

## System Requirements Microsoft QUARTIS® R6

For the operation of Microsoft QUARTIS R6 the following computer hardware is required:

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

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 requirement	Recommended
Operating system	Microsoft Windows XP Professional	Microsoft Windows 7 Professional
Processor	Intel Pentium 4 $\geq$ 2.0 GHz	Intel processor Core i7, Core i5 or Core 2 Duo
Main memory	1 GB RAM	4 GB RAM (x86) / 8 GB RAM (x64)
Graphics card	PCI or AGP card $\geq$ 256 MB RAM  Recommended: NVIDIA GeForce Series Not recommended: all ATI graphics cards	Standard graphics card $\geq$ 1 GB RAM (2 x DVI or 2 x HDMI)  Recommended: NVIDIA GeForce Series Not recommended: all ATI graphics cards
Screen	At least 17" screen Resolution 1280 x 960 or higher (1024 x 768 is the absolute technical minimum)	$\geq$ 22" TFT 16:9 wide screen Resolution 1920 x 1080 (Full HD)
Hard disks	80 GB / IDE or SATA	$\geq$ 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 interface card	A serial multiple interface card (RS-232) is 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

	NT 4.0	2000	XP	Vista (x86 / x64)	Win 7 (x86 / x64)
Metrosoft QUARTIS R1	x	x	✓	✓	✓
Metrosoft QUARTIS R2	x	x	✓	✓	✓
Metrosoft QUARTIS R3	x	x	✓	✓	✓
Metrosoft QUARTIS R4	x	x	(✓)	✓	✓
Metrosoft QUARTIS R5	x	x	(✓)	✓	✓
Metrosoft QUARTIS R6	x	x	(✓)	✓	✓

### 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

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)**

The modern control elements of Metrossoft QUARTIS are partially not displayed optimal on Windows XP.

Therefore Windows XP is only partially supported (✓).

The "Windows – classic" theme cannot be used.

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

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