System Requirements Metrosoft QUARTIS® R10

For the operation of Metrosoft QUARTIS R10 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.

	Minimal: → only for existing computer hardware	**Recommended** → for optimized operation and new PCs
Operating system	Microsoft Windows 7	Microsoft Windows 7 (x64) Professional
Processor	Intel Core 2 Duo processor	Intel processor Core i7 or Core i5
Main memory	4 GB RAM (x86) / 8 GB RAM (x64)	16 GB RAM (x64)
Graphics card	PCI or AGP card >= 256 MB RAM Recommended: NVIDIA GeForce Series Not recommended: all ATI / AMD cards as well as NVIDIA Optimus Technology	Standard graphics card >= 1 GB RAM (2 x DVI or 2 x HDMI) Recommended: NVIDIA GeForce Series Not recommended: all ATI / AMD cards as well as NVIDIA Optimus Technology
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	120 GB / IDE or SATA	>=160 GB / SATA or SATA III
Pointing device	Wheel-Mouse	Wheel-Mouse and 3D Mouse
CD/DVD drive	CD or DVD drive (ROM or RW)	
Interfaces	4 USB Ports / 1 – 2 LAN network adapter (WPC2040 controller requires 1 LAN)	
Card slots	1 x PCI Express x 16 / 2 x PCI Slots	
Serial multiple interface 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

Overview

	XP (x86)	Vista (x64 / x86)	Win 7 (x64 / x86)	Win 8 (x64 / x86)
Metrosoft QUARTIS R1, R2, R3	✔	✔	✔	✘
Metrosoft QUARTIS R4, R5, R6, R7	(✔)	✔	✔	✘
Metrosoft QUARTIS R8, R9, R10	✘	✔	✔	(✘)

Microsoft operating systems have to be up to date before installing Metrosoft QUARTIS. The current service pack and all available updates have to be installed.

Detail information

Windows XP (SP3) → not supported anymore
The modern control elements of Metrosoft QUARTIS are partially not displayed optimal on Windows XP. Other problems can also occur with the outdated operating system.
Therefore Windows XP was only partially supported from Metrosoft QUARTIS R4 to R7 (✔).
From Metrosoft QUARTIS R8 on, Windows XP will not be supported anymore (✘). An installation under Windows XP is no longer possible from Metrosoft QUARTIS R9 on. The Windows XP 64 bit version has never been supported.

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.

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.

64-Bit versions of Windows 7 and Windows Vista
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 8 and Windows 8.1 → not supported yet
In order for the 3D graphics contained in Metrosoft QUARTIS to work optimally, the Aero Glass mode has to be deactivated. As this is not possible anymore in Windows 8 an 8.1, this operating system is not yet supported (✱) by Metrosoft QUARTIS R10.