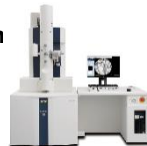


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HF5000, HD-2700, HT7800, HT7820, HT7830

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Model	Field Emission Transmission Electron Microscope HF5000 	Spherical Aberration Corrected STEM/SEM HD-2700 with Cs corrector 	Field Emission STEM/SEM HD-2700 	Transmission Electron Microscope HT7800  With option	Transmission Electron Microscope HT7830  With option
Electron source	W(310) cold field emission electron source	Cold field emitter	Cold field emitter Schottky emitter	Tungsten filament LaB ₆ filament*	LaB ₆ filament Tungsten filament*
Accelerating voltage	200 kV, 60 kV*	200 kV, 120 kV*, 80 kV*	200 kV, 120 kV*, 80 kV*	120 kV – 20 kV	
Resolution	ADF-STEM image 0.078 nm lattice image 0.102 nm	HAADF-STEM 0.136 nm FFT 0.105 nm	0.204 nm	Lattice 0.20 nm (Off-axis, 100 kV)	Lattice 0.19 nm (On-axis, 120 kV)
Magnification	STEM ×20 – ×8,000,000 TEM ×100 – ×1,500,000	×100 – ×10,000,000		×600,000	×1,000,000
Specimen tilt angle	$\alpha = \pm 25^\circ$, $\beta = \pm 35^\circ$ (Hitachi double-tilt specimen holder*)	$\pm 18^\circ$ (HR lens)	$\pm 30^\circ$ (Std. lens)	$\pm 70^\circ$	$\pm 10^\circ$

*option