

# System Requirements

## MetroLER Standalone and Client versions

April, 2024

### System Requirements:

- Operating System:  
Windows 10 version 1703 or later (released on April 11, 2017)  
**OR**  
Windows Server 2016 version 1607 or later (released on October 15, 2016)  
**OR**  
Windows 11
- Standalone version: Physical machine running on a PC (no virtual machines or cloud-based systems)
- Client version: Physical machine or virtual machine running on a PC (no cloud-based systems)
- .NET Framework version 4.8 or later (released on May 10, 2019)
- CPU: 64-bit Intel or equivalent processor
- Graphics: Minimum: 1250x830 pixels (at least 1280x900 recommended) for a 96 PPI monitor
- RAM: 8 GB minimum (at least 16GB recommended; 32GB or more for large batch runs)
- Disk space: 100 GB minimum (>500GB recommended)

Note: the largest batch job that can be run is limited by the amount of memory on the computer

Note: Processing speed of batch runs increases with number of processor cores

### BKM configuration for maximum processing speed:

- For jobs with many SEM images, maximize number of processing cores (at least 8 physical cores recommended)
- RAM: see chart below

### **Largest Dense Line/Space Jobs Possible as a Function of System Memory (Approximate):**

Image Size	Machine with 32GB	Machine with 64 GB	Machine with 128 GB
2048x2048	4,500 images	10,000 images	21,000 images
4096x4096	950 images	2,200 images	4,500 images
8192x8192	200 images	450 images	950 images

### **Largest Dense Contact Hole Jobs Possible as a Function of System Memory (Approximate):**

Image Size	Machine with 32GB	Machine with 64 GB	Machine with 128 GB
2048x2048	4,000 images	9,000 images	19,000 images
4096x4096	900 images	2,000 images	4,200 images
8192x8192	200 images	420 images	880 images