

**Full Automatic Espresso Coffee
Machine-Table Top**

Model : MACES4C- * M-00

Draft:

Date: 31th-October-2019

Version:01

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Machine Dimension: H 700mm, W 420mm, D 450mm

Size of Refrigerator: H 450mm, W 255mm, D 515mm

MACES4C machine is composed of the following parts:

Grinder, Brewer, coffee bean canister, 3units of instant powder canisters, 2 units of mixer, 1 unit of coffee residue bucket, 1unit of water drip tray, hot water system, drink outlet mouth, control system(IO+ touch screen), Shell, door and other modules.

Optional module

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- Coin changer and boxer
- 4G router
- Remote control
- Refrigerator
- Face recognition



帶你看懂MACAS的型号代码

ES

Professional High Temperature
and High Pressure Italian
Coffee Brewing System

Model Code

01



Model Code

02

4C

3units of Instant Powder Canister
and 1unit of Coffee Bean Canister
(Include 2 Mixer)

*** M**

Fresh Milk System(**Optional
Module**)

Model Code

03

Main parts : (Include "*" means optional)

- ES: Professional high temperature and high pressure Italian coffee brewing system
- 4C: 3units instant canisters and 1unit coffee bean canister (include 2units mixer)
- *M: Fresh Milk system (Making high-quality cold and hot milk foam with fresh

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milk)

1. Major Beverage List

MACES4C-*M-00 machine can provide different drinks based on customer requirements. But major include: hot water, instant drinks , Italian coffee.

- Bevergae List (Display on touch screen) :
 - Italian coffee
 - Americal coffee
 - Cappuccino
 - Caffe Latte
 - Mocha
 - Tea with fresh milk
 - Hot milk
 - Hot chocolate
 - Chocolate fresh milk
 - Hot water
- Sugar can be selected
- Other types of drinks can be configured according to customer requirments.

2. Feature:

- Embedded Barista AI artificial intelligence system, This system can accurately reproduce and control the process steps of professional coffee makers.
 - 15.6 inch industrial display and capacitive touch system
 - Vending system supports Multi-platform (LINUX, ANDROID, WINDOWS)
 - Machine Dimension : 700(H) x 420(W) x 450(D)mm
 - Refrigerator : 450(H) x255(W)x(D)515mm
 - Mug (Height can be adjusted)
 - Max cup height : 110mm
 - Min cup height : 70mm
 - Max height of coffee pot : 180 mm
 - Drip tray full water reaction
 - Drip tray position reaction
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- Canister with no bean detection
- All executable component can reporting status, for example: Valve , motor blocking with over current protection , disconnection detection ,status report
- Boot with self check, water system alarm with no water
 - Communication port: USB, 4G router
- Payment interface: MDB (Card reader , Coin changer can be selected)
- BACK-OFFICE-SYSTEM: EVA-DTS
 - product price setting
 - Vending data statistic
 - Machine status mornitor
- Dose can be adjusted on background software
- Intelligent machine maintenance system
- Daily automatic cleaning
- Automatic descaling
- Automatic remove the powder in the grider
- Drinks configuration and machine configuration graphical tool
- High flexible parameter configuration adjustment tool
- Support Multinational languages
- Multimedia Video Advertisement playing during standby time

3. Key Parameter

- Life : 125000cups , (Evaluation: design life of core modules is 5years , 100cups/day , 250days/year.)
 - Failure rate: 1.5times/year
 - Single instant drink in 20 seconds (120ml)
 - Single Espresso coffee in 40seconds (30ml) (brewing 35seconds)
 - Hot water outlet speed: 20L/H
 - Machine startup in 4mimutes , include boiler heating time.
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4. Maintenance

- Rapaid maintenance guide card
- Maintenance handbook: DE/EN/FR/ES/CN (include accessory list)
- Water system chart
- Frequency of maintenance: 100cups of fresh coffee or daily
- Maintenance guide card

5. Storage

- Storage temperature : +5°C— +50°C
- Humidity: 10%—90%

6. Standard

- Electrical safety(CE):
 - LOW VOLTAGE DIRECTIVE 2006/95/EC
 - HARMONIZED STANDARDS: EN 60335-1/EN 60335-2-75
- EMC:
 - DIRECTIVE 2004/108/EC
 - HARMONIZED STANDARDS: EN 61000-6-3 / EN 61000-6-1 / EN 61000-3-2 / EN 61000-3-3 / EN 55014-1 / EN 62233
- ROHS:
 - DIRECTIVE 2002/95/EC
- Food safety:
 - DIRECTIVE 1935/2004/EC
- Energy consumption :
 - Idle energy:< 5W

7. Machine installation

- Power supply: AC230 V / 50 Hz/60HZ
 - Installation power: 3000W
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- Fuse: 15A
- Inlet water pressure: 0.5 – 7 BAR
- Background installation space: 60 mm
- The side of installation space: 0mm (suggest reserve 5mm)
- Inlet water hardness: 2~8°HD (Filter in need when out of range)
- Operating temperature: 5-35°C, Humidity 80%
- Weight: 50kg

8. Volume Parameter

- Water bucket used for residual air : 200ml
 - Boiler : 700ml 2700W AC230V
 - Refrigerator Volume : 4L
 - Drip tray volume : 1000ml
 - Coffee residue bucket volume :100 coffee cakes(based on Espresso product of 8g coffee powder)
 - Instant canister volume : 3groups , each group of 2.5L (volume can be adjusted based on customer)
 - Coffee bean canister volume : 2.2L
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