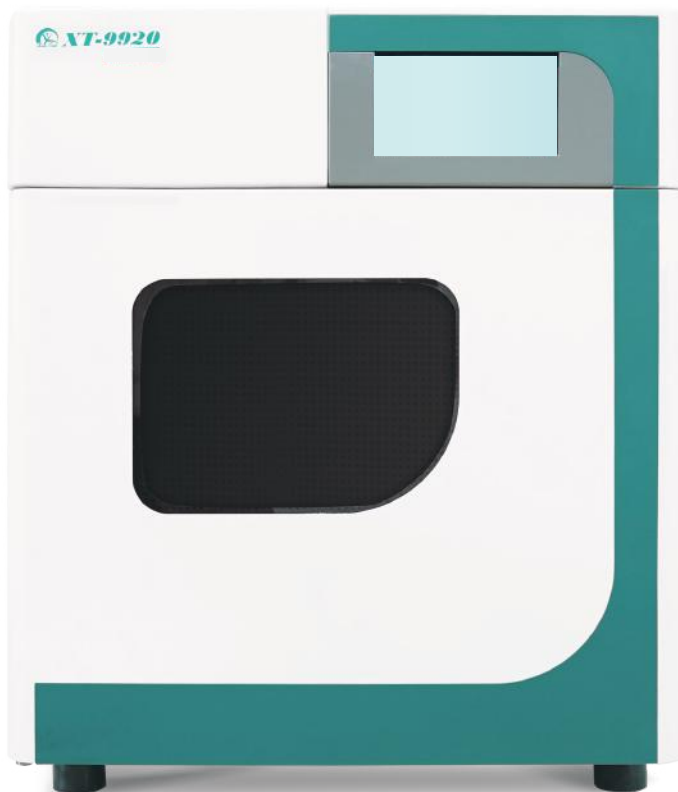


# XT-9920 Microwave Digestion System

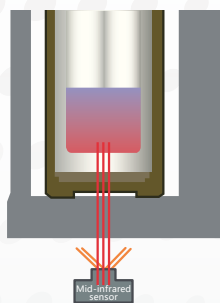


# XT-9920

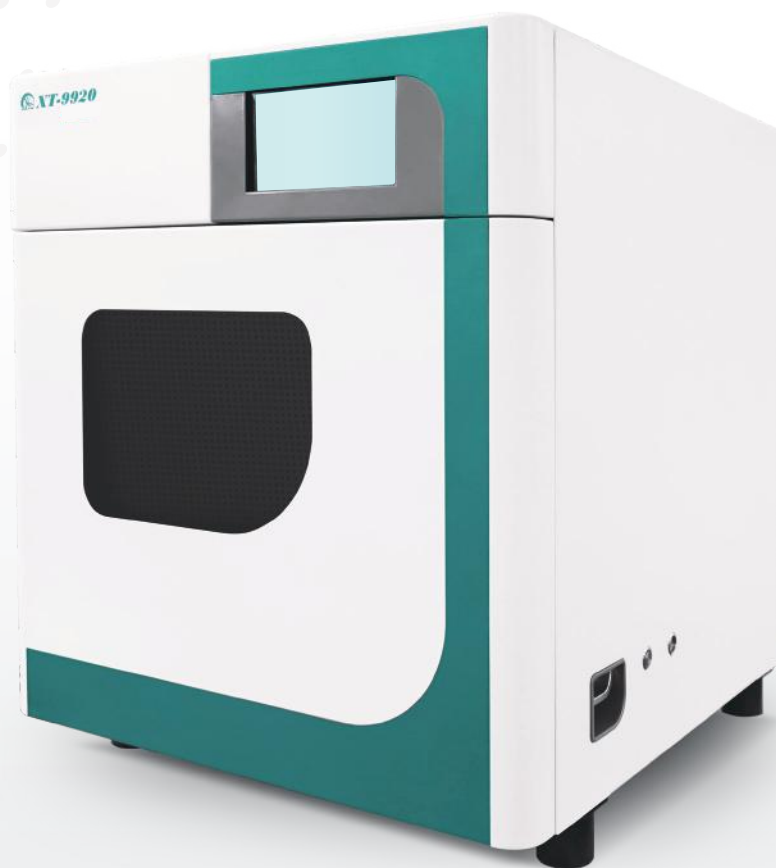
Microwave digestion is a technology that can heat the reagents and samples in the closed container using the penetrability and activation reaction of microwave, which can increase the pressure in the sample preparation container and the reaction temperature. Under microwave and closed high temperature conditions, the samples are rapidly digested. This technology is mainly used for sample pretreatment of AAS, AFS, ICP and ICP-MS.

XTrust XT-9920 Microwave Digestion System is forged on the basis of a decade's experience of mid-infrared temperature control technology in the microwave field, suitable for a variety of applications for laboratories. Its high efficiency and convenience design, and multiple safety measures aim to provide users with more reassuring and safer products.

Full temperature and pressure monitoring  
Flexible configuration for 8 to 24 samples



- Mid-infrared wavelength light capable of penetrating the vessels
- Other wavelengths of light radiated from the surface of vessels



# Closed Microwave Digestion

## Convenient Operation

- Automatic identification of digestion rotors and vessels, as well as sample quantity
- Load or unload samples one by one without the need of moving the rotor

## Pressure Monitoring

- Complete auxiliary tools for extraction operation, no stand fixation or position adjustment needed, ensuring the consistency of each extraction
- Software control, regular and constant temperature reminder, ensuring the consistency of extraction conditions

## Safety Protection

- When the pressure in the cavity is too large, the door will be closed only after the pressure is released appropriately through floating
- Both mechanical and electronic door lock are equipped to give equal consideration to safety and convenience
- High strength safety explosion-proof door, side door loading
- Up to 10 active and passive safety protection functions

## Temperature Monitoring

- Specific intermediate infrared non-contact temperature sensor capable of penetrating TFM material is adopted to scan and monitor the actual temperature of all sample solutions in real time and display the temperature change curve

## Batch processing

- 8, 10 and 12 digits of ultra-high pressure samples can be processed simultaneously, and the volume of high-throughput samples can be as high as 24-digit number
- Square 316L stainless steel furnace chamber, the inner surface is multi-layer PFA corrosion resistant material coated, and the whole furnace chamber is welded by laser, with a volume of 52L

## Smart Control

- Built-in touch screen control, various working parameters and status shown on screen in real time
- Configured with standard RS232 interface, able to connect with PC
- More than 250 digestion method parameters can be writ, modified and stored at any time
- With built-in functions, such as multi-level user interface management, power correction, temperature calibration and history recording

## Application

It is applicable for fields such as food, environmental monitoring, agricultural products, drugs, cosmetics, textiles, geology, metallurgy, plastics, coal, petrochemical, biological medicine and battery manufacturing



Dedicated to be a leading supplier in smart laboratory



RayKol Group

Add: 5-6F, No.176 Xinfeng Road, HuizhiZone, Torch High-tech Zone, Xiamen, China

Tel:+86-592-5800190

Mail: [info@raykolgroup.com](mailto:info@raykolgroup.com)

[www.raykolgroup.com](http://www.raykolgroup.com)