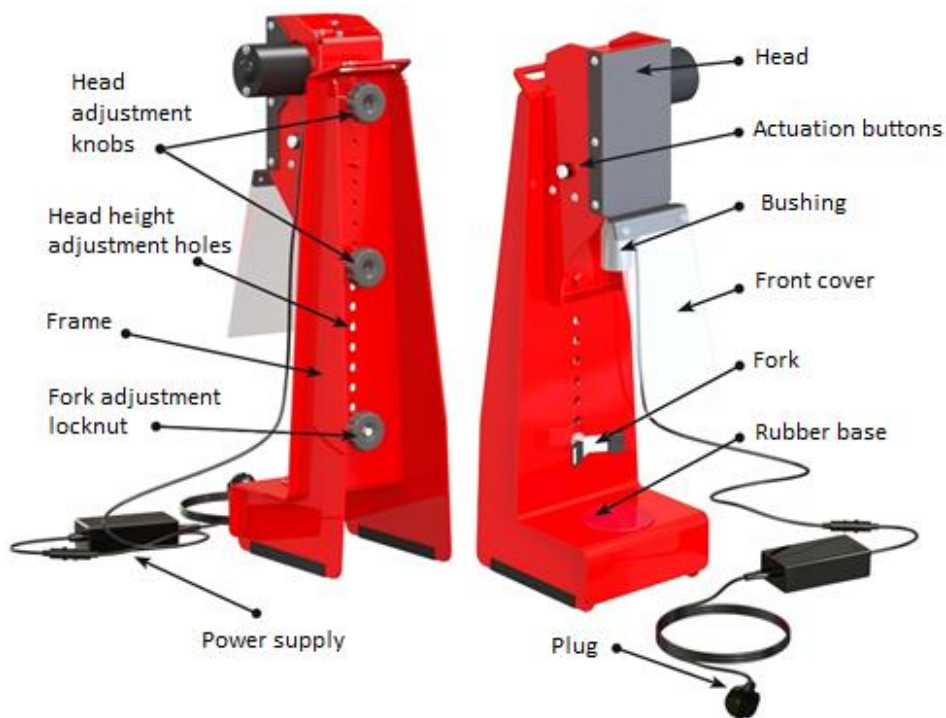


ELECTRIC CAPPER *ERCOLE*



Use and maintenance manual



Original instruction

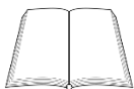


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1. Introduction and warnings

1.1. Symbols in the Manual



USE AND MAINTENANCE MANUAL:

Before starting the device, the use and maintenance manual must be carefully read and must be properly stored for future consultations.



ATTENTION DANGER:

Warning of the existence of serious threats to the physical safety or damage to the operator's health and/or thirds.

Scrupulously observe the precautions described.



PROHIBITION:

Information of extreme importance to avoid damage to the device and the environment in which it works.

Absolute prohibition to operate against the indicated prescriptions.



WARNING:

Information of extreme importance to avoid damage to the device and the environment in which it works.



Operation to be performed by qualified operator or a service centre.



DEMOLITION:

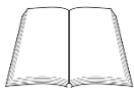
Indications for proper demolition and disposal (recycling).

1.2. Introduction

Ferrari Group according to the Machinery Directive 2006/42/EC and the Low Voltage Directive 2014/35/EU drawn up this manual.

This manual was written in Italian and in English. Ferrari Group can provide other translations to customers, in the language of the country where the product is sold.

The information contained in this manual may be subject to change without notice.



The complete reading of the manual and of all the documentation is required before doing any operation of installation, entry into service, use and maintenance of the machine.

1.3. Aim of the manual

The use and maintenance manual is supplied with *Ercole* copper and is intended for operators in charge of use and for maintenance workers.

Rev. 3 – 23/05/2024

This manual has the aim to give all the necessary information to the workers responsible for the transport, handling and use of the device in accordance with the function for which it was carried out, including information on maintenance.

A careful reading of the instructions and the scrupulous observance of the safety rules provided in this manual, guarantee to obtain the best results in terms of performance, operational safety, operating economy and durability of the machine.

The user must not tamper with or remove the protections or other parts of the machine; any modification made will result in the forfeiture of our declaration of conformity and will automatically cancel the warranty.



