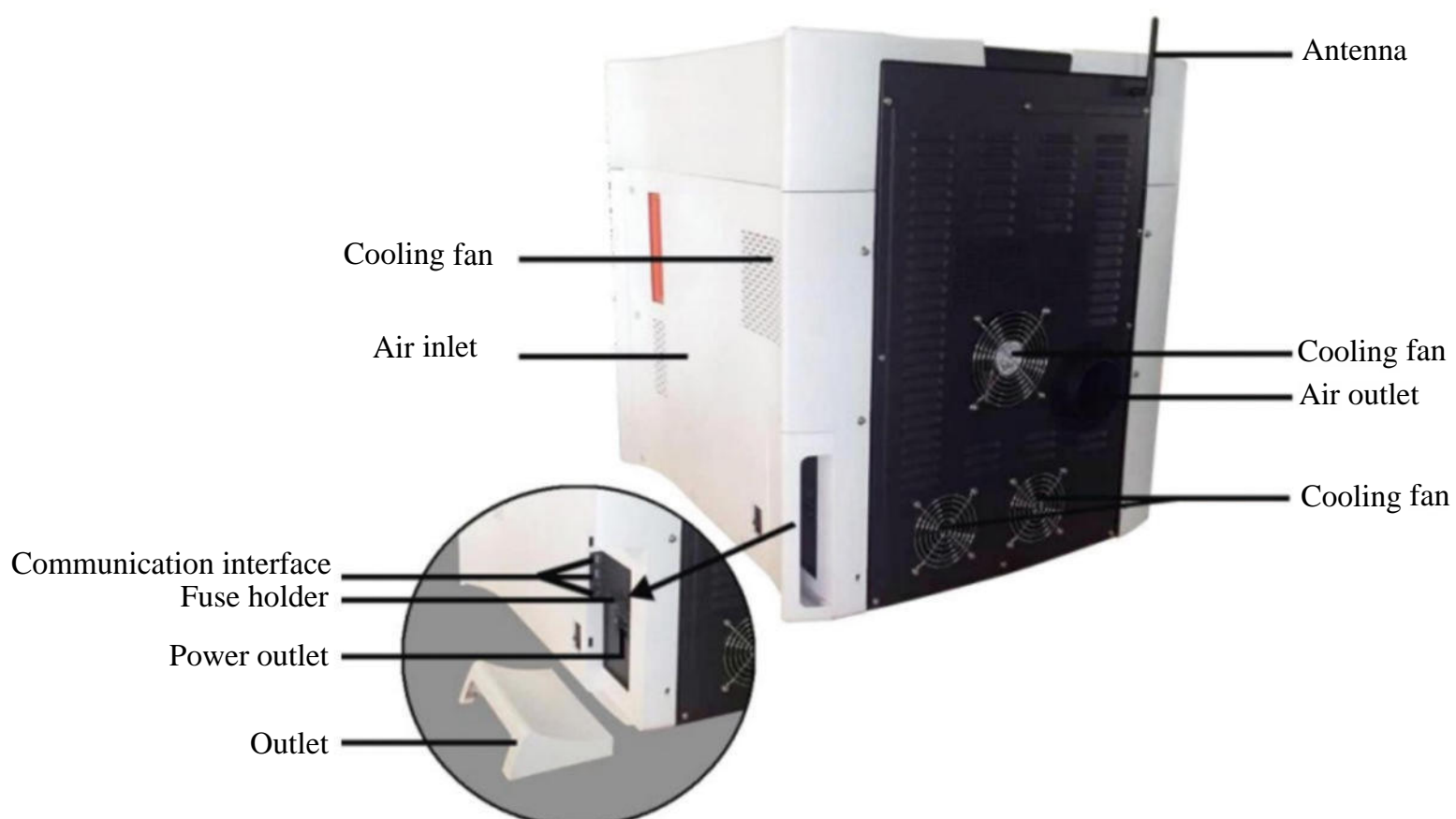
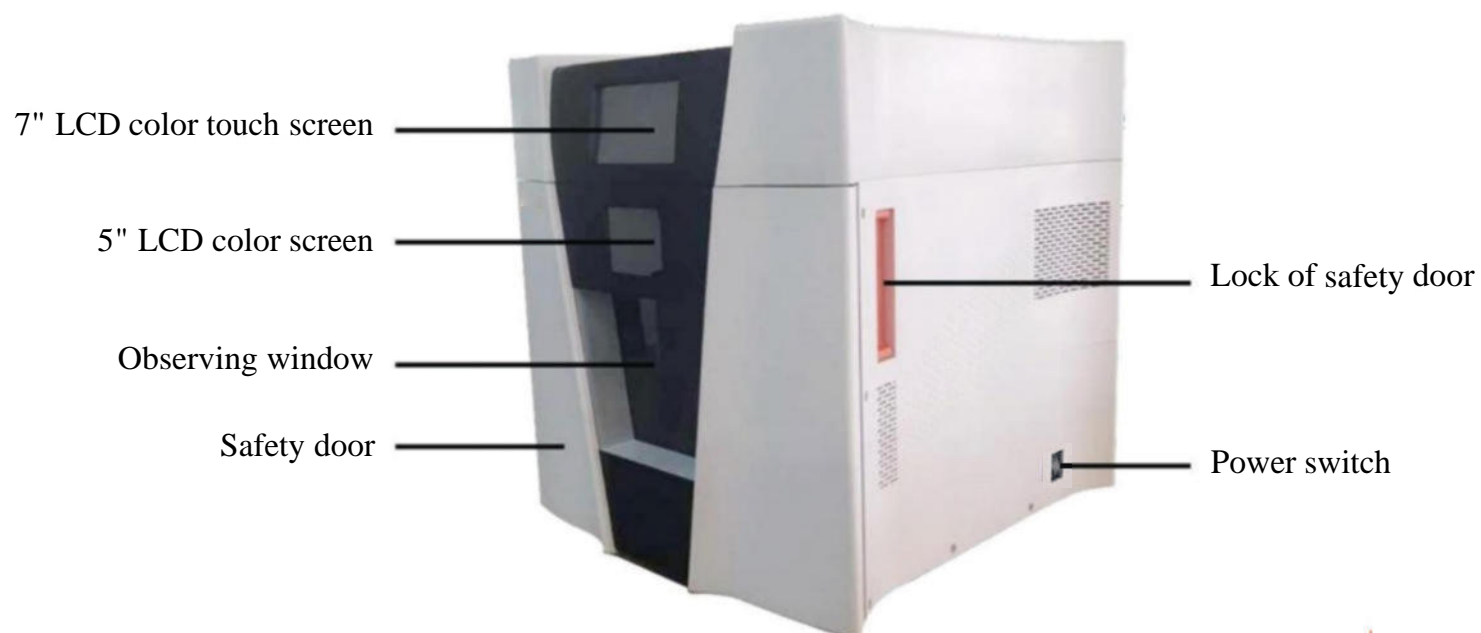


