

The 3D printing process requires manual file processing before parts can be quoted and printed. Thanks to the control offered by Materialise Robot, operations can be performed automatically and reliably in the background, enabling you to serve your customers faster and sustainably grow your AM business.



Why Choose Materialise Robot?

Operate 24/7

Reduce bottlenecks and offer your customers a better service by letting Materialise Robot perform repetitive operations day and night. Deal with large datasets by delegating laborious tasks or repetitive workflows from Materialise Magics to Materialise Robot.

Reduce Lead Time

The automatic STL conversion, design repair and quoting lower the workload in an impressive way, allowing you to serve even more customers. Start with Materialise Robot and then upgrade to Materialise Streamics to plan your builds and trace your parts.

Aim for a High ROI

By automating your workflow, you can process more files at a lower cost. If you daily process more high volumes of files, Materialise Robot is most likely a solution that will allow you to spare money on the short and long term.

Extend Your Software

Materialise Robot can be easily connected to your web portal or called by your own software. Connection with third-party applications is possible through a REST and .NET API.

Configure Your Ideal Process

You can improve the efficiency of your existing AM process via customizable workflows.

“Conventionally, we opened each file in CAD and converted them one by one to STL. With Materialise Robot we can now automatically convert multiple files to STL with a single click, reducing the lead time by more than 50%.”

Mr. Shogo Noguchi, Team Leader,
Manufacturing Group, SOLIZE
Products

Integrate Materialise Robot into Your Process

- Materialise Robot is a modular solution, allowing you to create a software package that suits your specific needs.
- Rely on Materialise Robot's workflow editor to configure different steps and parameters according to your workflow
- To allow for a smooth integration of Materialise Robot with your processes, you can access the software in several ways; via web services, folder monitoring or the user interface.

Materialise Robot Formats and Interfaces

SUPPORTED INPUT FORMATS

AMF	3MF
DAE	CATIA
DXF	IGES
FBX	NX (UNIGRAPHICS)
OBJ	PARASOLID
3D PDF	PRO/ENGINEER
PLY, ZCP	SAT
SKETCHUP	SOLIDWORKS
VRML	STEP
X3D	INVENTOR
ZPR	JT
3DM (RHINO)	VDA
3DS, PRJ	Materialise Formats
STL	

SUPPORTED OUTPUT FORMATS

STL
OBJ
3D PDF
Materialise Formats

AVAILABLE INTERFACES

Web Service REST
.NET library
Folder Monitoring
User Interface

Materialise Robot Modules

Quoting Support

Link Materialise Robot to your web portal and/or invoicing system and automatically generate quotations based on parameter extraction, including estimated support volume and previews.

Data Preparation

Verify printability, repair errors and sort parts according to their quality. Reduce triangles and hollow parts to obtain an optimal build. Through the Materialise Robot workflow editor, you receive access to an extensive set of operations.

Materialise Magics 3D Print Suite

Materialise Robot is part of the Materialise Magics 3D Print Suite. This open platform allows you to take full control over the 3D printing process, from design to printed part.

Materialise and the Materialise logo are trademarks of Materialise nv.

For more information about Materialise Robot, contact us at: software@materialise.be or visit our website software.materialise.com