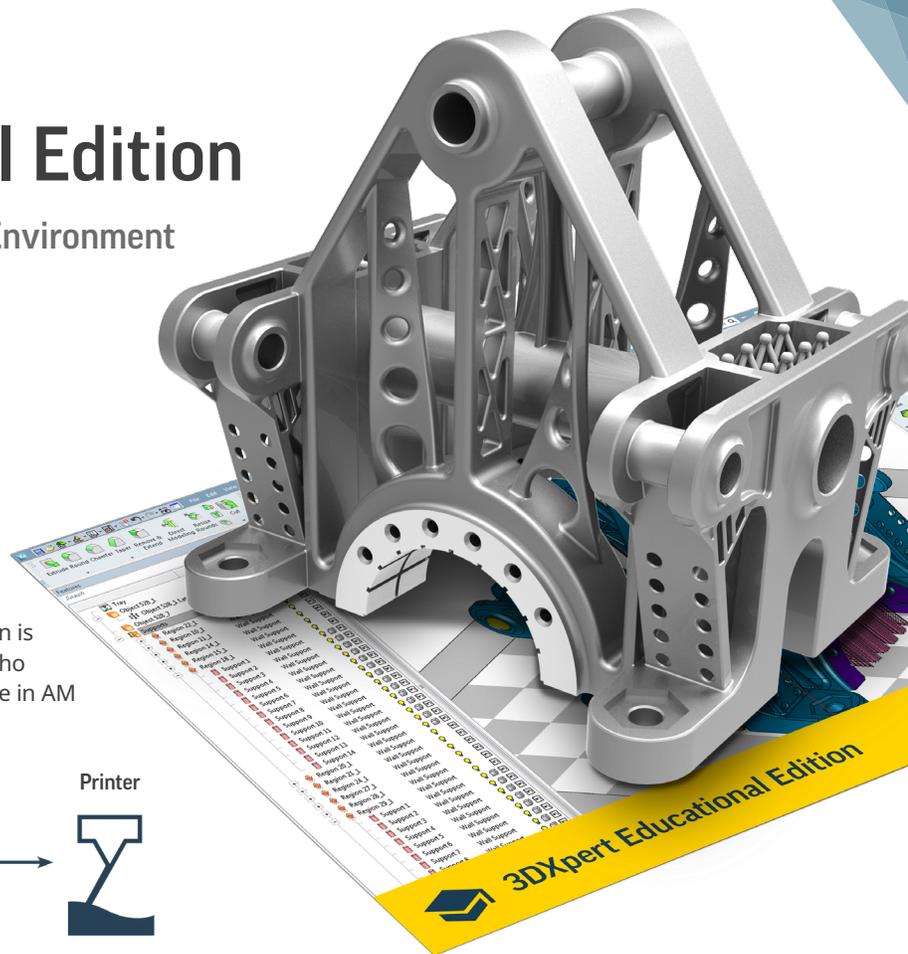


3DXpert Educational Edition

Prepare for an Evolving Manufacturing Environment

The All-in-One Additive Manufacturing Software

3DXpert is the most advanced, comprehensive software solution to prepare, optimize and manufacture 3D CAD models using additive manufacturing (AM). Designed for professional engineers, the software enables unprecedented control over every step of the AM process from design to manufacturing. 3DXpert Educational Edition is the ideal tool for engineering students and researchers, who would like to experiment, explore and develop competence in AM technology.

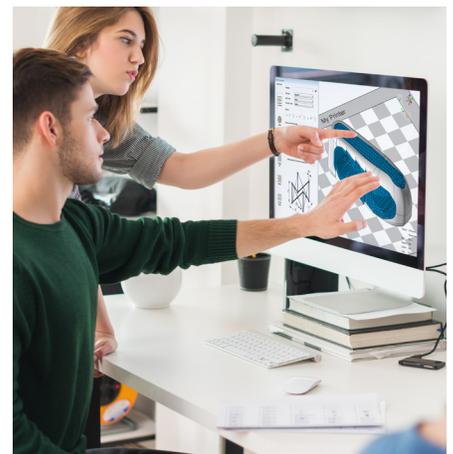


Why Choose 3DXpert for Academic Institutes?

Whether you teach an academic course to train the next generation of leading engineers or are conducting your own research and development, 3DXpert Educational Edition is the ideal tool to experiment, explore and develop competence in additive manufacturing technology.