WARNING:

Failure to follow the instructions given in the manual could cause damage to the machine, to the man or to the environment, which in no case may be attributed to Ferrari Group.

1.4. Storage

The manual is an integral part of the machine, therefore it must be stored carefully and throughout its life, up to its demolition / disposal.

It is the customer's responsibility to keep this manual in a safe place and possibly known and accessible to all operators, including maintenance personnel, in order to guarantee immediate consultation in case of problems or uncertainties about the correct use of the device.

In case of sale of the device, make sure to give this manual to the new purchaser.

Any copies of the manual can be requested from Ferrari Group, specifying the model and the serial number of the device.



WARNING:

Is absolutely forbidden to remove, tear or modify parts of this use and maintenance manual.

1.5. General warnings for customers

Before installation, commissioning and use of the device, the workers must have read and fully understood the operating procedures and safety regulations reported in this manual.

It will be the Customer's responsibility to ensure that all persons involved have the necessary skills for the activities to be carried out in compliance with all the instructions contained in this manual.

The Customer have to check the non-dangerousness of the device in the concrete situation of use.



ATTENTION DANGER:

All operations related to: removal of packaging, handling, installation, commissioning must take place without the presence of children.



PROHIBITION:

The capping machine must not be used for professional purpose, but only for domestic use. Non-compliance with the ban may take the machine to overheat and to an early deterioration of the mechanical and electrical elements, with consequent decay of the appliance.

1.6. Warnings for installers, operators and maintainers

For installers, operators, maintenance personnel, authorized personnel, we mean those that for their training, experience, education, as well as the knowledge of the rules and / or regulations, have been authorized by the Customer, to perform any necessary activity on the device.

Installers, operators and maintenance personnel must comply with all the instructions contained in the manual.

Ferrari Group cannot be held responsible for actions performed by inadequately qualified and competent personnel, which could cause damage to things and / or people.

1.7. Manufacturer responsibility

No responsibility can be attributed to Ferrari Group in the event of accidents or damage to property or persons, if the device is tampered, deprived of protections or if it is used for purposes not provided by the manufacturer, as indicated in this manual including the installation of unauthorized accessories or the use of unsuitable lubricants compared to those recommended by the Ferrari Group.

The manufacturer is considered relieved of any liability in case of:

- Improper use of the device;
- Use contrary to the current regulations on accident prevention and safety at work;
- Shortages in ordinary and/or extraordinary maintenance;
- Failure to perform maintenance;
- Unauthorized modifications or interventions;
- Total or partial failure to comply with the instructions;
- Exceptional events not foreseeable under normal conditions of use.

2. Description of the device

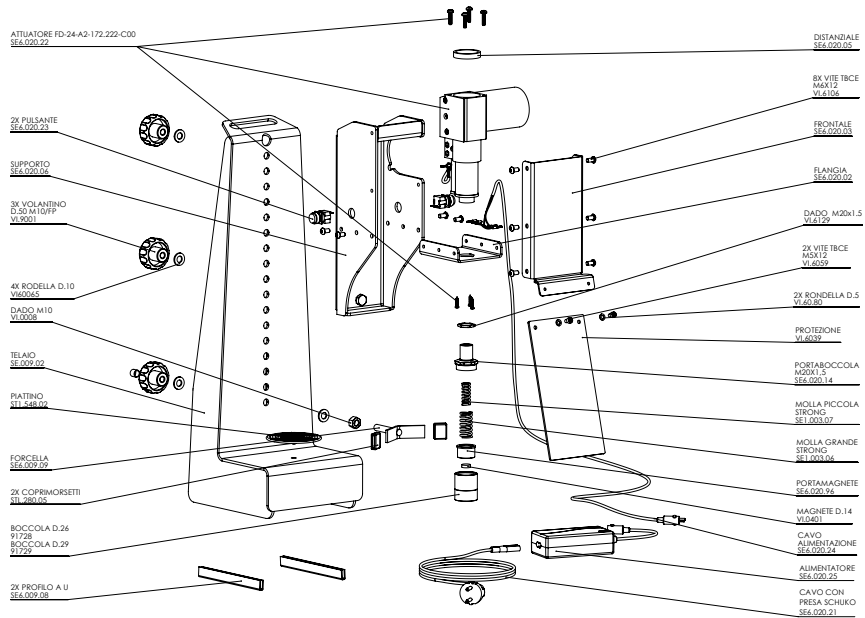


Figure 1 - Components of the device

2.1. General description

The Ercole capping machine, allows the capping of glass bottles, in a semi-automatic way, allowing to obtain a high productivity and a high quality in particular from the hygienic point of view. Human intervention remains indispensable in some stages of the capping process, for example for starting the machine via the drive buttons.

