or flames. Put fire extinguishers near the machine for an immediate intervention in event of fire.

### **Pressure / Steam**

Before each intervention switch off the boiler and check that residual pressures are not inside every single branch of the hydraulic circuit. They could cause steam sprays in case of dissembling of pipes or components.

### **Noise**

The noise emission is not excessive, because it remains under 70dB(A).

## 10 WARNINGS

The verification of conformity to the essential safety rules and to the dispositions included in the machine directive is carried out filling the checking lists arranged in advance and included in the technical file.

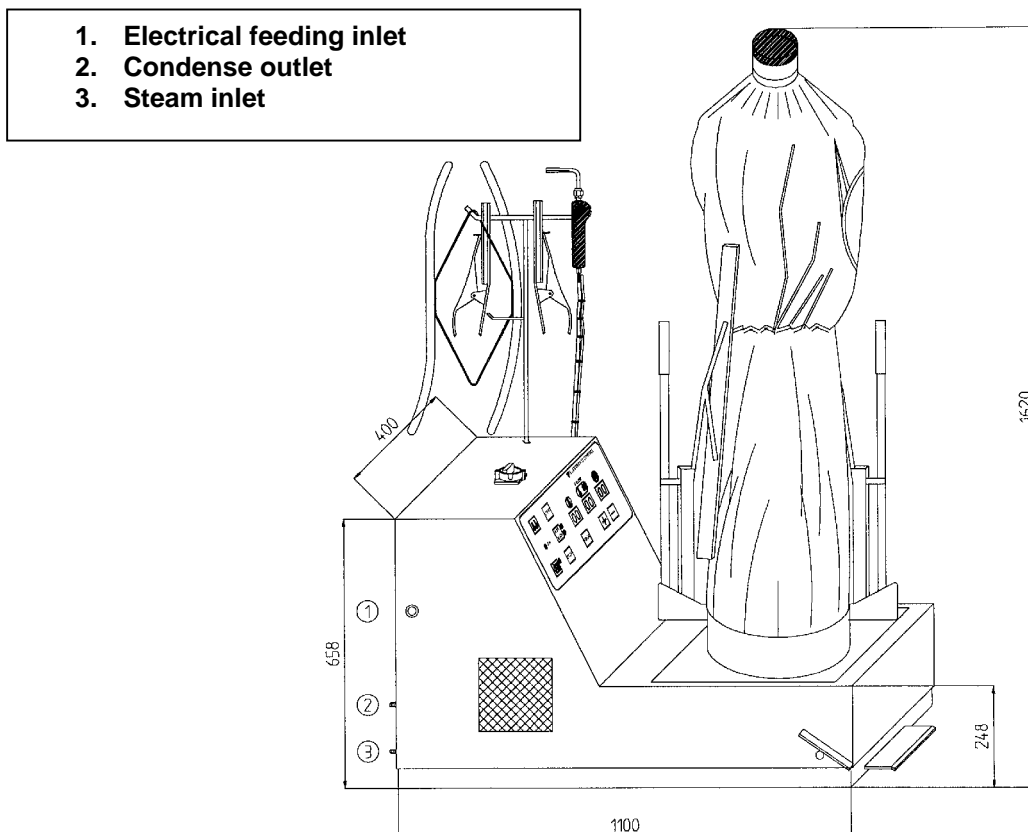
The checking lists are of two kinds:

