

# Graphite Digester

## SH520 Graphite Digester

Hanon SH520 Graphite Digester includes globally advanced high-temperature infrared tube radiation heating technology and microprocessor control platform, boasts accurate temperature control and quick temperature rise, has linear and curve two temperature rise modes, offers 20 digestion programs for the control of temperature rise curves. The waste gas recycle system is able to absorb acidic smog and other harmful gases. It has graceful appearance, large LCD screen, diversified user-oriented automatic designs, ensures safe and reliable use, simple operation, ideal for high-temperature digestion.

It's mainly used for the digestion of samples of soil, feeds, plants, seeds and ores prior to chemical analysis in such fields as food, medicine, agriculture, forestry, environmental protection, chemical engineering, ecological industry, as well as universities and scientific research institutes.

### Characteristics:

- ▶ Heating method: Graphite module is infrared heated, offering uniform heating, preventing heat loss to the maximum extent;
- ▶ Smaller average temperature difference inside furnace, consistent sample digestion effect and high heat transfer efficiency;
- ▶ Control method: Intelligent microprocessor offers 20 digestion programs, can set temperature and time gradient;
- ▶ Temperature control method: Program control, curve and linear temperature rises;
- ▶ Displaying system: Large LCD touch screen;
- ▶ Multiple protections against over-voltage, over-current, overheating, and so on;
- ▶ Historic information query function is available;
- ▶ Anti-corrosive technique is used in the whole body;
- ▶ Comfortable and free lifting and over-temperature alarming;
- ▶ Power is adjustable according to the setting method;



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### Technical data:

Temperature range	Room temperature ~480°C
Heating method	Infrared heating and high-purity graphite conduction
Temperature accuracy	±0.5°C (450°C)
Digestion capacity	20 samples can be processed at the same time
Heat insulation material	High-density aluminum silicate
Power supply	220V, 50Hz
Power	3.6KW
Size	534mm×540mm×470mm