2.2. Components

The machine is formed by the components as shown in Figure 1, and arrives to the customer already assembled, except for the U-shaped profiles, the plexiglass protection and the interchangeable parts to be inserted at the customer's choice, such as the bushings.

Identification Code	Number	*	NAME OF COMPONENTS
SE6.020.22 FD-24-A2-172.222-C00	1	D	Actuator complete with fixing screws
SE6.020.23	2	D	Push buttons
SE6.020.06	1	D	Support
VI.9001 D.50 M 10/FP	3	C	Handwheel (head height adjustment knob)

VI.60065 D.10	4	C	Washer
VI.0008 M 10	1	C D	Nut
SE.009.02	1	D	Frame
SE 6.009.09	1	C D	Fork
ST1. 548.02	1	C D	Rubber saucer
STL. 280.05	2	C D	Clamp cover
SE6. 009.08	2	C D	U profile
SE6.020.04	1	D	Spacer
VI.6106 M6X12	8	D	Hex Socket Head Cap Hollow Screws
SE6.029.03	1	D	Front
SE6.020.02	1	D	Flange
VI.6129 M20x1.5	1	D	Nut
VI.60.80 D.5	2	C D	Washer
VI.6059 M5X12	2	C D	Hex Socket Head Cap Hollow Screws
91728 D.26	1	C D	Bushing diameter26
91729 D.29	1	C D	Bushing diameter29
VI.6039	1	C D	Plexiglass protection
SE6.020.14 M20X1,5	1	D	Bushing holder
SE1.003.07	1	D	Small spring Strong
SE1.003.06	1	D	Big spring Strong
SE6.020.96	1	D	Magnet holder
VI.0401 D.14	1	D	Magnet
SE6.020.24	1	D	Power cord
SE6.020.25	1	C D	Power supply
SE6.020.21	1	C D	Power cable

* **C** indicates the components that can be ordered from the Ferrari Group by the customer.

D indicates the components that can be ordered from the Ferrari Group by the distributor.

2.3. Safety devices

The appliance is equipped with the following safety devices:

- 1) Two-hand pushing buttons;
- 2) Schuko electrical plug;
- 3) Plexiglas front panel;
- 4) Rubber saucer for the stability of the bottle

2.4. Data sheet

Model	Ercole
Dimensions	L max 19 cm x P max 23 cm x H max 62 cm (Head adjustable in height)
Weight	13,6 Kg
Power supply	100-240V, 50/60 Hz 2A
Electric actuator	24 VDC
Bushing descent speed (cupping)	20 mm/sec.
Duty Cycle	10% Max:2min/18min
Safety devices	Two actuating buttons and protective front panel
Bushes with magnet	1. for crown caps Ø 26 mm 2. for crown caps Ø 29 mm (with this bushing it is possible to use smooth and finned plastic mushroom caps)
Bottles suitable for use	H max 38 cm Ø max 14,5 cm without fork
Device placement	Indoor environment
Environmental conditions of use	Room temperature
Placement	Horizontal and stable support surface
Noise	Less than 48 dB

3. Terms of use

3.1. Intended use

The electric capping machine Ercole has been designed to allow and facilitate the capping of the most popular bottle models on the market, with crown caps and plastic caps mushroom smooth and finned. This appliance is not suitable for use by people with disabilities or temporary disability, including children.

The use of the appliance is permitted, provided that all the safety elements are functional and intact.

The intended environment of use of the appliance is residential or similar, indoor, placed on hard and flat surfaces with a stable base.

Permitted use is **only** that described in the manual.



ATTENTION:

Any other use not specifically indicated, makes the user solely responsible for any damage to persons and / or things and will void the warranty.

