

GB

BERTA ADV

30
YEARS
1974 - 2004



Use and maintenance manual

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DECLARATION OF CONFORMITY

(According to Council Directive 2006/42/EC Annex II.a)

THE MANUFACTURER

Raimondi S.p.A.

Company

Via dei Tipografi, 11

Address

Modena

City

41122

Zip code

MO

Province

Italia

Country

DECLARES THAT THE MACHINERY

XXXX

Description

XXXX

Type

XXXX

Serial number

XXXX

Year of constr.

XX XX/XX/XXXX

Revision

XXXX

Trade name

XXX

Intended use

IS IN CONFORMITY WITH THE REQUIREMENTS

Directive 2006/42/EC of the European Parliament and of the Council of 17 may 2006 on machinery, and amending directive 95/16/EC.

in addition to:

Directive 2014/30/CE (Electromagnetic compatibility); Directive 2014/35/CE (Low voltage); Directive 2001/95/CE (Directive on general product safety)

Reference to technical standards harmonized:

EN ISO 13857:2019; EN ISO 13850:2015; EN ISO 13849-1:2015; EN 842:1996+A1:2008; EN ISO 14118:2018; EN 894-1:1997+A1:2008; EN 894-2:1997+A1:2008; EN 894-3:2000+A1:2008; EN ISO 14120:2015; EN 12418:2000+A1:2009; EN ISO 12100:2010; EN 60204-1:2018.

Reference to technical standards not harmonized:

UNI EN 13236:2019; 10893:2000; EN 10241:2002.

AND HE AUTHORIZES

Gianni Lorenzani

Name

c/o G.L. Comunicazione S.r.l.

Address

Noceto

City

43015

Zip code

PR

Province

Italia

Country

TO PREPARE THE TECHNICAL FILE FOR IT

Place and date of issue
Modena

The manufacturer
Mr. Ivan Raimondi



The Declaration of Conformity shown here in facsimile is attached to the manual but is not included inside it. This attached Declaration, and any others, must be kept and made available to anyone who requests it.

1.1 Testing, warranty and responsibility

Testing

The whole machine is sent to the customer ready for the installation, after passing the tests provided for by the manufacturer, in compliance with the laws in force.

Warranty

During the 12-month warranty, RAIMONDI S.p.A. undertakes to supply, free of charge, those parts of its production found to be defective, in terms of material or processing.

Such parts will have to be returned to RAIMONDI S.p.A., shipped carriage free.

By warranty, we mean supply of defective parts, if any.

The warranty does not cover all the expenses as to travel, board, lodging, transport and manpower concerning the replacement of parts by the RAIMONDI S.p.A. technicians, which will be charged entirely on the Customer.

The warranty does not cover all the parts subject to wear.

As to purchased components, the supplier warranty will apply.

No compensation will be granted for expenses, damages or loss of profits incurred by customer.

Installation of purchased parts not complying with the specifications of RAIMONDI S.p.A., if purchased or not supplied by RAIMONDI S.p.A., if manufactured by it, as well as improper use of the machine, will make the warranty null and void.

Responsibility

RAIMONDI S.p.A. is in no case responsible for operation anomalies or generic failures, caused by unauthorized use of the machine or by interventions and/or modifications carried out by external persons not authorized by RAIMONDI S.p.A. itself.

1.2 Environmental conditions

The environmental working conditions of the machine shall comply with the following indications:

Temperature	0°C ÷ +55°C (32°F ÷ 131°F)
Humidity	10% ÷ 90% (not condensed)



THE MACHINE SHALL BE POSITIONED IN PREMISES PROPERLY PROTECTED FROM THE RAIN.

Environmental conditions other than those specified herein can cause serious damage to the machine and, in particular, to the electrical equipments.



POSITIONING THE MACHINE IN ENVIRONMENTS NOT COMPLYING WITH THE INDICATIONS HEREIN WILL MAKE THE WARRANTY NULL AND VOID.

Storage of the machine, while not working, allows for a temperature variation ranging between +10°C (50°F) and +70°C (158°F) all the other precautions still valid.



USE IN ENVIRONMENTS WITH EXPLOSIVE ATMOSPHERE OR FIRE RISK IS STRICTLY FORBIDDEN.

1.3 Intervention request - Technical Service

Each intervention request to the Technical Service shall be send, by fax, to:

RAIMONDI S.p.A.

Technical Service

Telefax (39) 059 282 808

E.mail: info@raimondispa.com

Specifying:

1. type of machine, registration number, serial number and year of installation;
2. detected defects;
3. retailer where the machine was bought;
4. receipt for item purchased certifying the date of purchase by the user.

1.4 Spare parts orders

Each request of spare parts shall be sent, by fax, to:

RAIMONDI S.p.A.

Technical Service

Telefax (39) 059 282 808

E.mail: info@raimondispa.com

specifying:

1. Machine model;
2. Registration number (see manual title page);
3. Code of the part to be ordered (see spare parts manual enclosed);
4. Requested quantity;
5. Shipping modality.

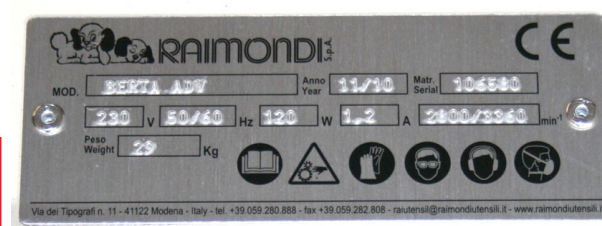
1.5 Marking

The machine identification data are engraved on the plate and shall always be indicated on every communication document exchanged between the user and the manufacturing company, for example in every assistance request or request of spare parts, etc.

The identification plate is placed on the machines .



**REMOVING OR TAMPERING WITH THE IDENTIFICATION
PLATE IS STRICTLY FORBIDDEN.**



2.1 Safety general rules



THE RULES LISTED BELOW SHALL BE CAREFULLY READ AND SHALL BECOME THE CORE OF THE DAILY PRACTICE IN THE OPERATION AND MAINTENANCE OF ALL THE EQUIPMENT, WITH A VIEW TO PREVENTING ANY TYPE OF INJURY TO PEOPLE AND/OR DAMAGING OF OBJECTS.

1. Do not try to start the machine until its operation has been fully understood.
2. In case of doubts, despite having carefully and entirely read this manual, please contact the RAIMONDI S.p.A. Technical Service.
3. Make sure all the personnel involved in the use of machine are made aware of all the safety-related instructions.
4. Before starting the machine, the operator shall verify the possible presence of visible defects on the safety devices and on the machine. In this case, immediately inform RAIMONDI S.p.A. or the closest Technical service Centre on every evident breaking.
5. Never start the machine until all the personnel in the areas surrounding the machine have been warned and moved away.
6. Daily check the correct operation of all the safety devices and switches.
7. Safety devices shall never be removed nor made ineffective .
8. During maintenance, adjustment or repair interventions, it might be necessary to disable some of the safety devices. This operation shall be carried out by authorized personnel only.
9. All the plates and signs applied on the machine shall be kept in perfect conditions. In case of damage, they shall be promptly replaced.
10. The operator shall be familiar with the function and position of the **STOP** and **START** buttons.
11. Replace parts deemed to be broken with original spare parts, warranted by the manufacturing company.
12. Never try reckless solutions!
13. Any intervention on live parts shall be carried out by authorized personnel only, who will have to operate exclusively with the machine disconnected from the mains
14. Do not make any joint in the electrical connections of electric circuits.
15. Never intervene on moving parts, not even to unblock a jam.
16. Do not wear clothes, ornaments or accessories that might get entangled in the moving members.
17. Keep the area surrounding the machine clear.
18. Always wear protective glasses, hearing protectors, particulate respirator suitable for the product to be worked and any other personal protection equipment in the areas where such equipment is required.
19. Always pay the greatest attention to all the warning and danger signs placed on the machine.
20. Always comply with and ensure compliance with the safety rules; in case of doubts, please consult this manual again before taking any action.
21. The machine shall be used exclusively for the uses it was intended for and in compliance with the provisions set forth in the contract with **RAIMONDI S.p.A.**



DO NOT USE THE MACHINE FOR USES OTHER THAN THOSE INDICATED IN THIS MANUAL. DO NOT HANDLE PRODUCTS OTHER THAN THOSE INDICATED IN THE MANUAL. DO NOT INCREASE THE MACHINE SPEED BEYOND THE VALUE INDICATED IN THE MANUAL.

