JEM-2100Plus has been released with further upgraded ease of use.

Advanced, intuitive control software “TEM Center”
Overview

The JEM-2100Plus is a multi-purpose transmission electron microscope, which combines the proven JEM-2100 optical system with an advanced control system for enhanced ease of operation. The JEM-2100Plus provides solutions to a wide range of applications from materials science to medical/biological studies.

Main Features

- 64 bit Windows® compatible control software, TEM Center, is an intuitive user interface designed to maximize ease of operation.
- The TEM Center allows the user to control optional accessories such as a high resolution camera and a scanning image (BF/DF) observation device through intuitive user-system interaction.
- The JEM-2100Plus comes with automated functions, including auto focus, auto contrast/brightness, auto exposure, auto montage, drift compensation, and stage navigation.
- Viewer software supports off-line image viewing and editing.

Installation Room Requirements

Room temperature: 20 ± 5 °C  
(fluctuations: 1 °C / h or less)
Humidity: 60 % or less
Power: 200 V AC, 10 kVA  
(fluctuations: ±10 % or less)
One grounding terminal: 100 Ω or less
Cooling water:
  Flow rate: 7.5 L / min
  Pressure: 0.2 to 0.3 MPa
  Temperature: 15 to 20 °C
  Temperature fluctuations: 0.1 °C / h or less
Dry nitrogen gas
  Pressure: 0.01 to 0.02 MPaGauge
Hose joint: ISO 7/1 Rc 1/4

Installation Room Example

*Specifications subject to change without notice.