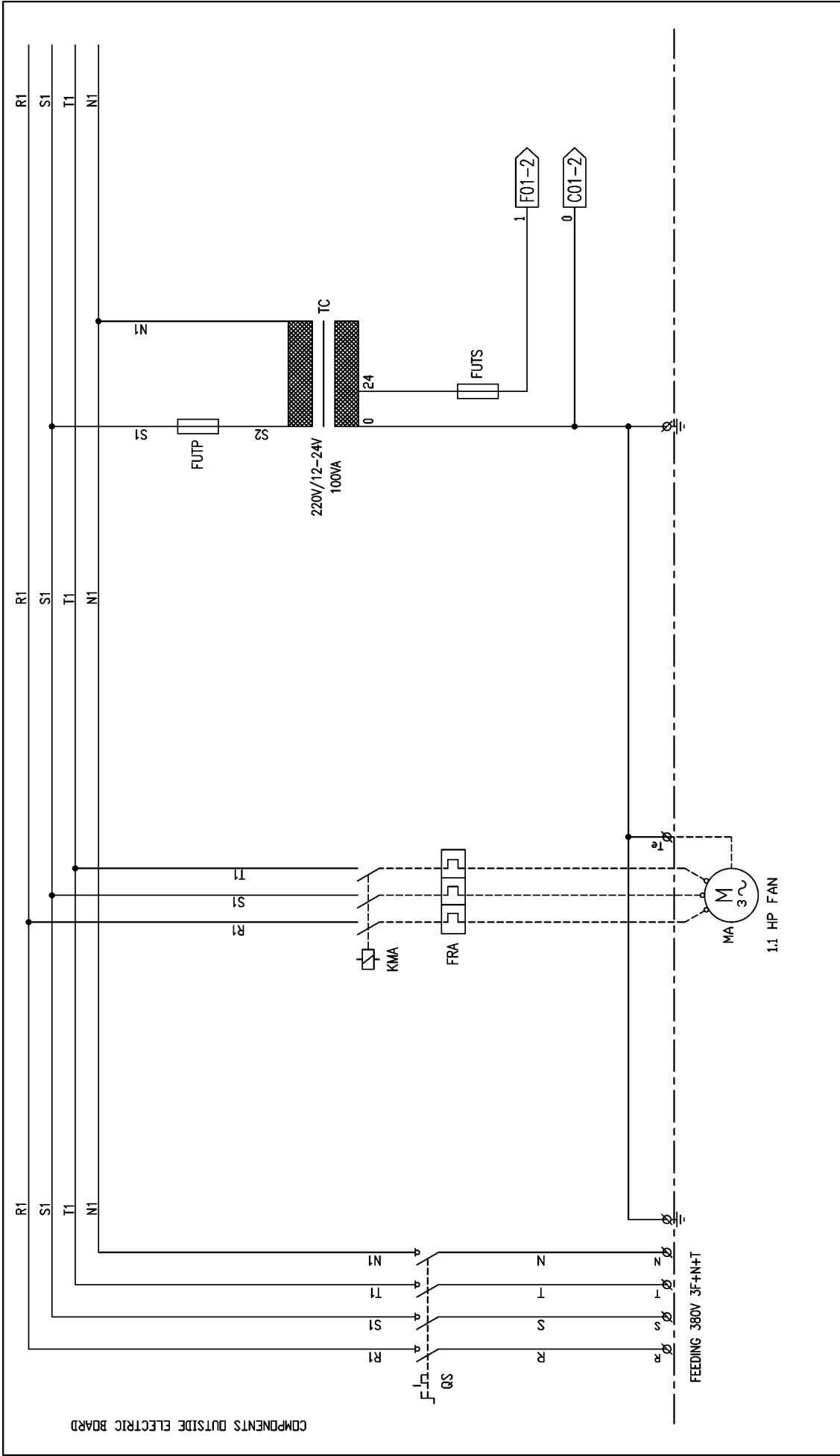
- List of dangers (extract from EN 1050 referring to EN 292).
- Application of the essential safety characteristics (Dir. Machine – encl. 1, part 1)

**The dangers described in the following items have not been completely eliminated, but they have been considered acceptable:**

- During the maintenance operation there could be some sprays of steam, at low pressure (maintenance operation must be carried out using suitable protection devices)
- Protection against direct and indirect contacts must be adopted by the user.

