

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 17, 2026

## Hitachi: HT7700 Transmission Electron Microscope

RRID:SCR\_020022

Type: Tool

### Proper Citation

Hitachi: HT7700 Transmission Electron Microscope (RRID:SCR\_020022)

### Resource Information

**URL:** [https://www.hitachi-hightech.com/file/us/pdf/library/literature/HT7710\\_datasheet.pdf](https://www.hitachi-hightech.com/file/us/pdf/library/literature/HT7710_datasheet.pdf)

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**Description:** HT7700 Transmission Electron Microscope with Dual-Mode objective lens features superior high-contrast and high-resolution performance together with analytical capabilities for biological and materials science. Digital design and sophisticated automation increase throughput for both novice and advanced users. Maximize contrast by lowering the high voltage through the 120-40 kV range and continue operation seamlessly. Configure the HT7700 to meet all of your advanced sample analysis needs, with customization options for BF-/DF-STEM, EDX, in-situ, cryo-microscopy, and electron tomography.

**Resource Type:** instrument resource

**Keywords:** Hitachi, Transmission Electron Microscope, Instrument Equipment, USEDit

**Availability:** Commercially available

**Resource Name:** Hitachi: HT7700 Transmission Electron Microscope

**Resource ID:** SCR\_020022

**Alternate IDs:** Model\_Number\_HT7700

**Alternate URLs:** [https://www.hitachi-hightech.com/global/product\\_detail/?pn=em-ht7700](https://www.hitachi-hightech.com/global/product_detail/?pn=em-ht7700)

**Record Creation Time:** 20220129T080348+0000

**Record Last Update:** 20260912T195927+0000

### Ratings and Alerts

No rating or validation information has been found for Hitachi: HT7700 Transmission Electron Microscope.

No alerts have been found for Hitachi: HT7700 Transmission Electron Microscope.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Fang Y, et al. (2026) Spinal cord injury-derived exosomes exacerbate damage: miR-155-5p mediates inflammatory responses. Neural regeneration research, 21(6), 2514.

Wang S, et al. (2025) IL-33 secreted from astrocytes alleviates cognitive impairment associated with neuropathic pain via oxidative stress in mice. Journal of neurophysiology, 133(6), 1919.

Medina-Puche L, et al. (2020) A Defense Pathway Linking Plasma Membrane and Chloroplasts and Co-opted by Pathogens. Cell, 182(5), 1109.