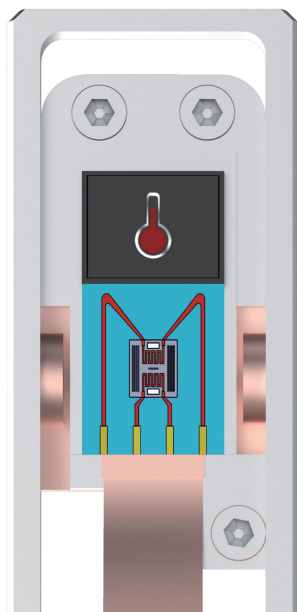




In-situ Atomic-scale Heating System



INSTEMS - T Heating

Double-tilt

- α tilting up to $\pm 25^\circ$ *
- β tilting up to $\pm 20^\circ$ *

Stable atomic-scale imaging

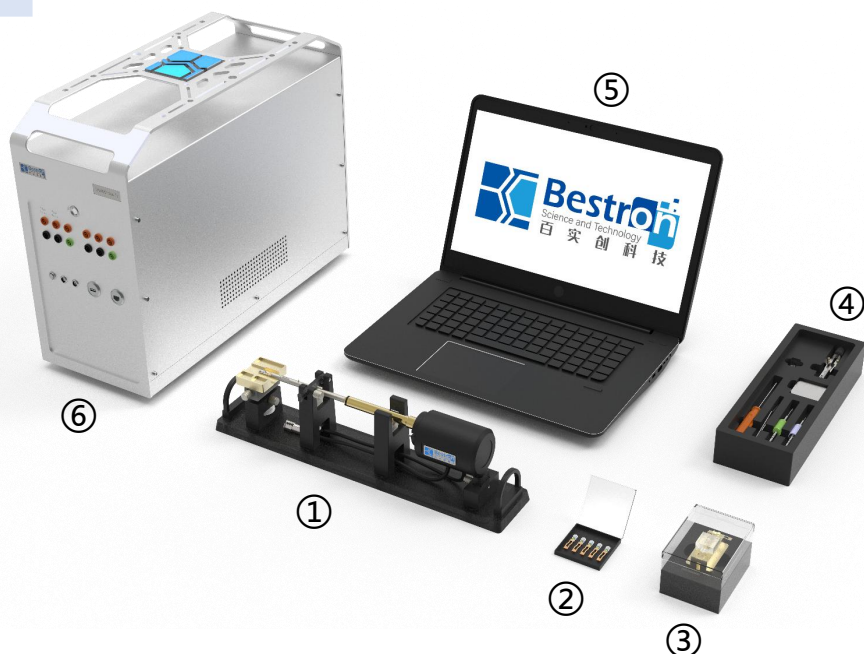
- Spatial resolution $\leq 0.1 \text{ nm}^*$

Unprecedented heating ability

- Ultra wide temperature range (RT-1200°C *)
- Ultra high heating precision ($\pm 0.1^\circ\text{C}$ *)
- Multiple Programmable heating
- Four-probe measurement

COMPONENTS

- ① Double-tilt holder
- ② Mini Labs
- ③ Mini Lab Transfer box
- ④ Tool kit
- ⑤ PC, Software
- ⑥ Control Unit



Note: The specifications listed in * depend on the TEM and the type of Mini lab.

SPECIFICATIONS

Heating	Temperature range	RT -1200°C *
	Heating precision	±0.1°C *
	Temperature measurement	Four-electrode method
	EDS	√
Double-tilt	Alpha (α)	± 25° *
	Beta (β) tilt	± 20° *
	Accuracy	< 0.1°
Imaging	Spatial resolution	≤ 0.1 nm *

ABOUT US

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