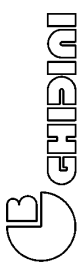
## 11 DIMENSIONS AND SCHEMES



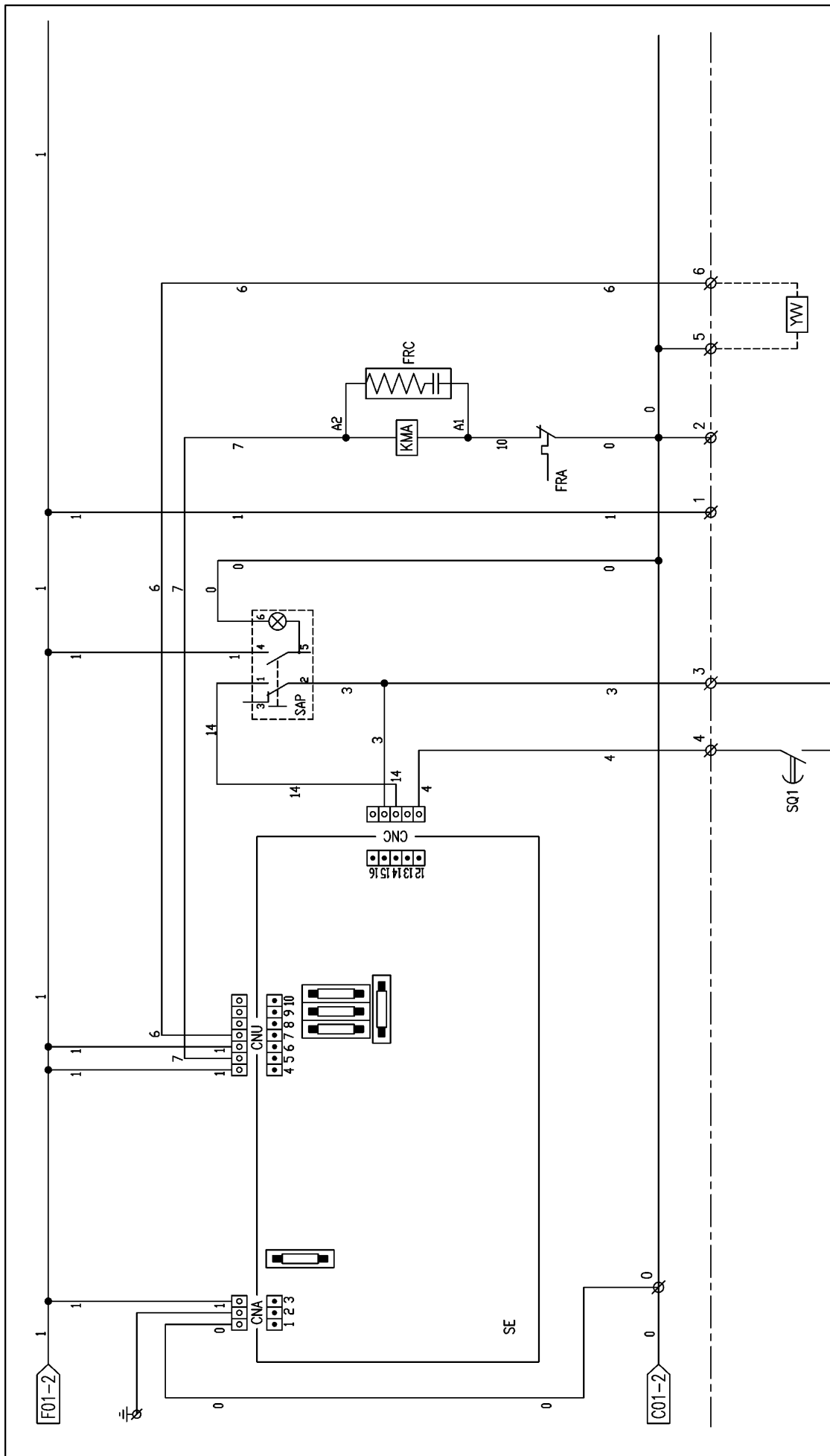


COMPONENTS OUTSIDE ELECTRIC BOARD


- QS: ISOLATING SWITCH In=40A - cod.: 43A038
- KMA: FAN CONTACTOR - cod.: 44A012
- FRA: THERMO-RELAY 2,5-3,7 A - cod.: 44C010
- TC: TRANSFORMER - cod.: 44T009
- FUTP: FUSE 2A - cod.: 43F016
- FUTS: FUSE 8A - cod.: 43F010

Denominazione Description		MAJESTIC V/S ALIMENTAZ. 3F+N+T	
Titolo Descriz.		SCHEMA ELETTRICO ELECTRICAL WIRING	
3	Data	08/12/03	Dis. NG
2	Dis. A.G.		Dwg. SE980421
1	Modificato scheda el.	07/03/07	Foglio Segue
1	Verificata Crittica	07/03/07	1/2
	Appr.		2/2
 S. Giuliano Milanese			
QUESTO DISEGNO VIENE CONSEGNATO ALL'ESPRESSIONE CONDIZIONE CHE NON VIENGA SENZA NS/ CONSENSO NE RIPRODOTTO NE CEDUTO AD ALTRE DITTE			





- SAP: PAUSE SWITCH cod. 43A035
- SE: ELECTRONIC CARD cod. 25L041
- KMA: FAN CONTACTOR cod. 44A007
- FRC: FILTER RC
- YW: STEAM SOLENOID VALVE
- SQ1: CYCLE START PEDAL
- FRA: THERMO-RELAY OF THE FAN

Denominazione Description		MAJESTIC V/S SUPPLY 3PH+N+E	
Titolo Descriz.		SCHEMA ELETTRICO ELECTRICAL WIRING	
3	Data	08/12/03	Dis. NG
2	Dis. A.G.		Dwg. SE980421
1	Modificato scheda el. / Circuitry Date	07/03/07 / A.G. / Stef. / Appr.	Foglio / Segue / 2 / 2
 <b>GHIPINI</b> S. Giuliano Milanese			

## 12 MAINTENANCE OPERATIONS

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There is not ordinary maintenance for this machine. In case of troubles, contact the technician for the inspection and, if necessary, for extraordinary maintenance.

