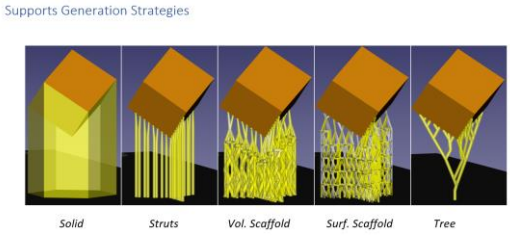


Party! system is an integrated platform that combines multiple printing technologies, allowing production planning across different technologies and printers without repeatedly redefining printing parameters, addressing the Achilles' heel of most target-specific software.

Party! provides a range of tools to help users streamline 3D model printing:

- **Input:** Import mesh files from a database or a folder; many files are read and repaired at once, in parallel.
- **Geometric repair:** During use, files may have geometric issues such as cracks or holes. The application offers solutions to fix these problems with algorithms that detect issues and improve print quality by repairing geometry.
- **Part reinforcement:** Add supports to parts to increase stability, prepare for thermal relaxation, etc.
- **Nesting and positioning:** Parts are nested by their exact footprints, so small parts fit into the cavities of larger ones. An on-screen gizmo moves and turns parts by hand, and overlaps are cleared automatically.
- **Orientation:** Optimize part angles on the build plate to maximize throughput or minimize production time; dental copings are turned with their opening up. **Tagging:** When working with multiple parts, easily identify each part. The application allows tagging parts and setting dimensions so every part can be easily identified when needed.
- **Structural support strategies:** Expertise in creating 3D supports tailored to different printing technologies and materials. The system offers material- and process-specific support geometries and continuously improves with operator updates toward perfect prints.



Supports generation strategies

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- **Slicing (Layer separation):** Slice the build plate and export to vector (EOS SLI, SLC, CLI) and raster (PNG, for DLP) formats. ***Party!*** supports closed and open contours and accounts for machine parameters such as laser beam diameter, etc.
- **Output:** Ability to export files and prepare reports on materials used during printing, including the capacity to group files and merge different geometries. Every slice export also saves a numbered picture of the plate and a parts list with volumes and weights.

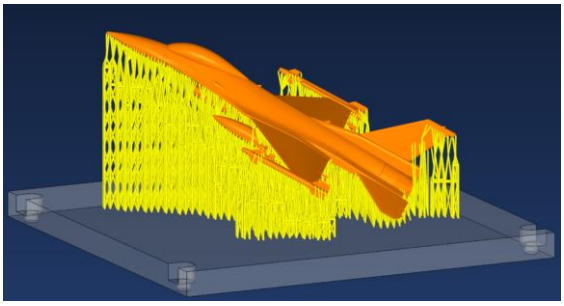
Support for automated manufacturing processes: Input parts, repair geometry, nesting, compute optimal orientation, labelling, determine support structures, slice into layers, and send to the machine, all via a predefined workflow.

Using Machine Learning Algorithms, specific industry knowledge base allows proceeding in product-type related scripts.

Licensing: A license file per workstation, or online activation from a license server with a pool of seats.

Through ***Party!***, users can streamline the printing process, save time, and improve the results of the printed models.

We offer an **SDK/API** development interface that enables embedding the technology into existing manufacturing systems, in addition to the standalone application's user interface.





Supports generated in Scaffold strategy, then printed

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