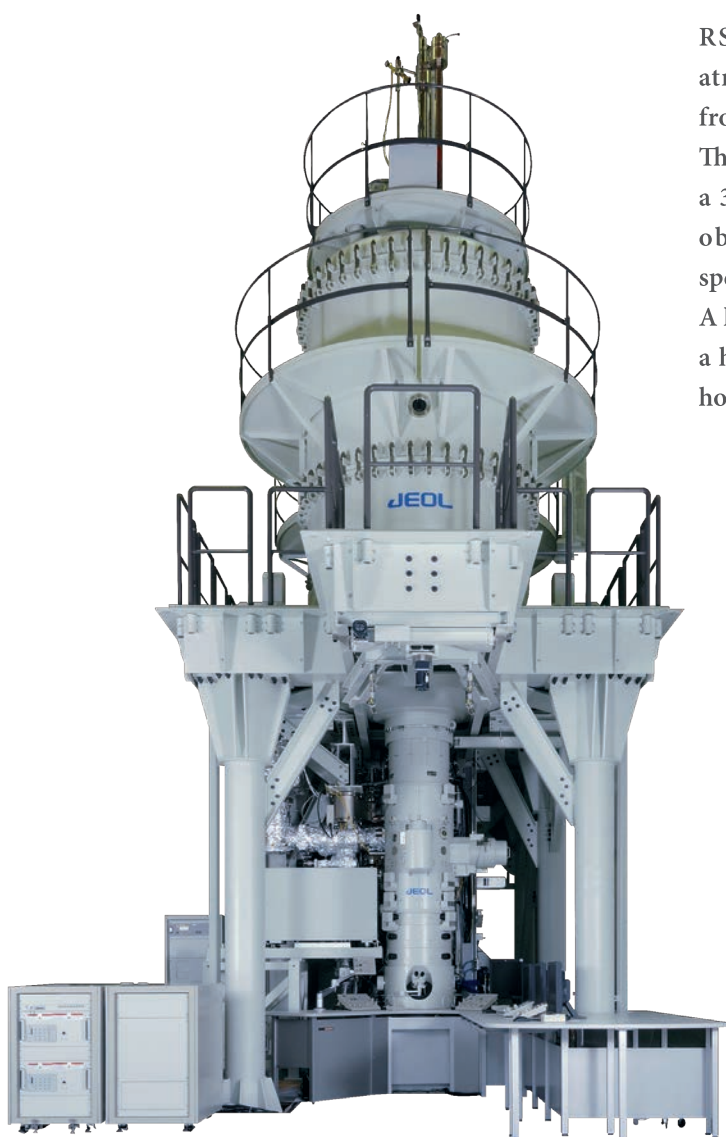


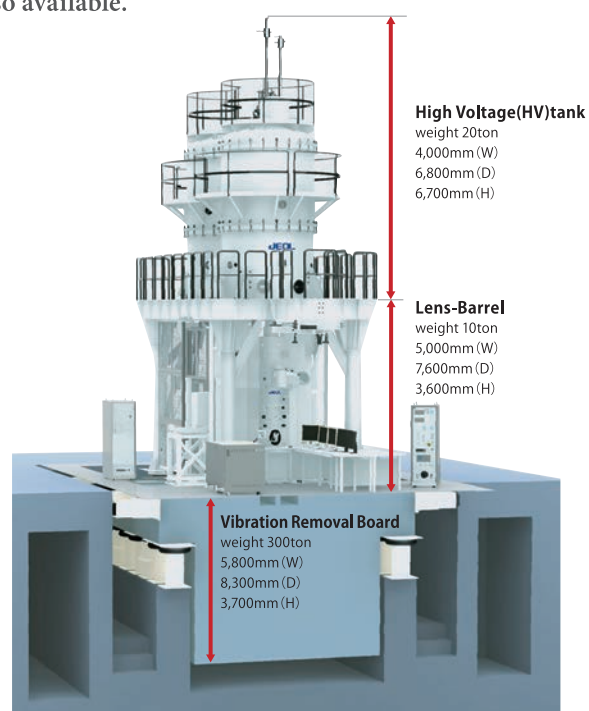
Reaction science high voltage scanning transmission electron microscope JEM-1000K RS



RS-HVEM allows in-situ observation and EELS in a gas atmosphere (N_2 , O_2 , H_2 , $CO+air$, etc.), with a pressure range from 1×10^{-5} to 1.3×10^4 Pa.

The holder inclinable up to $\pm 70^\circ$ in a vacuum and a 360° rotational holder for HVSTEM are effective for 3D observations of thicker biological and non-biological specimens.

A liquid He holder, a double-tilt heating holder, a high-temperature heating holder and a nano-indentation holder are also available.



Main equipment performance

3D observation of thick samples	3D Observation Equipment	Element Mapping	Elemental Analysis - Analysis Device
Observation in gas environment	Multi-functional gas environment sample room	3D observation of thick samples	3D Observation Equipment
Simultaneous elemental analysis and structural analysis	Elemental Analysis, STEM	Strain analysis of semiconductor devices	3-stage focusing lens
Fusion with chemistry	Elemental Analysis, EELS	Simultaneous measurement of physical properties and molecular level structure	STEM, EELS