3.2. Reasonably foreseeable misuse

The **incorrect uses** are reasonably foreseeable, but **absolutely prohibited**, are the following:

- put into operation or use the appliance before reading carefully the user manual and maintenance;
- power the battery of the appliance with mains voltage with different values from those shown on the identification plate;
- modify electrical parts of the appliance;
- use the appliance if are noticed any defects in it or in its parts (for example, that the power cable is damaged);
- place and use the appliance on unstable and irregular surfaces, different from those indicated in the manual;
- use the appliance in an environment subject to splashes or jets of water;
- use the appliance in a poorly lit environment;
- allow to carry out maintenance operations by personnel not properly trained on the procedures indicated in the use and maintenance manual
- perform maintenance procedures without disconnecting the appliance from the power supply;
- modify and / or tamper with the protection and safety devices of the appliance.



ATTENTION:

Any tampering, makes the user responsible for any damage to people and / or property and will void the warranty.



ATTENTION:

Residual risk of use and / or incorrect behaviour compared to the provisions of this manual, with particular reference to the competence of those who perform maintenance on the machine.

3.3. Assessment

Before installation and commissioning, the **Customer** must carry out the following checks:



WARNING:

The following are extremely important information aimed at avoiding serious damage to the device, to people and to the environment in which it is intended to operate.

- **Environment features:**
 - The appliance must be installed and used in interior rooms that are well lit by artificial or natural light, as it is not equipped with lighting devices incorporated in the machine itself;
 - The appliance must be installed in such a way as to avoid tripping or damage to the power cable;
 - The appliance must be installed and used on a rigid, stable and level surface, at a suitable height for the operator;
 - The area surrounding the machine must be free of any type of encumbrance;
 - The device cannot be installed in hazardous environments subject to fire and / or explosion hazards;

- The device cannot be installed in environments where the temperature can drop below 0 ° C or exceed 40 ° C.
 - The device cannot be installed in environments where humidity in the air is high or where condensation may form on it for long period of time.
- **Electrical system features:**
- Before making the connections, make sure that the data shown on the ID plate correspond to those of the electrical distribution network;
 - the supply voltage must not differ from that indicated on the ID plate;
 - the power supply line must be protected by the use of differential magnetothermal devices;
 - in the case of installations where an extension is used, its capacity must be adequate to the power absorbed by the appliance;
 - the electrical system must be equipped with a grounding system.



WARNING:

Any discrepancy of the systems, with respect to what is specifically established by this manual and by the law in force, makes the user responsible for any damage to people and / or property and make fall the warranty.

3.4. Packing and unpacking

The appliance is delivered to the customer with an external cardboard box, while inside the device is completely wrapped in bubble wrap.

The components present in the packaging (Figure 2):

- The assembled *Ercole* appliance, with bush for crown caps Ø26 mm;
- The protective front panel, with the relative screws and fixing washers;
- A bush for crown and mushroom cup Ø29 mm;
- Power supply unit with power cable with schuko plug;
- The use and maintenance manual.

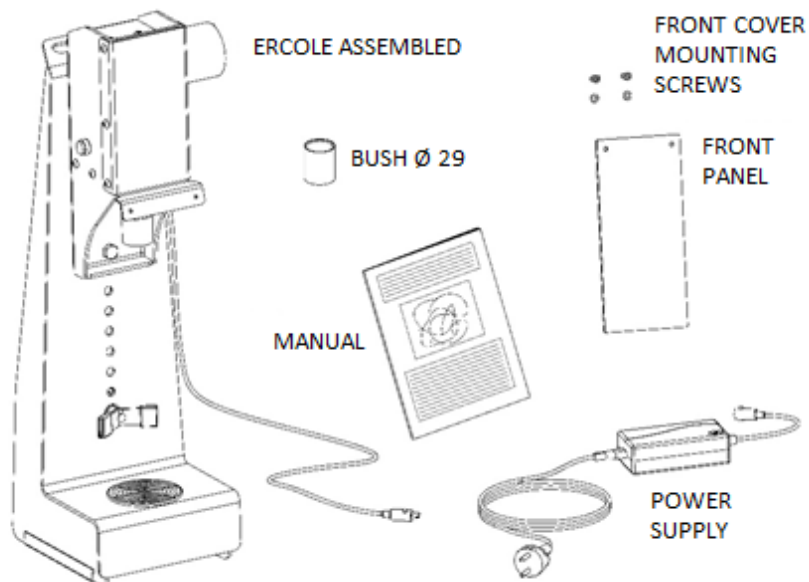


Figure 2



WARNING:

After unpacking the appliance, make sure that it is not damaged. If anomalies are noticed, contact Ferrari Group immediately.