Improper use of the machine can cause dangers for the personnel in charge of the machine operation and damage the machine itself.

For any problem that might arise during the machine life, and in any case not included in this manual, please contact our **Technical Service**, with a view to solving the problem in the shortest time possible.

2.2 Definition of safety-related terms

In this manual, the following terms will be employed as to safety:

Dangerous area	each area within and/or close to the machine, where the presence of an exposed person constitutes a risk for the safety and health of this person.
Exposed person	anybody standing, either partially or totally, in a dangerous area.
Operator	person in charge of the installation, operation, adjustment, maintenance, cleaning, repair, transport of parts of the machine and all the other activities required for its operation.
Safety component	component specifically designed by the manufacturer and sold separately from the machine, aimed at ensuring safety. Consequently, the device whose failed operation jeopardizes the safety of exposed persons will be considered as a safety component.

2.3 Correct use of the machine

Use

The BERTA ADV electrosponge has been designed to clean floors during the grouting of floor tiles. The machine cleans away excess grout and epoxy sealant, whilst smoothing the joints between tiles. The machine is suitable for use on floors tiles with terracotta, ceramics, vitrified stoneware, marble, porphyry.



THE MACHINE CANNOT BE USED FOR OTHER TYPES OF PRODUCTS WITHOUT PREVIOUS AUTHORIZATION BY RAIMONDI S.P.A., WHICH WILL NOT BE HELD RESPONSIBLE FOR DIRECT OR INDIRECT DAMAGE DERIVING FROM AN IMPROPER USE OF THE MACHINE.

2.4 Characteristics of the machine

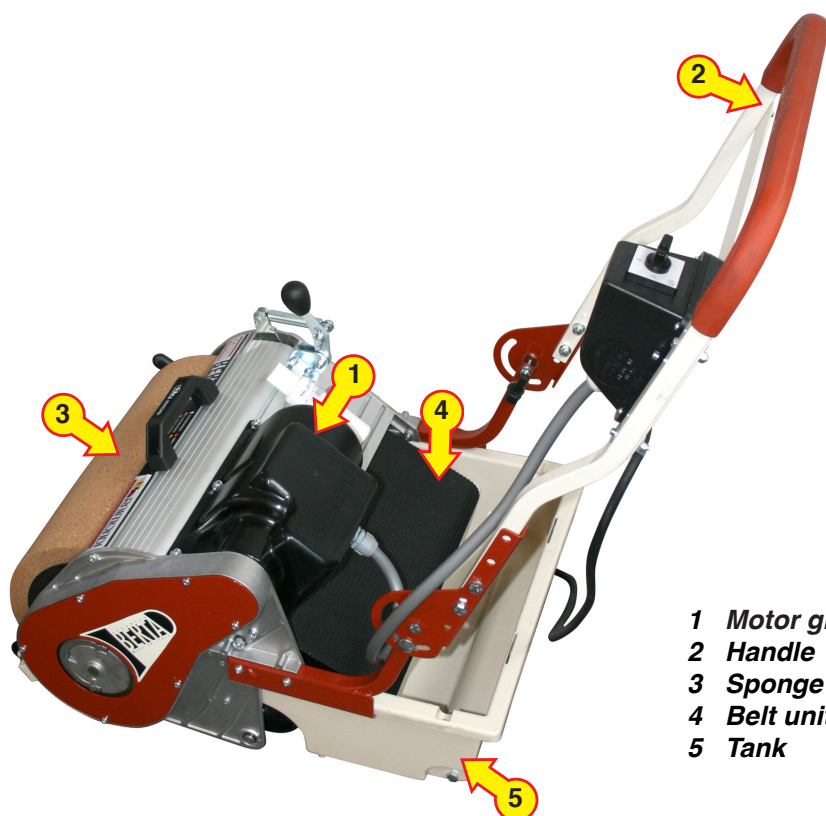
Technical features

Here follow the features of BERTA ADV:

Pattern	Berta ADV	
Mass-running	kg	29
	U.S. lb t	64
Size (mm)	660 x 550 x 500	
Speed	1	

2.5 Description of machine groups

The CM180 series are made up of a series of groups. These interact to ensure functions are always effective. The groups are:



- 1 Motor group
- 2 Handle
- 3 Sponge roller
- 4 Belt unit for sponge squeezing and water drainage
- 5 Tank

2.6 Position of the operator

The BERTA ADV series foresees the use by a single operator, who shall get hold of the ergonomic handle with both hands.



THE MACHINE SHALL BE TURNED ON ONLY WHEN THE OPERATOR IS IN WORKING POSITION. THE MACHINE SHALL BE TURNED OFF AT THE END OF EACH CLEANING OPERATION. IT IS STRICTLY FORBIDDEN TO BRING THE HANDS NEARER TO THE SPONGE ROLLER WHILE IT IS FUNCTIONING.

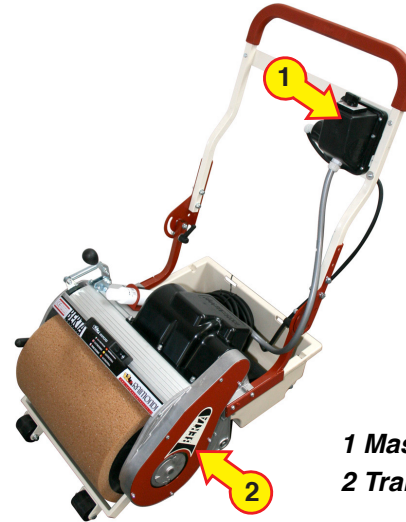


2.7 Safety devices



FOR ANY REASON THE MACHINE SHALL BE STARTED IF THE PROTECTIONS ARE TAMPERED, MALFUNCTIONING OR ABSENT.

The BERTA ADV series features following safety devices:



1 Master switch
2 Transmission casing

2.8 Accessories of the machine

The BERTA ADV series is supplied with the following accessories:

1. Sponge roller "AVANA";
2. Antifoam fluid;
3. Use and maintenance manual in the relative language.

2.9 Noise

The machine has been designed and built so that to reduce at the source the machine noise.

It is clear that the sound pressure differs according to the sponge type, to its wear and to the material to be cleaned; we have therefore arranged a series of measures, using various types of sponges and different materials, both in open and closed environment. Measurements made in the operator position on a similar machine have provided the following values, where:

The weighted continuous equivalent sound pressure level A1 [LAeq = dB(A)] Outdoor measurements

<i>Type of material</i>	
Floor	
Noise survey	71,8

Weighted continuous equivalent sound pressure level A1 [LAeq = dB(A)] Indoor measurements

<i>Type of material</i>	
Floor	
Noise survey	71,8

The conditions for indoor measurements are the following:

Building size:	
length	8 m (26')
width	5 m (16')
height	3 m (10')
Type of premises:	
floor	polished concrete
covering	tile
walls	masonry with side glass
Instrument used	Brue! & Kjaer mod. 2221 class 1
Reference standard	DIN 45635

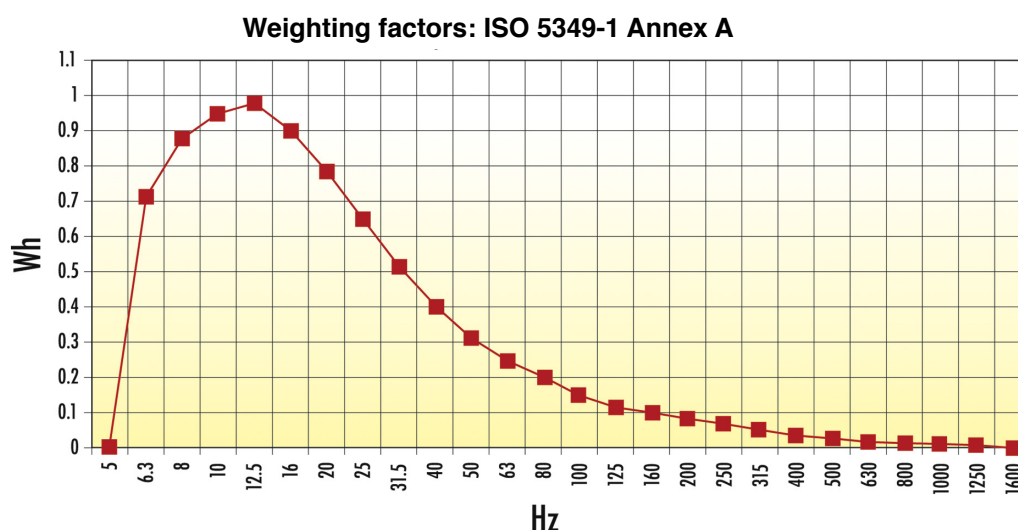
The use of the machine is only allowed provided that suitable hearing protection is ensured. The employer shall hence compulsorily provide the operators with personal protection equipment (earphones, plugs).

