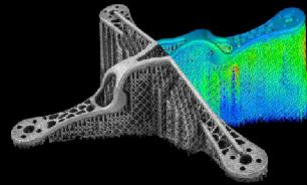# The Software of Choice for Additive Manufacturing

materialise magics
3D print suite

Create the best designs for 3D Printing

Materialise 3-matic
Design Optimization

Prepare your files for 3D Printing

Materialise Magics
Data and Build Preparation

Materialise Magics Essentials
Data Preparation

Materialise MiniMagics
Free File Viewer

Materialise e-Stage
Automatic Support Generation

Get the most out of your 3D printing machine

Materialise Build Processor
Machine Communication

Materialise Control Platform
Machine Control and Steering

Materialise Inspector
In-situ Quality Control

Manage your AM production process

Materialise Streamics
Production Management

Custom Software Development

Materialise 3-matic

Design Enhancement

- Lattice, conformal and porous structures
- Textures, patterns and perforations
- Design modification at the STL level
- Mesh conversions back to CAD
- Cleanup of rough topology optimization results for simulation (FEA) and printing

Materialise Magics

Data and Build Preparation

- Compatible with all data types and formats
- File repair and data preparation for all AM technologies
- Data editing and enhancement tools
- Automated build platform preparation
- Measurements and reporting for quality control
- Integrated simulation capability

Materialise e-Stage

Automatic Support Generation

- Easy automated support generation
- Minimal contact points
- Z-axis part nesting
- Needle-thin supports for easy removal
- Compatible with all laser-based technologies

Materialise Build Processor

Machine Communication

- Centralized settings management
- Advanced, multicore slicing algorithms
- High degree of automation
- Intuitive user interface
- Out-of-the-box support for most printing technologies
- Seamless integration with data preparation
- Open software architecture enabling third party integration
- Two-way communication between the machine and the Build Processor with Streamics integration

Materialise Control Platform

Machine Control and Steering

- AM process monitoring
- Inspection algorithm operations and data logging in real-time
- Data extraction using standard protocols
- R&D applications using Lua programming

Materialise Streamics

Production Management and Automation

- Central access to all key AM data
- Process simplification and control
- Optimal build preparation and scheduling
- Automation of file operations, including part labeling
  AM machine integration