GrabCAD Print Pro

Target Roles and Customers

- FDM and SAF print programmers and additive manufacturing engineers
- Stratasys customers who primarily use GrabCAD Print™ and are looking to expand their usage
- Customers with higher utilization rates, such as: one or more prints per printer and multiple parts per print
- Customers who print prototypes, tooling, and end-use parts (up to thousands of parts)

Value Proposition Summary

- Greater programmer efficiency by reducing print prep time
- More accurate parts and reduced scrap
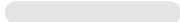- Compliance and accepted within Aerospace and Defense industries

Features Included in the Q2 Release

- **Accuracy Center**
  - Automatic correction of print warpage after a 3D scan (requires off-the-shelf 3D scanner)
  - Use the first print to correct the warping on prints 2-10,000
  - More accurate parts and reduced scrap

- **Per-Part Time Estimation**
  - Optimal for service bureau billing
  - On a tray of 30 individual models, instead of one grouped time estimation, 30 separated estimations are generated, with a single click
  - Greater programmer efficiency by reducing print prep time
- Will install in a FIPS environment (applicable in the standard version, relevant for US government customers)

- **Manufacturing Templates**
  - Save print settings for different common print job types to speed up workflow and synchronize your team
  - Greater programmer efficiency by reducing print prep time
  - More accurate parts and reduced scrap
- Will install in a FIPS environment (applicable in the standard version, relevant for US government customers)
  - Compliance and accepted within Aerospace and Defense industries
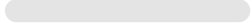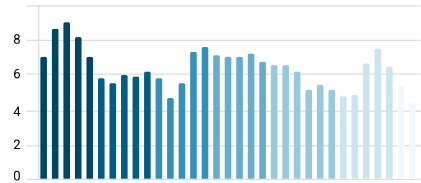

Accuracy Center

Print Accuracy Score

75

0.25mm ▼

Accuracy map

Comparative results ▼

Apply Changes

Estimates and Build Report

Software Partner Plug-ins

- ○ The latest collaboration between CASTOR and Stratasys offers an integration of CASTOR's innovative software into GrabCAD Print Pro™, providing users with a comprehensive suite of tools to streamline their 3D printing workflows

  - CASTOR's software automates the process of identifying suitable parts for additive manufacturing and highlights those that make a good business case from technical, economical, sustainable, lead time, and supply chain points of view

  - With the ability to identify cost-saving opportunities and reduce the time and resources required for part screening, the integration of CASTOR in GrabCAD Print Pro offers a complete range of capabilities that empower users to optimize their 3D printing workflows from start to finish, providing a new level of efficiency, convenience, and accuracy

- ○ AlphaSTAR, with their award winning simulation software, will revolutionize GrabCAD Print Pro users' workflow with toolpath-driven analysis and quality assessment of print parameters and toolpaths, along with Digital Twin thermal process simulation to help improve design cycles and produce higher quality parts with less iteration

Additional Features Planned for Future Updates

- Per-Part Cost Estimation (significant time savings for service bureau estimates and billing)
- DFAM checks on models before printing
- Sustainability/CO2 footprint calculator (eventual reporting requirement in Europe)

Potential Competitors

- GrabCAD Print Standard (free)
  - ○ "Why should I pay for something I'm already doing for free?"
  - ○ GrabCAD Print Pro will pay for itself by achieving reduced print prep time and reduced scrap
  - ○ GrabCAD Print Standard will continue to be enhanced but "power features" for "power users" will primarily be available in GrabCAD Print Pro

- Magics from Materalise (can do H350 prep, DFAM, labels, and model checking but it is more costly)
  - ○ For FDM, Magics is not a competitor
  - ○ You can't use Magics alone for FDM printing, GrabCAD Print or Insight is still required
  - ○ For the H350, GrabCAD Print Pro for SAF is easier to learn and all features are available at a lower cost

- Insight
  - ○ "I can already do all the toolpath modification I want, this tool can't"
  - ○ GrabCAD Print Pro is targeted at current GrabCAD Print users who will benefit from greater programmer productivity and want to create more accurate parts without having to use Insight instead
  - ○ Insight is a proven product enabling experienced users to create high performance parts, but some Insight users may choose GrabCAD Print Pro due to greater ease of use and productivity

- Other automated DFAM software like 3DXpert from Oqton, Netfabb
  - ○ The highest quality parts are achieved by utilizing the entire integrated and optimized Stratasys solution suite: GrabCAD software, Stratasys Printers, and Stratasys Materials

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