2.10 Vibrations

Determination of the vibration level generated by the equipment- $A_{(w)sum}$

The magnitude of the vibrating stresses generated by the equipment shall have to be characterized, for every exposure condition, in terms of "Equivalent Frequency-Weighted Acceleration" $A_{(w)} m/s^2$. The equivalent acceleration, which is preferably expressed (*) in S.I. units of measurement (meters per second squared - m/s^2), shall have to be quantified for every handle along three standardized directions **X**, **Y** and **Z**, by applying the weighted frequency provided for by the standard (W_H), which states the maximum hand-arm system sensitivity to vibratory stimuli with a frequency ranging between 5.6 and 1400 Hz.

Such an interval turns out to be delimited by the octave-band nominal frequencies 8 and 1000 Hz (included), or by the one-third octave bands with nominal frequency ranging between 6.3 Hz and 1250 Hz (included).



(*) The logarithmic decibel scale (dB ref. $10^{-6} m/s^2$) is also frequently used

The three axial results shall have to be summed sectorally in order to obtain the total weighted acceleration:

$$A_{(w)sum} = \sqrt{a_{wx}^2 + a_{wy}^2 + a_{wz}^2}$$

The three standardized directions refer to a biodynamic system of coordinates, having their origin connected with the summit of the third metacarpal bone and the **Z** axis, determined by the longitudinal axis of this bone, the **X** axis crosses the palm of the hand while the **Y** axis is orthogonal to the two previous ones.

On the basis of the measurements, carried out through an operative simulation at the test room of the company RAIMONDI S.p.A. by conforming to the UNI EN ISO 5349-1:2004 standard the retrieved values are the following:

Survey of the vibration level generated by the equipment - $A_{(w) \text{ sum}}$ **0,0831 m/s²**.

THE TEST DOCUMENTS AND THE CERTIFICATES OF THE TOOLS ARE HELD BY THE COMPANY RAIMONDI S.P.A. AND THEY ARE KEPT AT THE DISPOSAL OF THE RELEVANT CONTROL AUTHORITIES.

2.11 Demolition and disposal

The manufacturer estimates a life of 15.000 hours of operation under normal conditions of use.

At the end of the life cycle, the company using the machine shall see to the demolition of the machine in compliance with the laws in force, first of all seeing to the emptying of lubricant fluids and overall cleaning of the different elements and, subsequently, separation of the parts making up the machine.

After disassembling the machine in line with the previous disassembling procedure, the different materials shall be separated in compliance with the laws of the country where the machine shall be eliminated. The machine does not contain harmful components or substances requiring particular removal procedures.



DURING THE DISPOSAL PROCESS, COMPLIANCE WITH THE LAWS IN FORCE IN THE COUNTRY IS REQUIRED. POLLUTANTS, SUCH AS OILS AND SOLVENTS, SHALL BE STORED EXCLUSIVELY IN METAL DRUMS.



2.12 CE Manufacturer's declaration - ROHS/RAEE

DIRECTIVE (UE) 2015/863 (Directive RoHS III) of the European Parliament and of the council of 15 March 2015 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

DIRECTIVE 2002/96/EC (WEEE Directive) of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment.

With reference to the above Directives and in particular to ENCLOSURES "I A" and "I B" of Directive 2002/96/CE, RAIMONDI S.p.A., declares that its products.

DO NOT FALL WITHIN THE FIELD OF APPLICATION OF THE (UE) 2015/863 DIRECTIVE

Restricted substances referred to in Article 4(1) and maximum concentration values tolerated by weight in homogeneous materials:

Lead (0,1 %)
Mercury (0,1 %)
Cadmium (0,01 %)
Hexavalent chromium (0,1 %)
Polybrominated biphenyls (PBB) (0,1 %)
Polybrominated diphenyl ethers (PBDE) (0,1 %)
Bis (2-ethylhexyl) phthalate (DEHP) (0.1%)
Benzyl butylphthalate (BBP) (0.1%)
Dibutylphthalate (DBP) (0.1%)
Diisobutylphthalate (DIBP) (0.1%)

Raw materials used by RAIMONDI S.p.A, in its components, fall within the EXEMPTIONS limits.

All surface treatments and plastic materials in RAIMONDI S.p.A. products do not contain the prohibited substances listed in the (UE) 2015/863 directive.

DECLARATION OF THE MANUFACTURER CE - REACH

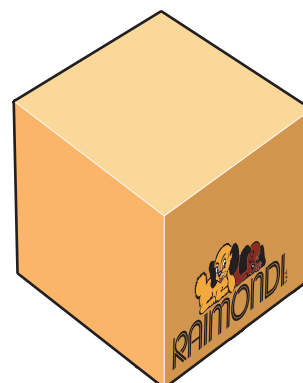
REGULATION (EC) N. 1907/2006 of the EUROPEAN PARLIAMENT AND THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

With reference to the above-mentioned Directive, RAIMONDI S.p.A., declares that the products they market were pre-registered by our suppliers on 1 December 2008.

We hereby inform you also that the products by RAIMONDI S.p.A., do not originally contain any SVHCs (Substances of Very High Concern) exceeding 0.1%.

3.1 Packing transport

Before using the machine, check that there are no broken, worn or damaged parts; in such case proceed to a prompt substitution. For the substitution of parts and accessories, carefully follow the instructions contained in this manual.



3.2 Electric supply

The "BERTAADV" electrosponge shall be supplied with the tension equal to the value indicated in the "TECHNICAL DATA" label; connect the machine only to a line featuring an efficient ground cable. In case of doubts, do not connect the machine. Connect the machine only to a 16A plug.



IF THE MACHINE IS CONNECTED TO THE MAINS BY MEANS OF A PATCH CORD, THIS SHALL HAVE THE FOLLOWING CHARACTERISTICS:

1. **MAXIMUM LENGTH 10 METERS (33');**
2. **HAVING A SECTION SUITABLE FOR THE LOAD;**
3. **BEING COMPLETELY UNCOILED.**

The "BERTAADV" electrosponge must be connected to a power mains equipped with differential switch or insulation transformer of class II and matching the technical regulations of the destination country.



FOR THE CORRECT USE OF THE RESIDUAL CURRENT CIRCUIT BREAKERS, DO NOT FORGET TO CHECK THEIR EFFICIENCY BY MEANS OF THE TEST BUTTON PLACED ON THE FRONT PART OF THE DEVICE ITSELF.

3.3 Machine assembly



TO CARRY OUT THIS OPERATION, WEAR THE PROTECTIVE GLOVES AND ACCIDENT-PREVENTION SHOES.



Loosen the knobs (A), lift up the handle (B) and tilt it in the desired position, tighten the knobs (A).



CHECK THAT THE TANK IS CORRECTLY ASSEMBLED.

3.4 Handling

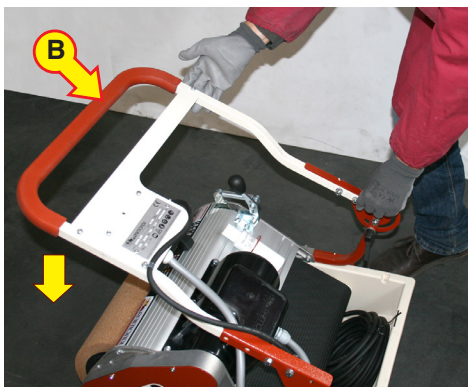


TO CARRY OUT THIS OPERATION, WEAR THE PROTECTIVE GLOVES AND ACCIDENT-PREVENTION SHOES.



