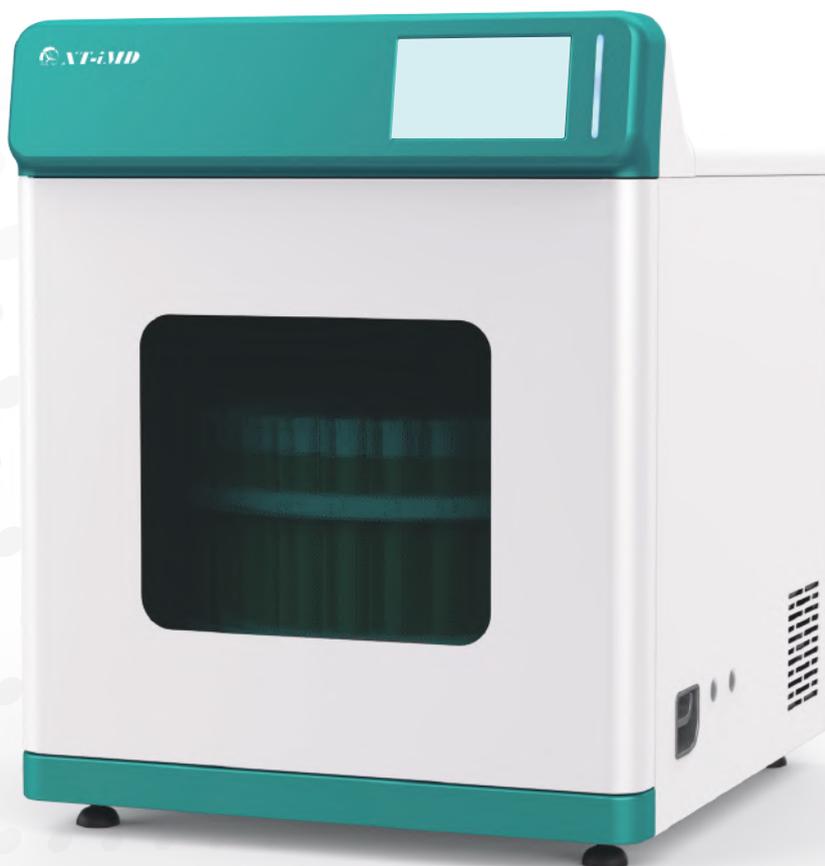


# XT-iMD Microwave Digestion System



Compared with conventional digestion using hot block, microwave digestion, as an efficient sample pretreatment method, has the advantages of fast and uniform heating, less reagent required, low blank, energy saving and high efficiency.

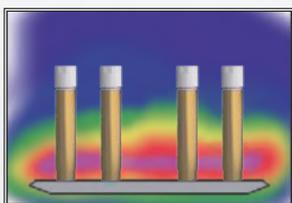
XTrust XT-iMD Microwave Digestion System is forged on the basis of a decade's experience of mid-infrared temperature control technology in the microwave field, widely applicable for laboratories and various conditions. It's characterized by high digestion efficiency, multiple safety protection and wide application range.



## Mid-infrared temperature control Easy for large batch digestion

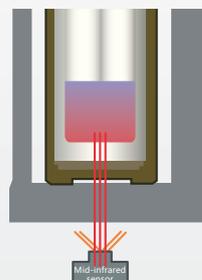
### ✓ Bottom microwave feeding

Enabling the microwave energy received in a more uniform and effective manner by the sample



### ✓ Mid-infrared non-contact temperature sensor

Real time monitoring to the actual temperature of all sample solutions



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

## Microwave Technology Accumulation

- Microwave is fed from the bottom and concentrated in the sample area, which enables more effective use of microwave energy. It is suitable for multi circle sample distribution, with the temperature remains uniform among both inner and outer circles of samples

## Pressure Monitoring

- Use non-contact pressure control system to monitor the real-time pressure of all reaction vessels, and show all pressure change on the unit

## Smart control

- Built-in functions, such as multi-level user interface management, power correction, temperature calibration and history recording
- More than 250 digestion methods can be saved, modified and stored at any time

## 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

## Temperature Monitoring

- Utilize specific mid-infrared non-contact temperature sensor capable of penetrating TFM material to scan and monitor the actual temperature of all sample solutions in real time and display the temperature change curve

## Batch processing

- Able to process 12 and 16 high-pressure samples, 42 high-throughput samples simultaneously

## Safe and Convenient

- High strength safety explosion-proof door, side door opening, as well as floating buffer design
- When the pressure in the cavity is too large, the door will be closed only after the pressure is released appropriately through floating
- Load or unload samples one by one without the need of moving the rotor



Dedicated to be a leading supplier in smart laboratory



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