



## MTube System Requirements

This document lists the system requirements for **MTube** versions 20 and higher. Before installing **MTube** on a workstation make sure it conforms to these requirements.

### Operating System

Requirement	Minimum	Recommended
Microsoft® Windows® edition "Home" editions are <b>not supported</b>	Windows® 10 64bit	Windows® 10 Pro 64bit

### Hardware

Requirement	Minimum	Recommended
Processor (CPU) Type Apple Mac® machines are <b>not supported</b>	64-bit Intel® or AMD® 2GHz	Intel® Xeon® E3 or Core i7, 3GHz or faster
Memory (RAM)	8 GB	16 GB
Hard disk (available space)	100 GB	250 GB
Optical disk reader	DVD reader	DVD reader
Mouse or other pointing device	Two-button + roller mouse	Two-button + roller mouse
Monitor resolution	1280 x 1024	1920 x 1080
Graphics processing unit	Microsoft® Direct3D 10® capable graphic card	Microsoft® Direct3D 11® capable graphic card
USB port for HASP key (dongle)	Port on motherboard	Port on motherboard
For DNC communication	COM port (RS-232) (one port per machine)	COM port (RS-232) (one port per machine)
For network communication	Ethernet port	Ethernet port

### Software

Functionality	Requirement
<b>Required</b> – Microsoft .NET Framework	4.5
<b>Required</b>	<ul style="list-style-type: none"><li>• Microsoft Windows networking</li><li>• Installed Windows edition: Pro \ Business \ Ultimate</li><li>• Microsoft Internet Explorer® 8 or higher</li></ul>
<b>Required</b> – 64 bit Microsoft® Office	Full 64 bit Microsoft® Office 2013 including Word, Excel, and Access <b>Non-Microsoft® Office packets are not supported</b>
<b>Required</b>	Adobe® Flash® Player 15



Complex models and large assemblies of more than 1000 parts have the following requirements.

## Operating System

Requirement	Recommended
Microsoft® Windows® edition "Home" editions are <b>not supported</b>	Windows® 10 Pro 64bit

## Hardware

Requirement	Recommended
Processor (CPU) Type Apple Mac® machines are <b>not supported</b>	Intel® Xeon® E3 or Core i7, 3.30GHz or faster
Memory (RAM)	20 GB
Hard disk (available space)	500 GB
Optical disk reader	DVD reader
Mouse or other pointing device	Two-button + roller mouse
Monitor resolution	1280 x 1024 or higher
Graphics processing unit	Microsoft® Direct3D 11® capable graphic card or higher
USB port for HASP key (dongle)	Port on motherboard
For DNC communication	COM port (RS-232) (one port per machine)
For network communication	Ethernet port

## Software

Functionality	Requirement
<b>Required</b> – Microsoft .NET Framework	4.5
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<b>Required</b> – 64 bit Microsoft® Office	Full 64 bit Microsoft® Office 2013 including Word, Excel, and Access Non-Microsoft® Office packets are <b>not supported</b>
<b>Required</b>	Adobe® Flash® Player 15