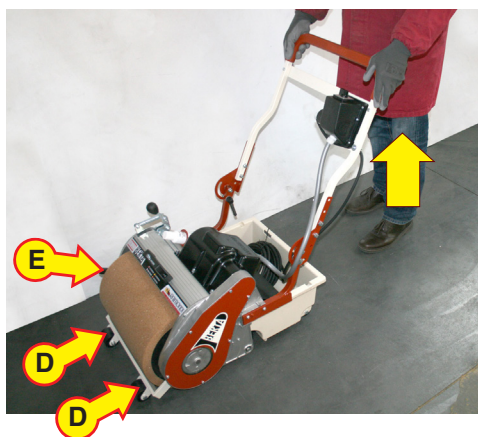
DO NOT TRANSPORT THE MACHINE WHILE THE PLUG IS INSERTED.

Machine lifting and handling



Empty the tank of water. Unscrew the knobs (A) and bent the handle (B). Lift the machine by means of the transport handle (C).

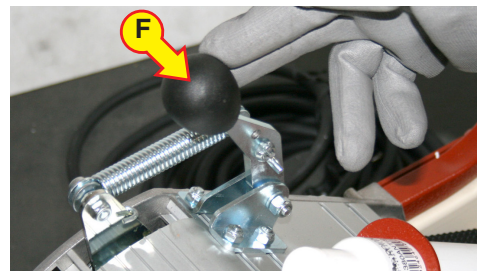
Machine storage



To handle the machine with the motor switched off, strictly use the wheels (D) by acting on the rule (E).

During inactivity periods, it is advisable to store the machine in a covered room, protected from bad weather and in an environment free from aggressive chemical agents. Before storing it, unplug the machine from the mains, drain the tank and remove the sponge roller. The machine shall be stored in environments with a suitable temperature (from +10° C to + 70° C) / (from 55° F to 158°F). Store the sponge rollers in the vertical position. Rollers with cellulose sponge shall be stored wrapped up in a plastic bag.

WHEN THE MACHINE IS IN REST POSITION, IN ORDER TO AVOID STRAINS OF THE ROLLER SPONGE, LIFT THE ROLLER SPONGE FROM THE FLOOR BY ACTING ON THE RULE (E) AND PLACE THE LEVER (F) IN VERTICAL POSITION.



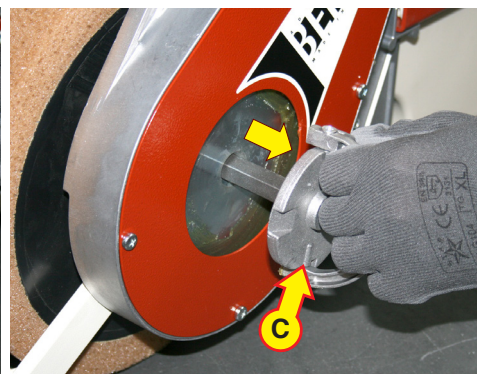
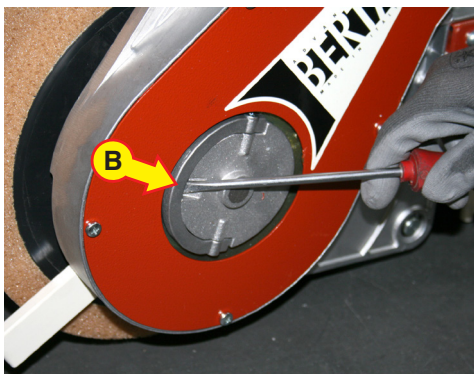
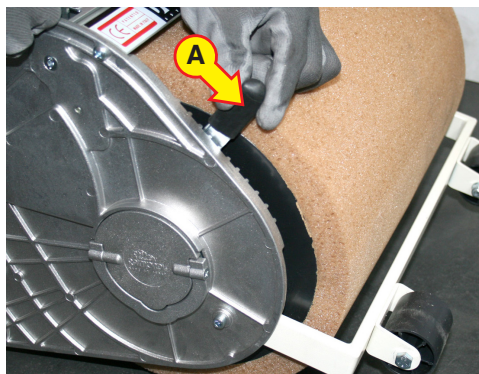
3.5 Roller sponge substitution



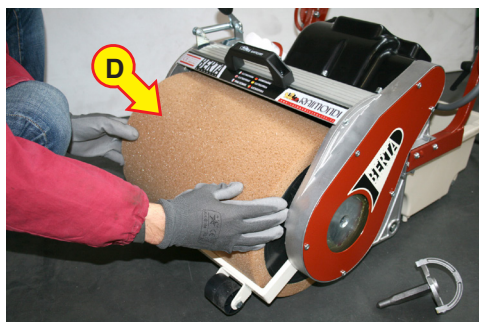
TO CARRY OUT THIS OPERATION, WEAR THE PROTECTIVE GLOVES.



FOR THIS OPERATION MAKE SURE THAT THE MACHINE IS DISCONNECTED FROM THE POWER SUPPLY.



Lift the roller from the floor by bringing the rod (A) in vertical position. Stand on the transmission casing side. With a screwdriver lift the handle (B) and extract the quick release device (C). Stand on the opposite side and carry out the same operations.



Extract the sponge roller (D) from its seat.

3.6 Sponge roller assembly



TO CARRY OUT THIS OPERATION, WEAR PROTECTIVE GLOVES.



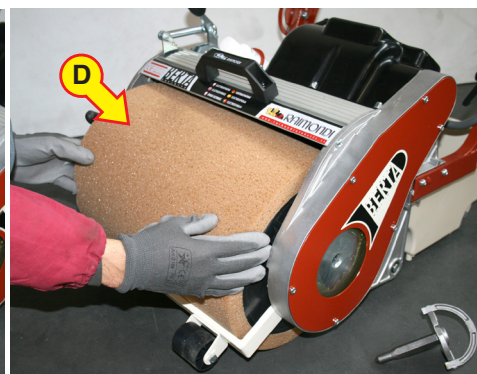
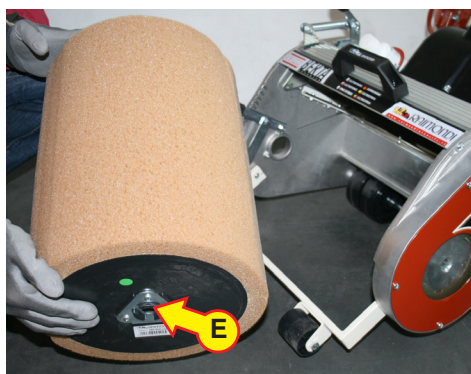
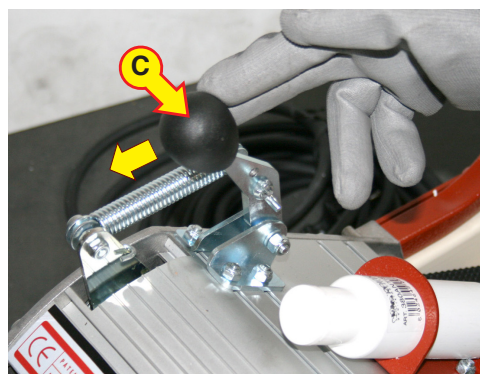
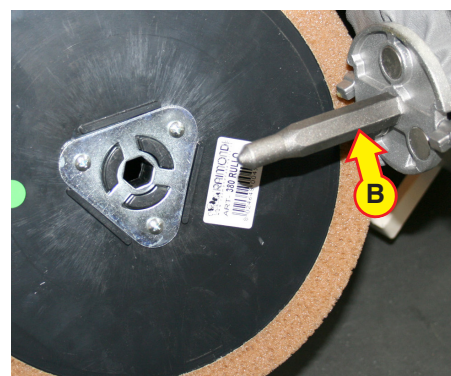
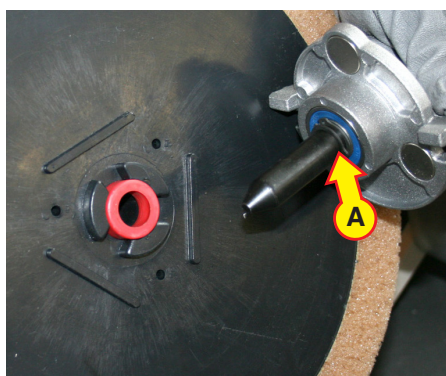
FOR THIS OPERATION MAKE SURE THAT THE MACHINE IS DISCONNECTED FROM THE POWER SUPPLY.