Damage caused by incorrect transportation is not covered by the warranty.

During unpacking, make sure there are no children present. Plastics placed inside the box, if improperly used, could be a source of danger due to suffocation.

It is advisable to keep the packaging, in case of future movements, to ensure correct and safe handling.

3.5. Operations for preparation for use



WARNING:

Before doing any capping operation, the appliance must be adjusted according to the type of bottle that will be used.

1. Place the capper on a flat and solid surface; at a height of not more than 1 meter, so that the plexiglass protection, once positioned correctly, must be at the height of the breastbone (Figure 3).



Figure 3

2. Screw the protective front plexiglass panel using a 3 mm Allen key (Figure 4). (Operation that must be carried out the first time it is recommended not to remove the front panel for storage).



Figure 4

3. If necessary, replace the standard preassembled bushing for crown caps $\varnothing 26$ mm, with the bush for crown caps $\varnothing 29$ mm, unscrew the bush holder (Figure 5),



Figure 5

unscrew the Ø 26 mm bush (Figure 6), replace with the bush Ø 29 mm. (Figure 7) and screw again.

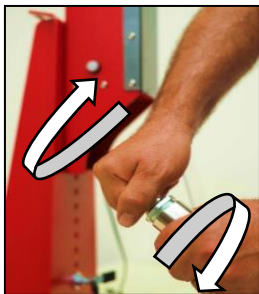


Figure 6



Figure 7

Finally, screw the bushing holder back on (Figure 8).

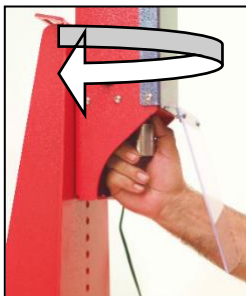


Figure 8

4. In case of replacement of the bush or use of the pre-assembled bush, proceed to grease the inside of the bush with the specific edible Grease (Food Grade) for the lubrication of food-processing machinery, to facilitate the extraction of the bottle (Figure 9). The grease recommended by the manufacturer is Pakelo Motor Oil Lubrificant, it can alternatively be used Vaseline grease always for food use. Before proceeding with this operation, read the warning / attention below related to point 4.



Figure 9

5. Adjust the height of the head by first unscrewing the rear knobs (Figure 10) then move the head through the insertion of the knobs in the selected holes (Figure 11), so that they remain 15-20 mm between the bush and the neck of the bottle, and fixing again the head by tightening the rear knobs (Figure 12).



Figure 10

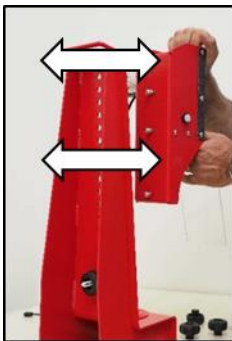


Figure 11

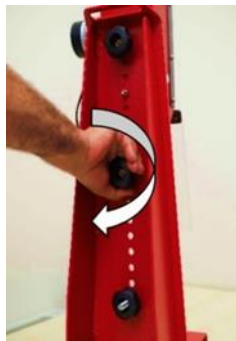


Figure 12

6. Perform, if desired, a more precise adjustment by unscrewing the bushing holder and locking it with the lock nut (Figure 13).



Figure 13

7. Place the bottle to be capped at the base on the rubber saucer. (Figure 14)
8. Position the fork, adjusting both its height and depth, depending on the bottle to be capped. Bring the fork in contact with the bottle by sliding it forward or backward so that the hole in the bottle is perfectly aligned with the interchangeable bush (Figure 14). Finally, fix the position by tightening the nut and counter-nut behind (Figure 15).



