PREMIUM DATA OPTIMIZATION SOFTWARE

Create the best designs for 3D Printing

A great design for 3D printing usually starts with a CAD file, simulation result, or scanned data as input. To benefit from the possibilities that 3D printing offers, you need a flexible tool to make specific design modifications or enhancements, often at the mesh level. Whether you want to produce a functional automotive part, a lightweight aerospace part or fascinating shoes, our specialized software helps you optimize your designs with an unprecedented degree of freedom.

Materialise 3-matic features

- Automate your workflow
- Post-topology optimization
- Textures, patterns and perforations
- Lattice, conformal and porous structures
- Convert Mesh to CAD
- Design Optimization

Benefits of Materialise 3-matic

Unprecedented Freedom of Design

Produce models that were impossible to create with traditional manufacturing methods.

Master Part Properties

Change aerodynamics, acoustics and cushioning. Increase grip or even control the density of your parts.

A Complete Platform

3-matic is integrated with other solutions from the extensive software suite.

Extra Benefits

Easy Commercialization
Reduce time to market

User-Friendly
Easily connect to other products

High Automation
Automate several processes

Full Control
Fully control all parameters

Higher Quality
Optimized for lattice structures

Save Money
Cost & time savings

Why Choose Materialise 3-matic

- Enjoy freedom of design, create a unique or customized object
- Control density with latticed, conformal and porous structures
- Save material, reduce printing time and decrease costs with lightweight designs
- Change aerodynamic, acoustic and cushioning properties or increase grip
- Avoid labor-intensive finishing steps with smart use of textures
- Gain foresight from the strong link with simulation packages
- Automate your design process or accelerate your iteration cycles, by scripting these flows using the 3-matic Python API

Design with Materialise 3-matic

- Modify your design at mesh level
- Create textures, patterns and perforations
- Create latticed, conformal or porous structures
- Clean up rough topology optimization results for simulation (FEA) and printing
- Convert your mesh back to CAD

DESIGN | ADDITIVE MANUFACTURING | METROLOGY

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