BEFORE ASSEMBLING THE “CELLULOSE” SPONGE ROLLER, DIP IT FOR AT LEAST ONE MINUTE INTO COLD AND CLEAN WATER.



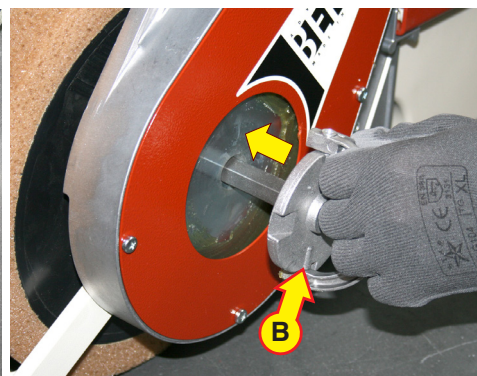
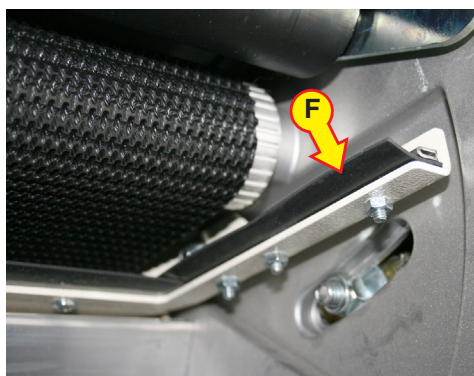
THE QUICK RELEASE DEVICES SHALL PERFECTLY FIT INTO THE PROVIDED SEAT.



Shift the lever (C) to its upright position. Insert the sponge roller (D) in the core of the seat provided on the machine, with the side featuring the hexagonal slot (E) on the transmission side. Move to motor casing side.



WHILE INSERTING THE ROLLER (D) ASCERTAIN THAT THE WATER RUBBER SEALS (F) ARE FACING UPWARDS (see image).



Fit the quick release device and the hexagonal pin (B). Turn the sponge roller by giving it short and light presses (forwards / and backwards) whilst holding down the quick release device (B), until it fits perfectly into the hexagonal notch of the roller. Move to the side opposite the motor casing. Fit the quick release device with its cylindrical pin (A).

3.7 Sponge pressure adjustment

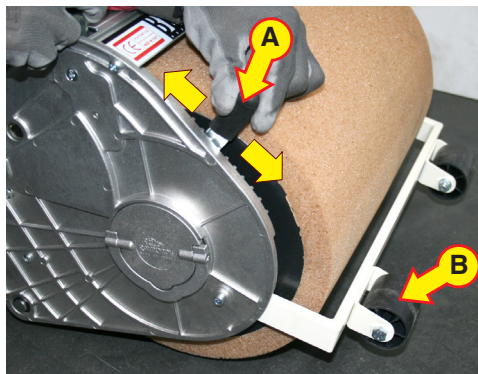


FOR THIS OPERATION MAKE SURE THAT THE MACHINE IS DISCONNECTED FROM THE POWER SUPPLY.

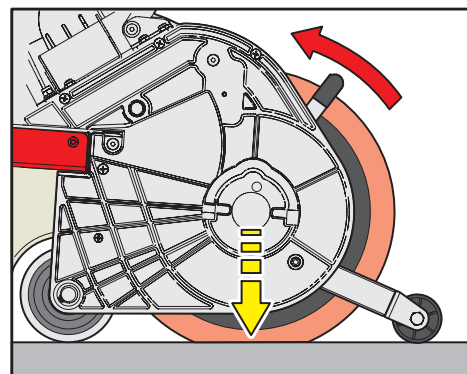
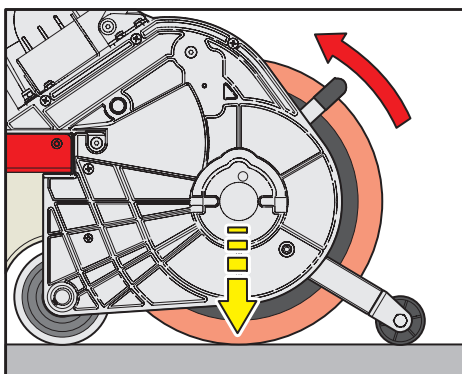
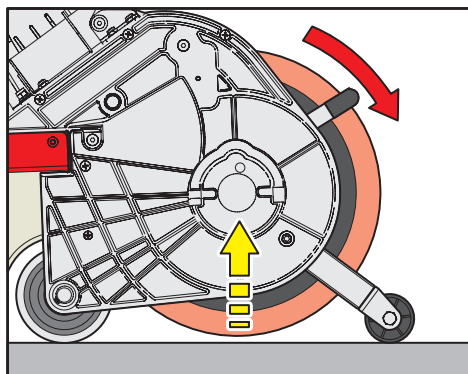


A HIGHER PRESSURE OF THE SPONGE ON THE FLOOR INVOLVES AN EXCESSIVE REMOVAL OF THE SPACINGS MATERIAL.

During work it is possible to adjust the height of the sponge on the floor.



By means of the rule (A) it is possible to adjust the height of front wheels (B) and thus increase or decrease the pressure of the sponge on the floor.

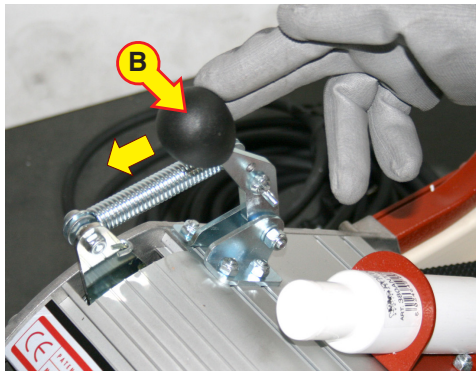
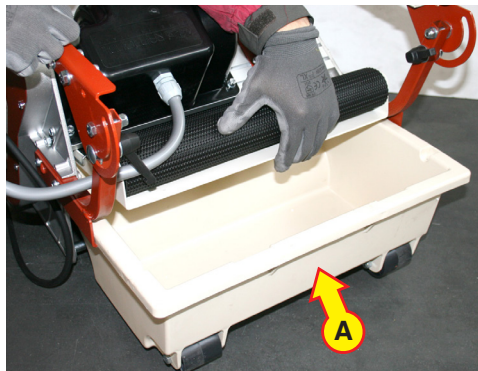


3.8 Preparation of the electrosponge

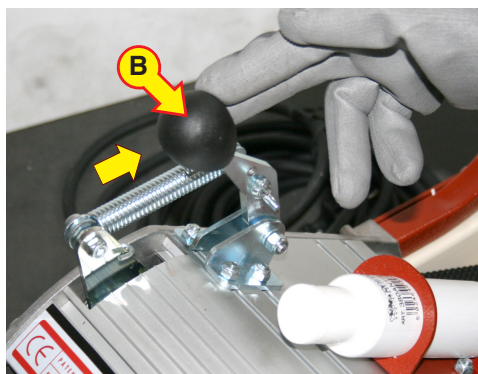


DAMPEN THE SPONGE BEFORE STARTING THE FLOOR CLEANING.

To dampen the sponge, proceed as follows:



Fill the tank (A) by pouring in it approximately 15 lt. of cold and clean water. Place the lever (B) in vertical position; activate the start switch (C), in order to allow the sponge roller to take up water for at least 30 seconds.



Place the lever (B) in horizontal position. Now the electrosponge is ready to carry out the floor cleaning process.

4.1 Correct machine use



TO CARRY OUT THIS OPERATION, WEAR THE PROTECTIVE GLOVES AND ACCIDENT-PREVENTION SHOES.



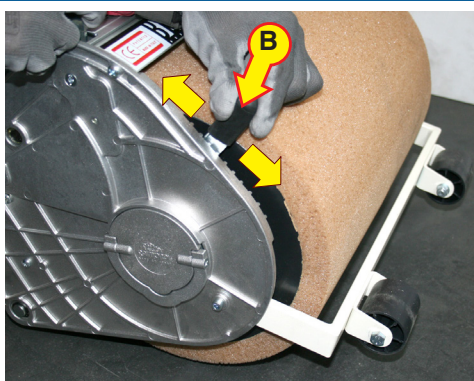
BEFORE CARRYING OUT THE PROCESS, EXECUTE THE CORRECT HEIGHT ADJUSTMENT OF THE SPONGE ON THE FLOOR. TO CARRY OUT THIS OPERATION REFER TO THE INDICATIONS OF PARAGRAPH "3.8 SPONGE PRESSURE ADJUSTMENT".



