



materialise

innovators you can count on

Materialise Magics

27.02 – Release Notes

September 2023



Contents

1	What's new in Magics 27.02	3
1.1	MatConvert 10.6 integration.....	3
1.2	Other changes	3
2	Bugfixes	3
3	Known issues	3
4	Compatibility	4
4.1	Bundled components	4
4.2	Compatibility with other Materialise product releases (**).....	4
4.3	Compatibility with other CAD packages	5
5	System Requirements	6
6	Contact Information	7

This document lists the main changes and fixes compared to the Magics 27.0 release.

1 What's new in Magics 27.02

1.1 MatConvert 10.6 integration

Magics 27.02 is bundled with MatConvert 10.6(*), bringing the latest version of our CAD import formats to Magics. Details can be found under '4.3 Compatibility with other CAD packages'.

* A new keyfile might be needed to be able to run MatConvert 10.6

1.2 Other changes

- 'Autocolor', 'Paint Part' and 'Triangle Colors' commands are enabled in the Home ribbon of platform scene layout.
- Added support for reading ASCII *.cli files

2 Bugfixes

- Props are no longer generated wrongly when connected to other props.
- The issue of not being able to preview or generate props in specific cases is fixed.
- Ability to translate label tags when holding Shift key is restored.
- Responsiveness of label tags placement is improved compared to Magics 27.0
- Streamics integration: correctly support unique physical part IDs
- Fixed bug: "Configure Printer" command shows an error if the computer's username contains non-ASCII characters
- Support generation profiles are saved correctly for the local BP machine.
- Selection of multiple e-Stage points works correctly.
- Import STEP – resolved the issue of missing / untrimmed faces in rare cases.

3 Known issues

All the known issues mentioned in Release notes for Magics 27.0 and 27.01 remain valid for Magics 27.02 besides the ones related to above changes.

Additional known issues:

- When running on a computer with Windows 11, the Windows version in the About window will be incorrect
- SCDB output (.ctr file) has incorrect values in Magics 27 for "Area Min/Max".

4 Compatibility

4.1 Bundled components

Product	Versions
Magics	27.0.2.14
MatConvert	10.6.0.11
Build Process System	3.3.1 (*)
MatLicensing	7.4.4.0

4.2 Compatibility with other Materialise product releases (**)

Product	Versions
Streamics	8.3
Robot	8.3
3-matic	17.0
Simulation module	3.0.3
e-Stage	7.3
MatConvert	10.4
Build Processor System	3.3.1 (*)
CO-AM	release 100
CO-AM Machine Manager	1.1.69

For compatibility with specific Build Processors, please refer to the release notes of BPS and/or the specific Build Processor.

* Magics is fully compatible with older versions of the Build Process System (BPS) as well. The bundled BPS will only be installed in case the current BPS is not compatible with Magics 27 (BPS version lower than 1.7.16)

** Compatibility with newer versions of these products is expected unless explicitly mentioned in the respective release notes, and is nevertheless limited to existing functionality only. Any new functionality in these products cannot be guaranteed to be compatible with Magics 27.

4.3 Compatibility with other CAD packages

Magics 27.02 comes with MatConvert 10.6, which supports the below CAD formats. The **bold formats** have been updated compared to MatConvert 10.5 (which was bundled with Magics 27.01).

MatConvert is being released on a quarterly base, to ensure compatibility with the latest CAD formats, and can be downloaded and installed separately.

Please note that the 'all imports' license is needed for all these CAD formats, except for importing STEP files.