**Periodically it is necessary to check:**

OPERATIONS	HOURS OF WORK
Clean or change the dress	1500
Clean the condensate back flow filter	500
Lubricate the pedal rods and every moving part subject to rubbing	2500

This machine does not require any special equipment for check and maintenance operations, but use suitable tools and personal protection in respect of D. Lgs. 626/94 and in good conditions (DPR. 547/55) in order to avoid troubles to people and to parts of the machine.

**Prior to carrying out any inspection or work on the machine, make sure that it is disconnected from the main electric and hydraulic supplies.**

## 13 DISCHARGE

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During the maintenance operations, or in case of demolition, do not throw polluting elements in the environment. Look at the local laws in force for the right discharge. In case of demolition it is necessary to destroy the identification rating plate and any other document.

## 14 SPARE PARTS ORDER

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For the spare parts request it is necessary to quote the model of the machine, the serial number, the quantity of the spare parts requested and their code number. (these data are available on the rating plate, the technical data and on the operating instructions).

If the voltage and frequency of the electrical parts to replace are not V220-380/50Hz ( check this particular characteristic on the rating plate of the part to replace), quote the right data.

The technical data, the descriptions and pictures included in this manual are not binding. The manufacturer reserves the right to make any necessary modification without notice and without updating these operating instructions.

CODE	DESCRIPTION
Z07A00	Steam spotting gun Z07A00
Z20C00	MAXI Dummy Z20C00
Z20B00	MINI Dummy Z20B00
38F004	Condensate drain 38F004

## 15 MOVING AND TRANSPORT

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Before its transport the machine is carefully packed in a wooden cage. During the transport and the stocking operations, pay attention to warnings reported on the packaging. At the moment of the delivery, check that the packing is intact and put the machine in a dry place.

## 16 WARRANTY

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All the products Ghidini are supplied with a guarantee for materials and manufacturing failures for a period of maximum 12 months from the date of the delivery.

**The guarantee is extended as it follows:**

In case of malfunction of the machinery contact Ghidini and quote the trouble, the model, serial number and the operating conditions of the machine. At the receipt of the machine and after an accurate analysis, Ghidini reserves the right to repair or to replace the product. If the machine is still under guarantee, Ghidini will repair or replace it free, but if the returned product is not defective, Ghidini reserves the right to charge the freight to the customer (transport, etc.).

This warranty must be considered annulled in case of damages caused by an incorrect use, negligence, wear and tear, chemical corrosion, installation in contrast with the operating instructions supplied by Ghidini. Any eventual modification or different use of the machine must be previously authorized by Ghidini through a written document, otherwise Ghidini can be considered free even from the guarantee bond.

The parts of the machine which are subjected to wear and tear are not included in the guarantee. All the items not explicitly cited or damages and expenses caused by the defects of the product itself. Implicitly the customer accepts the conditions of the present warranty purchasing the machine. Eventual modifications to the guarantee must be authorized by Ghidini through a written document.

## 17 CONFORMITY CERTIFICATE

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**Manufacturer:**

GHIDINI  
Company

Via Tolstoj, 24 – 20098 S. Giuliano Milanese (MI)  
Address

+39 -02 -98.24.06.00  
Phone

**Certifies that:**

**The machine:**

Form finisher **Majestic V**

- \* is built in conformity with the DIRECTIVES OF THE EUROPEAN COMMUNITY COUNCIL referring to machines ( 98/37/CE) and to low-tension (BT 73/23/CEE).
- \* is built in conformity with the following laws and technical specifications, in what can be applied and in mutual agreement:  
EN 292-1/2, EN 1050, EN 982, EN 11200, EN 60947, EN 894-1/2.

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Managing director

Roland Fleischmann

Product manager

Name

GHIDINI S.R.L.

Company



December 2003

Signature

Date