IF THE SEALANT TO BE REMOVED IS TOO RESISTANT, DO NOT INCREASE THE SPONGE ROLLER PRESSURE BY LIFTING THE HANDLE.

TO AVOID AN EXCESSIVE REMOVAL OF THE SEALANT FROM THE SPACING, BEFORE STARTING THE CLEANING PROCESS WAIT FOR THE SEALANT SUFFICIENT HARDENING.

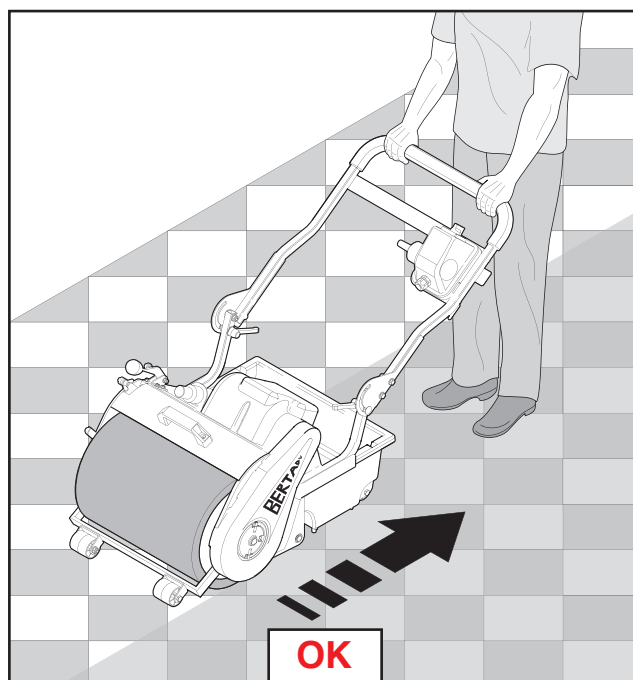
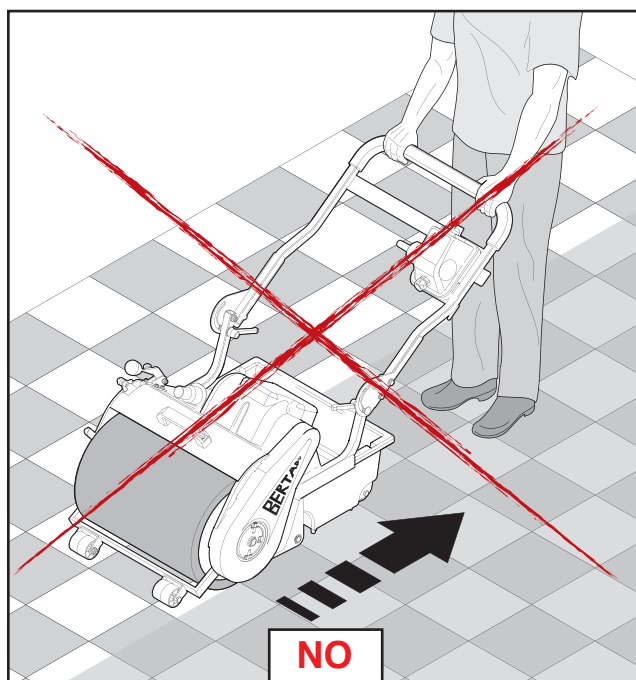
IF THE CLEANING BY MEANS OF THE ELECTROSPONGE IS INSUFFICIENT, IT IS NECESSARY TO DAMPEN THE FLOOR AND EMULSIFY WITH A MONOBRUSH EQUIPPED WITH ABRASIVE FELT.

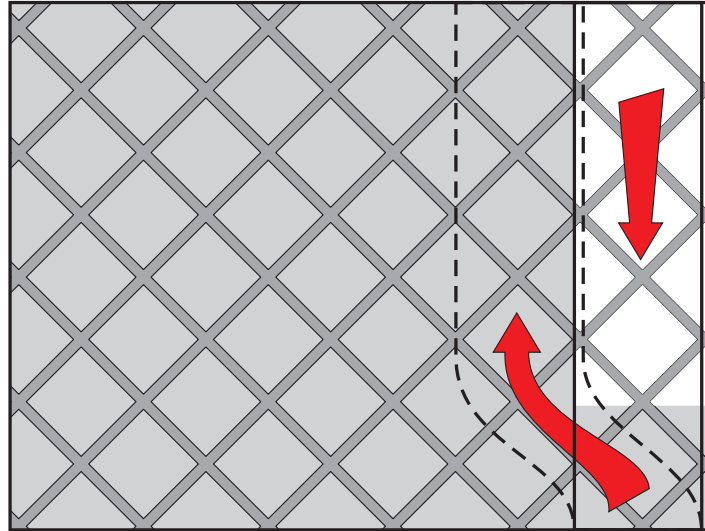


Stand at the pass beginning and avoid contact of the sponge roller with the floor; in order to do this, push the handle downwards (A). Adjust the roller pressure on the floor by acting on the rule (B). Activate the start switch (C) and move backwards slowly.



ACCORDING TO THE TILES POSITIONING, CARRY OUT THE CLEANING PROCESS THROUGH DIAGONAL PASSES (45°) WITH RESPECT TO THE FLOOR SPACINGS DIRECTION.





Once the pass has been completed, lift the sponge roller and stand at the beginning of the pass, avoiding to step on the previously cleaned floor portion. Lower the sponge roller and overlap for approximately 5 cm (2") on the previous pass. In order to clean as near as possible to the walls, use the machine so that the machine side without transmission casing will advance at the same level of the wall.



SHOULD THERE BE THE FORMATION OF FOAM DURING USE, ADD TO THE TANK WATER SOME DROPS OF ANTI-FOAM PRODUCT (D).



4.2 Anomalous deterioration of the sponge roller

Sponge roller wear:

The duration of the sponge roller depends on the abrasion degree of the surface to be cleaned and on the granulometry of the used sealing product.

The sponge detaches from the support:

- *The detachment is caused by the abrasive action of sand, which settles between the sponge and the support. It is necessary to thoroughly clean the sponge after its use. (see paragraph 5.3 SPONGE ROLLER CLEANING);*
- *At the end of the work the sponge roller has not been lifted from the floor. The contact of the sponge roller with the floor hampers the evaporation of water, thus causing both the sponge deterioration and the detachment from the support. (see paragraph 3.7 SPONGE PRESSURE ADJUSTMENT);*
- *At the end of the work the sponge pressing device has not been disconnected (see paragraph 5.3 SPONGE ROLLER CLEANING).*

The sponge wears on the borders:

- *The roller is not assembled on the core of its seat, thus causing the contact of the sponge with the structure and tears of the sponge. (See paragraph 3.6 ASSEMBLY OF THE SPONGE ROLLER).*

5.1 Tank emptying and cleaning



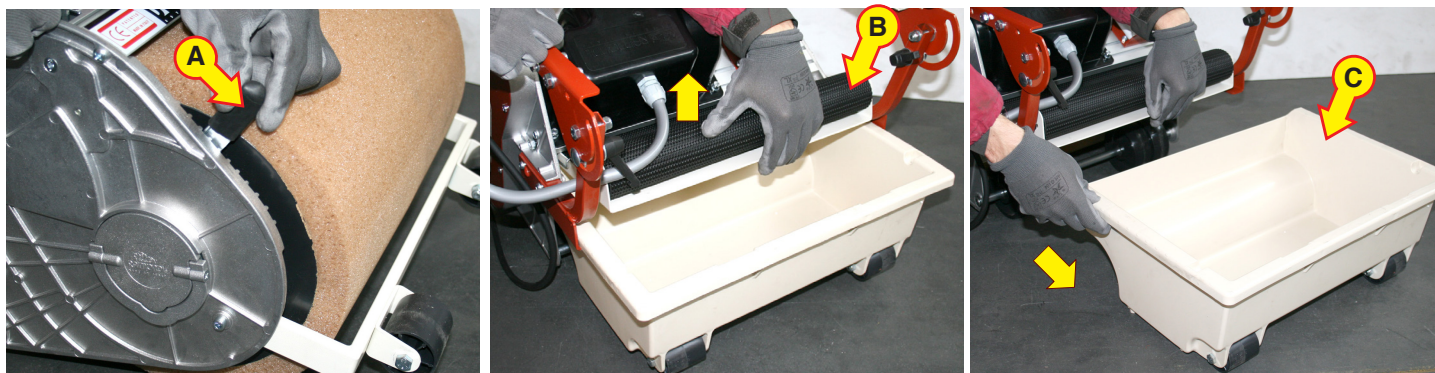
FOR THIS OPERATION MAKE SURE THAT THE MACHINE IS DISCONNECTED FROM THE POWER SUPPLY.