<i>Via 'Magics RP' base license</i>		
STEP	*.stp, *.step	AP203 (E1, E2), AP214 (up to E3), AP242 (E1,E2, E3)
VRML	*.wrl, *.vrmf, *.x3dv	1.0 and VRML 97, X3D 3.3
<i>Via 'all imports' module</i>		
IGES	*.igs, *.iges	Version 5.3
ACIS SAT	*.sat	Up to 2023 1.0
JT	*.jt	6.4 to 10.7
Rhino	*.3dm	Rhino 7.11
CATIA 5	*.CATPart, *.CATProduct	R10 to V5-6R2023 (R33)
CATIA 6	*.3dxml	R2010x to R2023x
Pro/Engineer	*.prt, *.asm	2000i to Creo 10.0
Siemens NX	*.prt	15 to NX 2212 Series (until 2212.7000)
Parasolid	*.x_t, *.x_b	V7 to V35.1
SketchUp	*.skp	SketchUp 2023
Autodesk Inventor	*.ipt	9 to 2024
Revit	*.rvt	2011 to 2024
Solidworks	*.sldprt, *.sldasm	2006 to 2023
Solid Edge	*.par	10 to 2023

5 System Requirements

Hardware*	Software
<p>CPU</p> <ul style="list-style-type: none"> Intel Core i7 AMD Phenom II X4/ X6 at 3.0 GHz or higher with SSE2 technology 	<p>Materialise Magics 27 is only supported on Windows 64-bit**:</p> <ul style="list-style-type: none"> Windows 11 Windows 10 version 21H1 or later
<p>Memory</p> <ul style="list-style-type: none"> 16 GB RAM or higher 	<p>Materialise Magics 27 is recommended on:</p> <ul style="list-style-type: none"> Windows Pro edition Windows Enterprise edition
<p>Free Disk Space</p> <ul style="list-style-type: none"> Win 64-bit system 2GB of free disk space 	<p>Materialise Magics 27 is not supported on:</p> <ul style="list-style-type: none"> Windows 8.1 or earlier Windows Server Editions Virtualization systems such as VMWare
<p>Display</p> <ul style="list-style-type: none"> 1920 x 1080 resolution or higher 32-bit color depth (True color) 4K monitors are not actively supported 	<p>Materialise Magics does not run natively on Mac OS X, Linux, or any other operating system not listed above.</p>
<p>Video Card</p> <ul style="list-style-type: none"> NVIDIA GeForce GTX 1060' or AMD Radeon RX 480 or better DirectX 11 compatible video card At least 4 GB of memory At least a memory interface width of 192-bit (256-bit is recommended) 	<p>.NET 4.6 or later or a working internet connection during the installation is required.</p>

* These hardware requirements are considered minimal for professional usage, but depending on the expected use cases (mainly influenced by project size, amount of triangles and number of parts) it is recommended to invest in appropriate hardware (more memory, larger disk size, ...). More info can also be found on: <https://help.materialise.com/93151-tips-and-tricks/magics:-performance>

** Materialise Software will discontinue supporting an operating system, or a specific version of an operating system, from the moment that the OS vendor discontinues support.

6 Contact Information

For more information, check out our website: materialise.com/software/magics/

For technical support, please check <http://help.materialise.com/> or contact one of our Customer Support teams:

Europe (Headquarters)

Technologielaan 15
3001 Leuven
Belgium

Phone +32 16 39 66 11
software.support@materialise.be

United Kingdom

AMP Technology Centre
Advanced Manufacturing Park
Brunel Way, Catcliffe
Sheffield, S60 5WG

Phone +44 1143 997 845
software.support@materialise.co.uk

China

Baoshan District
Hutai Road 2999
1F Building no 1
Shanghai 200444
P.R.China

Phone +86 21 583 124 06
software.support@materialise.com.cn

Asia – Pacific

Unit 5-01, Menara OBYU
No. 4, Jalan PJU 8/8A, Damansara
Perdana
47820 Petaling Jaya
Selangor Darul Ehsan - Malaysia

Phone: +603 7724 1415
software.support@materialise.com.my

USA & Canada

44650 Helm Court
Plymouth, MI 48170
USA

Phone: +1 734 259 6445
Phone (toll-free): +1 888 662 5057
software.support@materialise.com

Germany

Friedrichshafener Str. 3
82205 Gilching
Germany

Phone: + 49 8105 77 859 20
software.support@materialise.de

Japan

Yokohama Portside Bldg. 2F
Sakae-cho 8-1
Kanagawa-ku, Yokohama

Phone +81 45 440 4591
support@materialise.co.jp