## TANK 40 Microwave Digestion Workstation

### Features:

- Comprehensive safety guarantee, combined with anti-corrosion capability.
- Dual magnetron inverter control system ensures consistent sample digestion.
- Two LCD screen, displaying real-time operation and experiment status.
- Full-vessel pressure control technology.
- Full-vessel precise temperature control and monitoring, ensuring safety and digestion performance.
- Smart software operation, conforming to FDA21CFRPart11.
- Various supporting tools, making experiment easy and convenient.



## Rotor and Vessels:

### ◆ 24-position rotor with 110ml vessels

1. IR sensor and Optical fiber sensor available for temperature monitoring.
2. For extractions and large-volume samples, support 3-3.5Mpa working pressure.



### ◆ 40-position rotor with 55ml vessels

1. Only IR temperature monitoring.
2. For normal samples with 2-2.5Mpa working pressure.



### ◆ 40-position rotor with 70ml vessels

1. Full-vessel IR temperature monitoring & Main vessel Optical fiber sensor temperature monitoring.
2. Suitable to do hard-digestion samples, support 3.5Mpa working pressure.



## Parameters

Power	220~240VAC50/60Hz20A
Working environment temperature	0~40°C
Relative humidity for working environment	15~80%RH
Microwave source	2450MHz; Maximun microwave output power 2000W, emitted from Dual magnetron inverter high-energy microwave field; non-pulse continuous microwave output
Installed power	3800W
Microwave cavity	Grade 316L stainless steel microwave resonant cavity, with a wall thickness of more than 3mm, sprayed with multi-layer PFA coating
Furnace exhaust system	Automatically adjusted air volume; cooling to room temperature in less than 15 minutes
Software system	Android operating system (8G memory), built-in video SOP, application method library, electronic door lock, etc.
Overall physical size/net weight	600x685x660 (W*D*H) /62kg

Batch amount	24 vessels	40 vessels
Inner vessel material	TFM	TFM
Outer vessel material	Aerospace composite fiber	Aerospace composite fiber with TEFLON coating
Inner vessel volume	110mL	55mL/70mL
Maximum temperature	300°C	300°C
Maximum pressure	15Mpa	15Mpa