FOR THIS OPERATION WEAR PROTECTIVE GLOVES.



THE LAYER OF DEPOSITED MATERIAL SHALL NOT EXCEED 2 CM (25/32") AS TO PREVENT THE BLOCKING OF THE WATER CONVEYOR BELT.



Lift the roller from the floor by acting on the rule (A). Lift the conveyor belt (B) extract the tank (C) and proceed to cleaning.



THE DISPOSAL OF TANK WATER SHALL BE CARRIED OUT IN COMPLIANCE WITH THE LAWS IN FORCE IN THE COUNTRY OF USE.



FOR A CORRECT FUNCTIONING OF THE CONVEYOR BELT WATER SHALL BE KEPT CLEAN.

5.2 Ordinary maintenance



FOR THIS OPERATION MAKE SURE THAT THE MACHINE IS DISCONNECTED FROM THE POWER SUPPLY.



TO CARRY OUT THIS OPERATION, WEAR THE PROTECTIVE GLOVES.



PERIODICALLY LUBRICATE WITH GREASE THE MOVING PARTS, SUCH AS CHAIN, BEARINGS, WHEEL CARRYING AXLE AND THE BELT TIGHTENING DEVICE ROLLERS.

5.3 Sponge roller cleaning



TO CARRY OUT THIS OPERATION, WEAR THE PROTECTIVE GLOVES.



FOR A CORRECT MACHINE CLEANING, EXCLUSIVELY USE CLEAN WATER. THE USE OF ALCOHOL OR DILUENTS CAUSES THE DETACHMENT OF THE SPONGE FROM THE ROLLER.



Clean the tank and fill it with cold and clean water; place the lever (A) in vertical position and activate the start switch (B); let the sponge rotate for some minutes. Lower the lever (A) and lift it after 30 seconds. Repeat such operation repeatedly, until the sponge roller is completely clean.

5.4 Starter substitution



FOR THIS OPERATION, MAKE SURE THE MACHINE IS NOT CONNECTED TO THE MAINS AND THE TANK IS EMPTY.



To remove the starter (A) unscrew the fixing screws (B). Unscrew the screws (C) and disconnect the connecting wires (D). Remove the starter. Assemble the new starter and restore the connection, being careful not to squash the wires.



SUCH OPERATIONS SHALL BE CARRIED OUT BY SKILLED PERSONNEL. RAIMONDI S.P.A. WILL NOT BE RESPONSIBLE FOR DAMAGES OCCURED TO THINGS OR PEOPLE IN CASE THE INDICATIONS CONTAINED IN THE MANUAL ARE NOT FOLLOWED.

6.1 Non-standard accessories

Sponge roller SWEEPEX

High-absorption sponge roller, used for cement-based sealants.



Sponge roller CELLULOSA

Sponge roller used for epoxy resin-based sealants.



Sponge roller AVANA

Sponge roller suitable for all uses, except for epoxy materials.



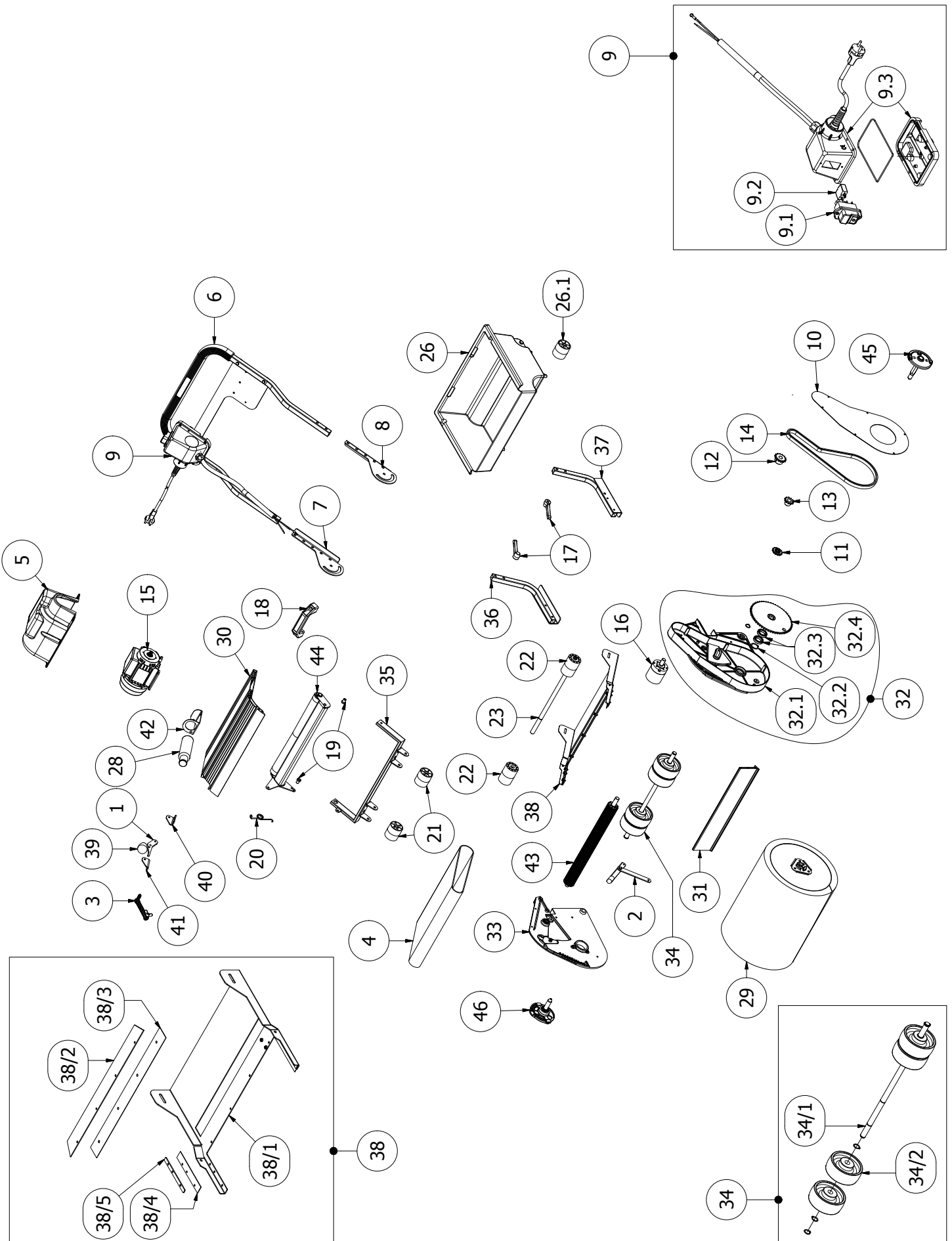
7.1 Trouble-shooting

Problem	Cause	Solutions
The machine does not work	The plug is not correctly inserted in the power socket.	Push the plug completely into the power socket.
	The power supply cable is interrupted.	Check the connection in the terminal board. Replace the power supply cable.
	Lack of voltage in the power socket.	Check or provide for the check of the power socket.
	The start devices are damaged.	Substitute the start devices or contact the authorised service centre or dealer.
The motor hums when it is switched on and the sponge roller does not turn	Capacitor is faulty.	Replace capacitor.
	Abnormal friction in motor drive.	Check moving parts. Contact an authorised service centre or your dealer.
Water leaks from the sides of the machine or between the sponge roller and tank	Rubber plugs on roller flanges are worn or facing downwards.	Replace if broken or worn. Turn plugs upwards.
	Sponge roller is worn.	Replace sponge roller.
	Too much foam tends to form.	Use anti-foam liquid.
Motor is too noisy	Chain is not lubricated.	Lubricate with grease.
	Chain has slackened.	Turn the chain tightener support.
Irregular consumption of sponge roller	Improper use of machine.	Never raise handle to increase pressure on the sponge roller, instead use the roller pressure adjustment knob.
	Sponge roller is not parallel to floor.	Contact an authorised service centre or your dealer.
Anomalous deterioration of the sponge roller		Refer to the indications of paragraph 4.2.

