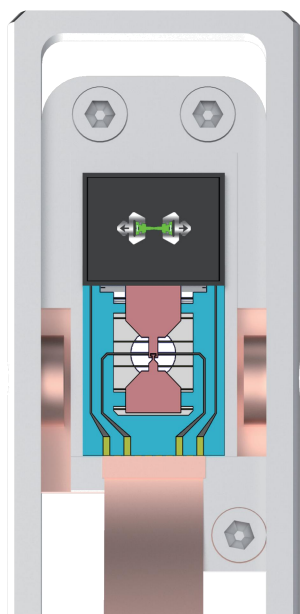


In-situ Atomic-scale Straining System



INSTEMS - M Straining

Double-tilt

- α tilting up to $\pm 20^\circ$ *
- β tilting up to $\pm 10^\circ$ *

Stable atomic-scale imaging

- Ultimate sample drift < 50 pm/s
- Spatial resolution ≤ 0.1 nm*

Multiple mechanical loading conditions

- Tension/Compression, etc.
- Auto, manual, cyclic loading
- pm-level driving control

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

Straining	Actuation accuracy	< 500 pm
	Max force	> 2 mN
	Max displacement	2 μ m
Double-tilt	Alpha (α) tilt	$\pm 20^\circ$ *
	Beta (β) tilt	$\pm 10^\circ$ *
	Accuracy	< 0.1°
Imaging	Spatial resolution	≤ 0.1 nm *

ABOUT US

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