

**Full Automatic Espresso Coffee  
Machine-Coffee Station  
Model: MACES7C-\*F-300-90-00**

Draft:  
Date: 20181210  
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**Machine Dimension: H 1830mm, W 664mm, D 700mm**

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## 1. Introduction

MACES7C-300-90-00 is composed of the following parts:

Grinder ( 1 ), Brewer ( 1 ), Tea brewer ( 1 ), Coffee bean Canister ( 1 ), instant canister ( 7 ), Mixer( 3~4 ), coffee residue bucket( 1 ), waste water bucket( 1 ), drip tray( 1 ), hot water system ( 1 ), drink outlet mouth ( 1 ), cup system ( 1 ), touch screen ( 1 ), 27inch multimedia advertisement screen ( 1 ), control system ( IO+touch screen )( 1 ), shell ( 1 ), door ( 1 ), Cooling unit (1) and other modules. Optional module( foam system) Optional module ( Cash module, Coin module )

( Remark : Number in the bracket means total number of modules )

**S BARISTA AI  
Macas**

Understand the **MACAS** Model Code

**ES** Professional High Temperature and High Pressure Italian Coffee Brewing System Model Code **01**

Model Code **02** **7C** 6units of Instant Powder Canister and 1unit of Coffee Bean Canister ( Include 3 Mixer )

**\*F** Foam System(Optional Module) Model Code **03**

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- Main parts : ( Include "\*" means optional )
  - ES: Professional high temperature and high pressure Italian coffee brewing system
  - 7C: 6units instant canisters and 1unit coffee bean canister ( include 3units mixer )
  - \*F: Foam system ( Making high-quality cold and hot milk foam with milk powder )

## 2. Major Beverage List

MACES7C-300-90-00 machine can provide different drinks based on customer requirements. But major include: hot water, instant drinks , Italian coffee.

## 3. Major Beverage List:

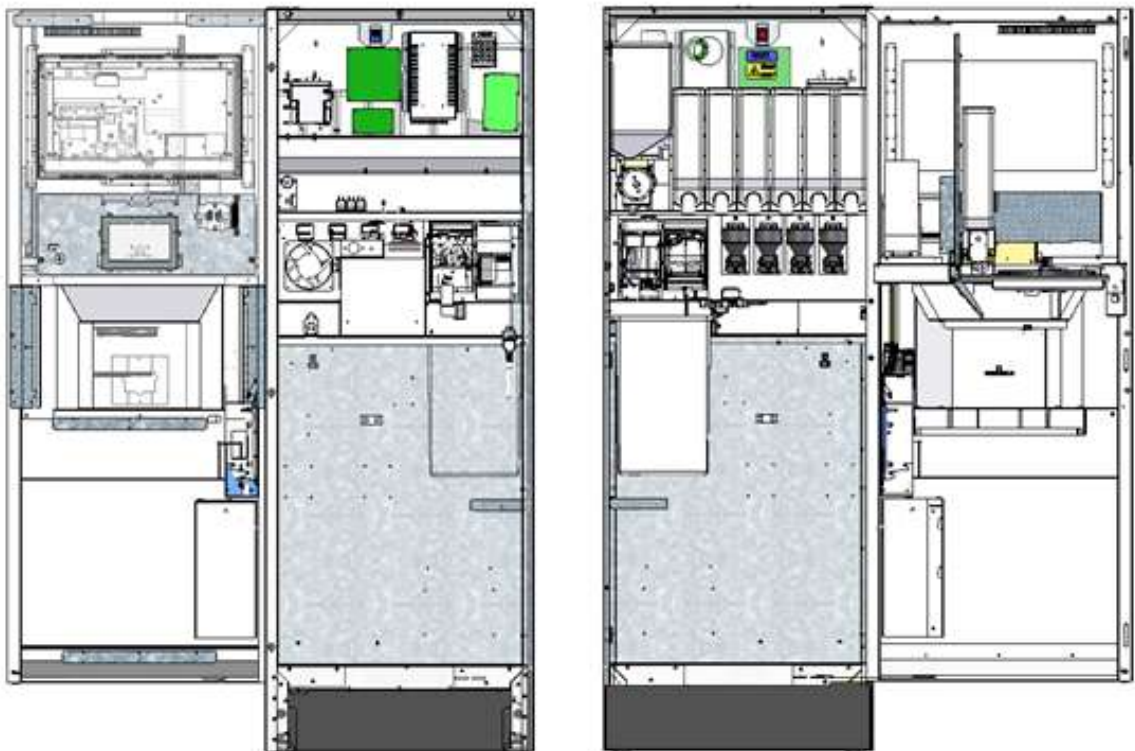
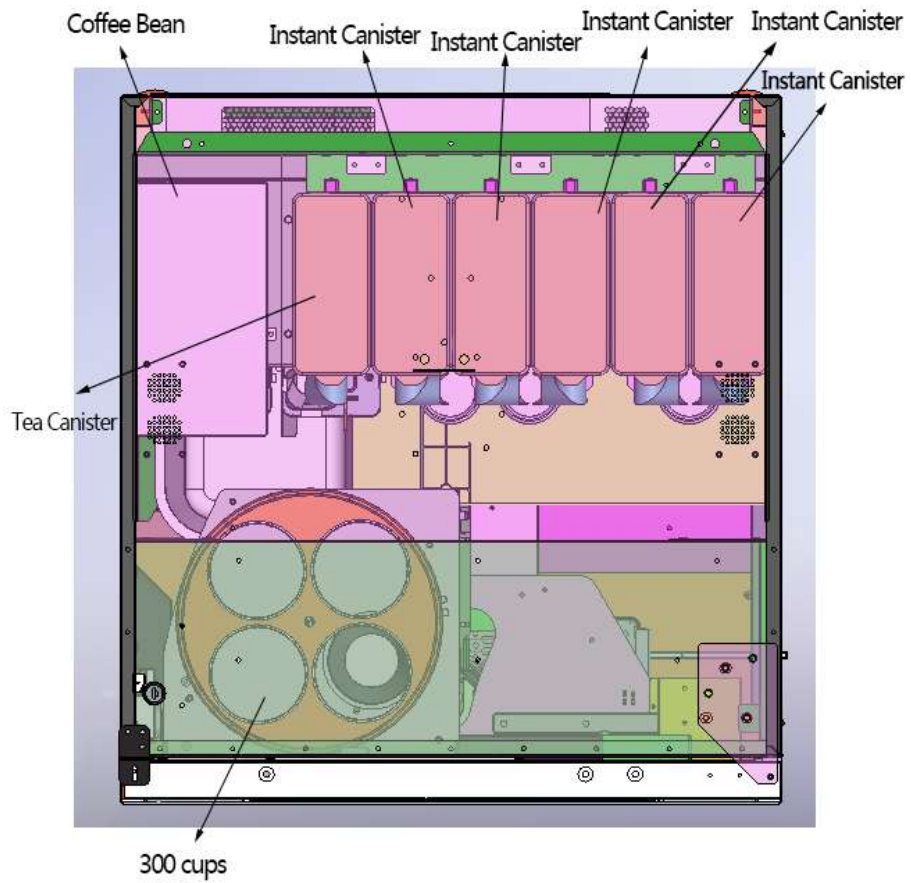
- Macchiatto
- Italian coffee
- Americal coffee
- Cappuccino
- Caffe Latte
- Mocha
- Americal coffee (Cold )
- Bubble tea
- Instant tea
- Milk tea
- Hot milk
- Hot chocolate
- Chocolate milk
- Hot water
- More drink category can be edited
- Sugar can be selected
- Other kind of drinks can be configured based on customer requirements.