Figure 14



Figure 15

9. Connect the appliance to the power supply (Figure 16) and the power supply to the mains.

Figure 16



WARNING:

Regarding point 4, the recommended lubricant is not considered dangerous according to the 1272/2008/EC directive under normal conditions of use. It is advisable to avoid repeated and prolonged contact with the skin and to wash your hands thoroughly after handling with plenty of water and soap. It is recommended to use disposable gloves for food use. In the event of contact with the eyes, immediately wash the eyes with plenty of water for a few minutes keeping the eyelids open. Ask for any medical help. It is recommended to use safety glasses. If swallowed, do not induce vomiting to avoid the risk of aspiration through the respiratory tract. Ask for any medical help. In case of inhalation caused by vapours leave the contaminated air in a well ventilated area. Ask for any medical help. In the event of fire in the area of the machine containing the lubricating oil even in small quantities, extinguish the flames with foam, chemical powder or CO2 not with water. Store the lubricant in the original containers, tightly closed, in a cool, well-ventilated place, away from heat sources and direct sunlight. Do not store at temperatures above 50 ° C.

3.6. Use of the capper

After the preparation, as indicated in the previous section, the capping operation requires the synchronism of different actions, the perfect placing of the bottle, the correct positioning of the cap, its compression and thrust in the bottle, so it will be necessary to continue with the following procedure:

- 1) Place the bottle on the base, taking care to align the neck of the bottle and bushing on the same axis;
- 2) Insert the crown cap under the bushing (a magnet holds the cap in place), or the plastic cap on the neck of the bottle (Figure 17);



Figure 17

- 3) Place both hands on the side electric buttons (Figure 18);



Figura 18

- 4) **Press both buttons SIMULTANEOUSLY** until the cap is correctly inserted;
5) As soon as the bottle is capped release both buttons;
6) After the capping phase the buttons can remain pressed for a maximum time of two seconds



ATTENTION DANGER:

It is absolutely forbidden to keep the buttons pressed for more than 5 consecutive seconds, to avoid any overheating.



ATTENTION DANGER:

It is absolutely forbidden to try to extract the bottle in the event of an electrical blackout, risk of breaking the bottle.



WARNING:

The capper is sized and suitable for continuous capping of up to 120 bottles per hour.



WARNING:

It is recommended to use anti-abrasion gloves and suitable clothing when working with the machine.



WARNING:

Be careful when positioning the bottle not to rub the sides of the front panel with bare hands or forearms to avoid the risk of slight abrasion as there are sharp edges.



WARNING:

Disconnect the machine from the power supply after use.

4. Appliance maintenance



WARNING:

Every cleaning and maintenance operation of the appliance must be carried out only after having disconnected it from the power supply. If one or more parts are damaged, do not use the appliance and contact a specialized technician.



ATTENTION DANGER:

For maintenance, it is necessary to use original spare parts, penalty forfeiture of the warranty terms.



ATTENTION DANGER:

If the power cable is damaged, it must be replaced by the manufacturer or by its technical assistance service or by a similarly qualified person in order to prevent any risk.

The appliance needs ordinary maintenance and cleaning like any other product, in order to keep it in perfect conditions, even after years of use.

The body of the appliance is made of the best quality materials that ensure:

- Brilliance;
- Good anti-scratch resistance;
- Absence of porosity.

To preserve these characteristics it is recommended to clean the external parts only with a damp cloth, avoiding the use of detergents of any kind, alcohol or solvents. Do not clean with automatic washing systems. Do not use jets or splashes of water; do not allow water to filter inside the electronic parts. The 7 section contains a maintenance sheet to write down the operations carried out.



WARNING:

Always keep every single part of the machine clean and dry.

4.1 Maintenance by the customer

The components indicated with the letter * C, in paragraph 2.2 *Components*, can be ordered by the **CUSTOMER exclusively** to the Ferrari Group as spare parts in case of wear, for the maintenance of the machine.

4.2 Maintenance by the Retailer

The components indicated with the letter * D, in paragraph 2.2 *Components*, can be ordered from the **RETAILER exclusively** to the Ferrari Group as spare parts in case of wear, for the maintenance of the machine.

5. Demolition and disposal

The product cannot be disposed of with other household waste at the end of its use life, but as per symbol on the label, it must be disposed as electronic electrical waste.

For correct disposal of the appliance, users are invited to contact the local service responsible for waste collection and disposal.



WARNING:

The Manufacturer does not assume any responsibility for damage to people and / or things arising from the use of individual parts of the appliance for functions or uses different from the original ones for which the appliance and the same have been designed.