3DXpert Educational Edition offers:

- **Industry Gold Standard** – used by leading companies in the automotive, aerospace, medical and tooling industries, 3DXpert is the right tool for mastering the competitive skills and capabilities that will determine success in an evolving manufacturing environment.
- **Highest Value** – access the most extensive and professional toolset for the entire AM process with special pricing that includes a master license for the lead instructor/ researcher and 10 supplementary student licenses.
- **Unprecedented Control** – straightforward best practice templates are combined with the full freedom to adjust print parameters, enabling the easy exploration and implementation of the technology to its full potential.
- **Productive Learning and Research Environment** – 3DXpert is the only history-based additive manufacturing software, providing an ideal environment to trial and assess different design and print approaches.
- **Compatible Solution** – regardless of which 3D CAD software or 3D printer you use, you can count on compatibility with 3DXpert.

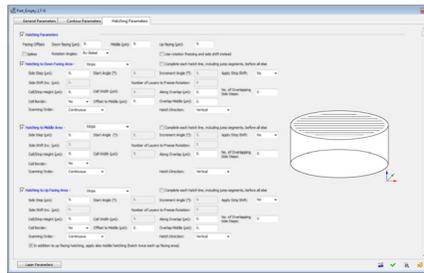


What's In It for You?



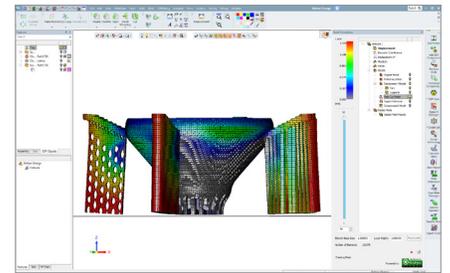
All-in-One Solution

Get the most comprehensive, all-in-one software solution used by professional engineers, designers and 3D researchers. 3DXpert Educational Edition is based on 3DXpert Ultimate edition and includes the most advanced feature set supporting the entire AM workflow from design to manufacturing.



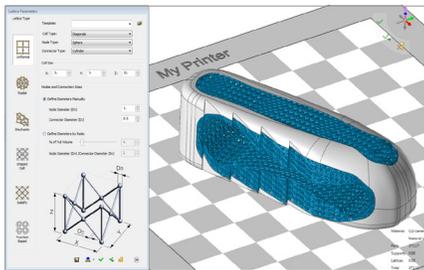
Unprecedented Control

manufacturing experience. Students benefit from early exploration and familiarity with industry-leading technology and capabilities, and researchers are able to precisely address their inquiry without compromise.



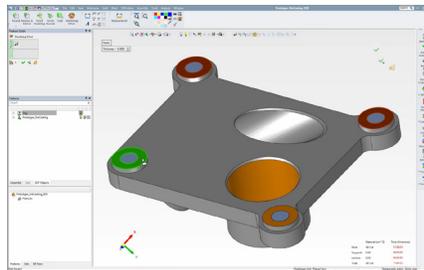
Integrated Powder-Bed Based Build Simulation

An integral part of the design environment, build simulation enables easy and cost-effective impact assessment of changes in design and print parameters. The ability to explore and advance outcomes before printing enables part optimization for printing, performance and cost.



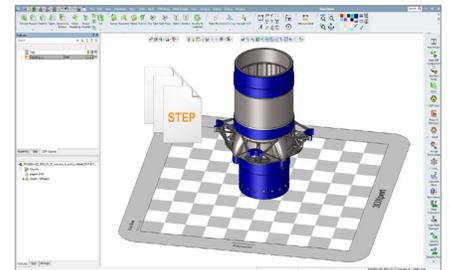
Unmatched Lattice Design Suite

Full control of lattice cell parameters, including altering predefined structures as well as developing your own, makes 3DXpert a flexible solution for all research investigations. 3DXpert allows students and researchers to dial-in to the exact porosity they want using lightning fast creation, editing and viewing tools with immediate feedback for volume and surface based lattice structures.



History-Based CAD Environment

Consequence-free experimentation with design changes is ideal for productive learning. History-based parametric CAD tools enable easy changes to the model at any stage of the process. Students can learn what does and does not work without losing time in reverting to the best option.



Versatile CAD-to-Print

Compatibility with all CAD formats including direct read data of both B-rep (solid, surfaces) and mesh geometries without conversion, makes integrating 3DXpert fast and easy. Exporting files is just as user-friendly, allowing generic CAD formats (STEP, Parasolid, etc.), STL, 3MF, CLI slicing data or optional printer-specific formats.



Note: 3DXpert Educational Edition is to be used exclusively for teaching, learning, research or development in academic institutes and may not be used for commercial or other for-profit purposes.

Find out more at: <https://www.3dsystems.com/software/3dexpert>

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