

## System Requirements Metrossoft QUARTIS® R7

For the operation of Metrossoft QUARTIS R7 the following computer hardware is required:

- **Recommended:** for optimized operation and for new computers
- **Minimal:** only for existing computer hardware

PC hardware containing components of a lower specification than these requirements, or deviating in any other way should only be used after consultation with WENZEL Metromec.

	<b>Minimal:</b> → <u>only</u> for existing computer hardware	<b>Recommended</b> → for optimized operation and new PCs
Operating system	Microsoft Windows XP Professional → <u>only</u> partially supported, see notes further down	Microsoft Windows 7 Professional
Processor	Intel Core 2 Duo processor	Intel processor Core i7 or Core i5
Main memory	2 GB RAM	4 GB RAM (x86) / 8 GB RAM (x64)
Graphics card	PCI or AGP card ≥ 256 MB RAM  Recommended: NVIDIA GeForce Series Not recommended: all ATI / AMD cards	Standard graphics card ≥ 1 GB RAM (2 x DVI or 2 x HDMI)  Recommended: NVIDIA GeForce Series Not recommended: all ATI / AMD cards
Screen	At least 17" screen Resolution 1280 x 960 or higher (1024 x 768 is the absolute technical minimum)	≥ 22" TFT 16:9 wide screen Resolution 1920 x 1080 (Full HD)
Hard disks	80 GB / IDE or SATA	≥ 160 GB / SATA or SATA II
Pointing device	Wheel-Mouse	Wheel-Mouse and 3D Mouse
CD/DVD drive	CD or DVD drive (ROM or RW)	
Interfaces	4 – 6 USB 2.0 / 3.0 Ports, LAN	
Card slots	1 x PCI Express x 16 / 2 x PCI Slots	
Serial multiple inter- face card	A serial multiple interface card (RS-232) is possibly required for the communication with the machine (CNC controller, PH10, stylus changing system and so forth). Therefore a slot on the motherboard has to be free.  Recommended: MOXA 4-port RS-232 PCI or PCI Express card. This card is available from WENZEL Metromec with drivers for all operating systems.	
Printer	Basically every printer supported by Microsoft Windows can be used.  Recommended: Color laser printer or any powerful printer with sufficient internal memory.	
Data backup	We recommend for the data backup an external device like Streamer, CD/DVD-RW Drive, Flash Drive, external hard drive, etc.	

## Supported Microsoft Windows operating systems

	Win 7 (x86 / x64)	Vista (x86 / x64)	XP
Metrosoft QUARTIS R1, R2, R3	✓	✓	✓
Metrosoft QUARTIS R4, R5, R6, R7	✓	✓	(✗ ✓)

### Windows 7 (SP1)

In order to operate Metrosoft QUARTIS one of the following version is required:

- Windows 7 Enterprise
- Windows 7 Professional
- Windows 7 Ultimate
- Windows 7 Home Premium

To ensure that the 3D graphics in Metrosoft QUARTIS works properly, the Aero Glass mode has to be disabled. Further the graphics card driver has to be optimized for Windows 7 and OpenGL.  
The "Windows – classic" theme cannot be used.

### Windows Vista (SP2)

In order to operate Metrosoft QUARTIS one of the following version is required:

- Windows Vista Enterprise
- Windows Vista Business
- Windows Vista Ultimate
- Windows Vista Home Premium

To ensure that the 3D graphics in Metrosoft QUARTIS works properly, the Aero Glass mode has to be disabled. Further the graphics card driver has to be optimized for Windows Vista and OpenGL.  
The "Windows – classic" theme cannot be used.

### 64-Bit versions of Windows 7 and Windows Vista (x64)

In order to execute 32-bit programs without modification, 64-bit versions of Microsoft Windows use the subsystem "Microsoft Windows-32-on-Windows-64" (WOW64).

Therefore Metrosoft QUARTIS can be installed and used on Windows 7 x64 and Windows Vista x64.  
The limit for maximal useable random access memory remains 4 GB RAM.

### Windows XP (SP3) → only partially supported (✗ ✓)

The modern control elements of Metrosoft QUARTIS are partially not displayed optimal on Windows XP. Other problems can also occur. Therefore Windows XP is only partially supported (✓).

→ Windows XP will not be supported anymore from Metrosoft QUARTIS R8 on.

The "Windows – classic" theme cannot be used.

The "Professional Edition" of Windows XP is recommended for the use with Metrosoft QUARTIS.

When operating Metrosoft QUARTIS, either the local group power user is required or the administrator must define specific access authorization.