6. Declaration of conformity and ID plate

6.1. Declaration of conformity

Fac simile!

DICHIARAZIONE DI CONFORMITA'
EC DECLARATION OF CONFORMITY

Dichiarazione/ Declaration n° _____/anno/year

IL FABBRICANTE/THE MANUFACTURER

FERRARI GROUP S.r.l.

con sede in/registered office

Via Europa, 11 – 43022 Basilicogioiano (PR)

P. IVA 01798570345 Cod. Fisc. 01798570345

DICHIARA/DECLARES

sotto la propria ed esclusiva responsabilità, che l'apparecchio di nuova e propria costruzione
under its sole and exclusive responsibility that the new household appliance

Tipo: **TAPPATRICE-CAPSULATRICE/CAPPER**
Modello: **Ercole**
Funzione: **Elettrodomestico per la tappatura/Capping household appliance**
Numero di serie/serial number: _____
Anno di costruzione/year of construction: **201..**

è conforme nella progettazione e nella costruzione alla Direttiva 2014/35/UE Bassa Tensione, Direttiva Macchine 2006/42/CEE e regolamento di attuazione D.Lgs. 17/2010 del 27 Gennaio.

is compliant in the design and construction with the Directive 2014/35/EU Low Voltage, Machinery Directive 2006/42/EEC and implementing regulation D.Lgs. 17/2010 of 27 January.

Si dichiara inoltre che sono state applicate le seguenti norme armonizzate:

It is also declared that the following harmonized standards have been applied:

- UNI EN ISO 12100:2010 – Sicurezza del macchinario/*Safety of machinery* – Principi generali di progettazione/*General principles for design*
- UNI ISO/TR 14121-2 – Sicurezza del macchinario/ *Safety of machinery* – Valutazione del rischio/*risk assessment*

Il fabbricante evidenzia che tale dichiarazione è relativa esclusivamente all'apparecchio sopra descritto, nello stato e nelle condizioni d'uso per le quali è stato immesso sul mercato, escludendosi i componenti aggiunti e/o le operazioni effettuate successivamente dall'utente finale.

The manufacturer indicates that this declaration relates exclusively to the appliance described above, in the state and in the conditions of use for which it was placed on the market, excluding the added components and/or the operations carried out subsequently by the end user.

Nome della persona autorizzata a costituire il Fascicolo Tecnico è/ *The name of the person authorized to constitute the Technical Documentation is:* Piergiorgio Asinari presso la/at the FERRARI GROUP s.r.l., con sede in/ based in Via Europa, 11 – 43022 Basilicogioiano (PR)

Identificazione del firmatario/*Identification of the signer:*

Funzione nell'azienda fabbricante/*function in the manufacturer company*

Luogo/Place Basilicogioiano (PR) Data/Date

Signature and stamp

6.2. ID plate

Identification plate:

Ferrari Group s.r.l. – Via Europa, 11 – 43022 Basilicogioiano (PR) Italia/Italy	
Elettrodomestico per la tappatura/ <i>Capping household appliance</i>	
Tipo/type: TAPPATRICE/ <i>CAPPER</i>	
Modello/model: Ercole	
100-240 VAC 50/60 Hz 2A	
Nr. di serie/Serial number: _____	
Anno/year: _____	
	MADE IN ITALY
	

Indicative plate, the dimensions of the one affixed to the device are 80mm x 49mm.

PRODUCED AND MANUFACTURED IN ITALY.

The CE identification plate with serial number is located on the back of the appliance.

6.3. Warranty

The product is guaranteed for 24 consecutive months from the date shown on the fiscal document of purchase.

The guarantee includes faults attributable to defects in construction or imperfections in the materials used. The consumables (bushing, etc.) are excluded from the warranty, the wear of which depends on the methods and conditions of use.

The warranty expires:

1. If operations were carried out by non-qualified personnel;
2. If non-original spare parts have been used;
3. If the appliance has been hit or hit;
4. If the instructions in this manual have not been followed carefully.

For any repairs under warranty, the appliance must be delivered, packaged, at the expense of the purchaser; the warranty only concerns the replacement of defected parts.

For any other conditions not expressly stated above, reference is made to the national sales regulations in force.

7. List of maintenance / checks carried out

[illegible]



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