## 4. Machine feature:

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- 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 : H 1830mm, W 664mm, D 700mm
    - 300 cups , 4 cup buckets , cup diameter is 90mm
    - Mug
      - Max cup height : 150mm
      - Min cup height : 70mm
    - Max height of coffee pot : 200 mm
    - 27 inch multimedia advertisement screen
    - Proximity sensor
    - Waste water bucket full water reaction
    - Speed of mixer motor is adjustable
    - Dose of coffee bean is adjustable ( 0~12g )
    - Canister with no bean detection
  - All executable component can reporting status, for example: Valve , motor blocking with over current protection , disconnection detection ,status report
    - Root self check , water system alarm with no water
  - RFID automatic lock , Electromagnetic induction unlock state
  - Adopt code lock to open the door or Emergency lock to open the door
  - Communication interface: USB, 4G router
    - Payment interface: MDB , mobile payment interface ( support coin changer and cash receiver )
    - APP drinks taste adjustment interface
    - Cloud platform or IOT remote control interface
    - Data system: EVA-DTS
      - Product price setting
      - Vending data statistic
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- Machine status monitor
- Dose of instant drinks is adjustable
- Intelligent machine maintenance system
- Daily automatic cleaning
- Automatic descaling
- Automatic remove the powder in the grinder
- Drinks configuration and machine configuration graphical tool
- High flexible parameter configuration adjustment tool
- 27 inch multimedia advertisement playing

## 5. Machine Key Parameter

- Design life : 125000cups , Design life of core module is 5years, ( Evaluation: design life of 5years , 100cups/day , 250days/year.
- Failure rate: 1.5times/year
- Single instant drink in 25seconds (120ml)
- Single Espresso coffee in 40 seconds (30ml) ( brewing 35seconds)
- Hot water outlet speed: 20L/H
- Machine startup in 4mimutes, include boiler heating time.

## 6. Maintenance

- Rapaid maintenance guide card
- Maintenance handbook: include accessory list
- Frequency of maintenance: 100cups of fresh coffee or daily
- Maintenance guide card

## 7. Storage

- Storage temperature : +5°C to +50°C
  - Humidity: 10% to 90%
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## 8. Standard

- Electrical safety( CE ):
- Safety certification of materials contact with food
- Energy consumption grade:
  - Idle energy: <75W

## 9. Installation

- Power supply: AC 220 V / 50 Hz/60HZ
- Installation power: 3000W
- Max output power : 3000W
- Fuse: 15A
- Inlet water pressure: 0.5 – 7Bar
- Water tank : 2 units ( 18.9L )
- Background installation space: 60 mm
- The side of installation space: 0mm (suggest reserve 5mm)
- Inlet water hardness: 2~8°HD
- Operating environment: 5-40°C, Max humidity 90%
- Weight: <150kg
- Full load : <220kg ( include bottled water )

## 10. Volume Parameter

- Water bucket used for residual air : 200ml
  - Boiler : 700ml 2700W AC230V
  - Waste water bucket volume : >12L
  - Coffee residue bucket : >15L
  - Instant canister volume : 7groups
  - Instant canister volume: 3.8L ( Volume can be adjusted based on customer requirements )
  - Coffee bean canister volume : 10L
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