

LIBRA® 120 PLUS Basic Specifications

Resolution

Point - Point: 0.34 nm
Information Limit: <0.20 nm
STEM: <1.50 nm

Acceleration Voltage

40 - 120 kV in 20 kV steps

Magnification

TEM: 8 - 630,000x
STEM: 50 - 1,000,000x
EELS: 20 - 315x

Spectrometer

Lifetime factory aligned In-column OMEGA type

Dispersion: 1.17 $\mu\text{m}/\text{eV}$ @ 120 kV
Energy resolution: <1.5 eV
Distortion: < $\pm 1.0\%$
Acceptance angle: 80 mrad at $\text{DE} = \pm 6\text{eV}$
Isochromaticity: <1.0 eV in 2.5 cm at final image plane

Illumination System

Highly flexible advanced Koehler illumination system