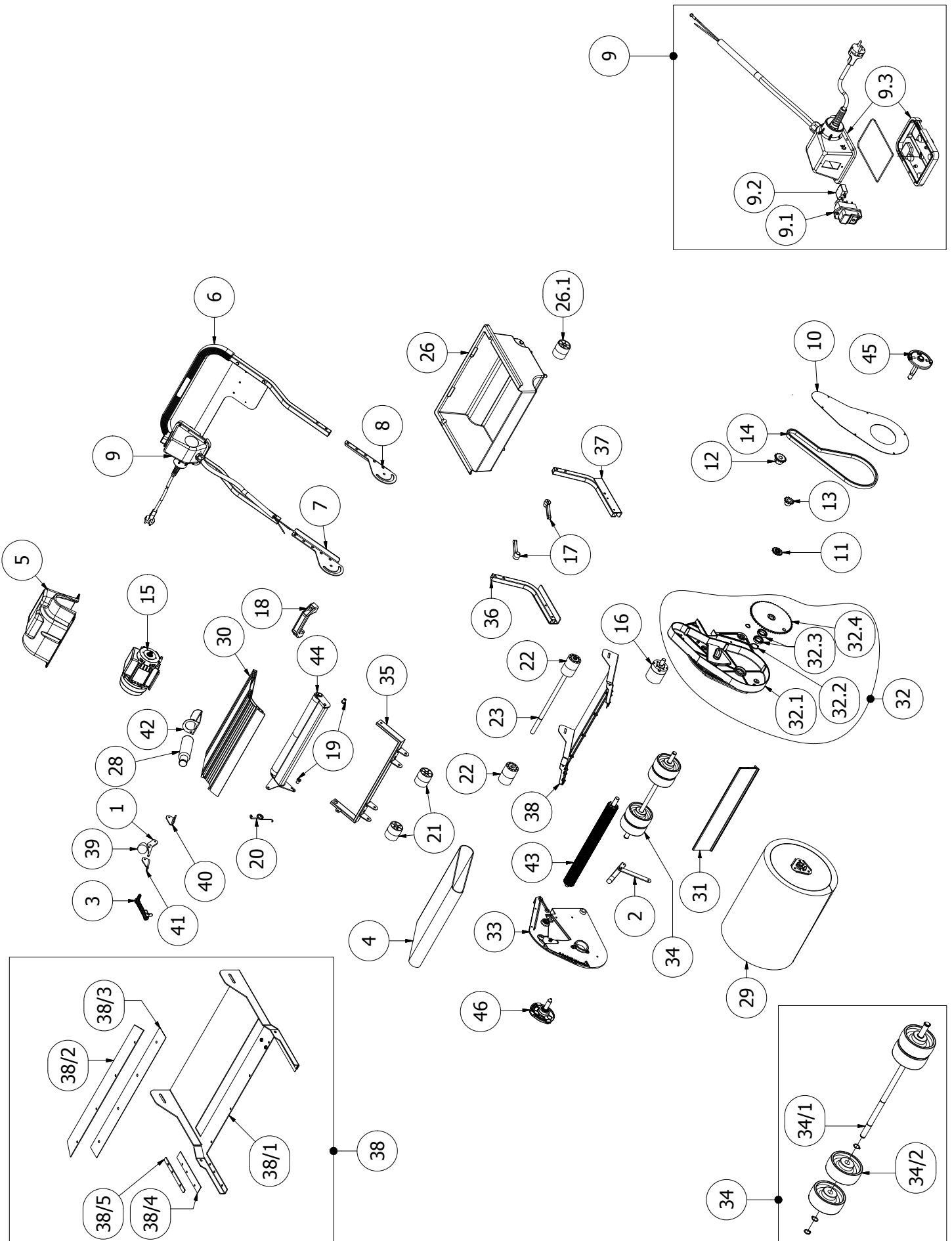
Spare parts and electric diagram

8.1 Spare parts

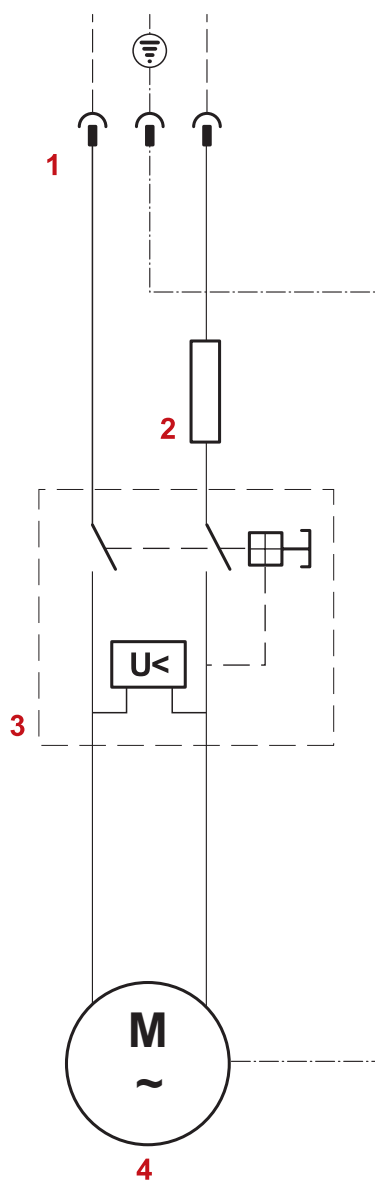
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7	154ES09D	1
8	154ES10D	1
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9	235ES 05A	1
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9.1	234MD03C	1
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14	285BERTA-05	1
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38	399LA12A-ADV	1
38	399LA12D	1
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41	399LA14D	1
42	399LA16D	1
43	399RM02A	1
44	399RS02A	1
45	399SM01A	1
46	399SM02A	1



8.2 Electric diagram



- | | |
|---|---------------------|
| 1 | Power socket |
| 2 | Thermal protection |
| 3 | ON/OFF switch |
| 4 | Disk motor |
| 5 | Pump motor (if any) |



AS TO TECHNICAL DATA SEE THE PLATE VALUE ON EACH COMPONENT.

RAIMONDI WARRANTY

Raimondi electrical machines for professional use satisfy the highest qualitative requirements.
For this reason Raimondi guarantees that your product is free from manufacturing faults.



Warranty Clauses

1. The device is guaranteed for a period of 12 months from the date of purchase.
2. The date indicated on the official receipt or invoice released at the delivery of the device by the seller is valid as date of purchase.
3. The warranty refers to the replacement or free repair of components acknowledged to be faulty due to manufacturing defects.
4. The complete replacement of the product is not provided for.
5. The replacement of components if carried out by the seller will be recognised free after the replaced components will be returned to our place to be examined and found faulty. The costs of labour are not included in the warranty.
6. All transport costs are at the expense of the buyer.
7. The parts subjected to wear are excluded from the warranty. Damages caused by negligence, improper use and installation and any event not dependent from the normal operation of the device.
8. The warranty expires if the devices has been tampered with or repaired by not authorized personnel.
9. The possible repairing intervention under warranty does not imply the extension of the original duration terms of the product warranty.
10. Nobody is authorized to modify the warranty terms or release other warranties, spoken or written, without the written authorization of RAIMONDI S.p.A.
11. The compensation of direct or indirect damages of any nature to people or things for the use or the suspension of use of the device is excluded.
12. Outside the Italian territory and where official importers are present the implementation of the after-sales service falls within the competence of the importers mentioned above.

REGISTER YOUR DEVICE

Raimondi machines are guaranteed for a period of 12 months from the date of purchase.
By registering your Raimondi machinery you will receive a rapid and efficient assistance service. And the advantages do not end here!

How do you register?

Register your own Raimondi device is very easy.

Go to the specific page of the website by scanning the QR CODE on the side with your smartphone or go to the site:
www.raimondispa.com/en/warranty-registration

You will find a simple form to compile where you will be asked few essential data to identify your device.



Thanks for choosing Raimondi

