Titanium Software

All Stratasys Neo® systems operate with industry-leading Titanium™ software.

Brochure

Titanium Software

Titanium has been carefully designed for users and department managers. Users can define many options as defaults, enabling simple click-and-print operation. Automated communications improve department efficiency and support field service response. Excellent reporting capabilities facilitate part traceability and hardware utilization.

Build Options & Features

- Build validation
- Build time estimator
- Material usage estimator
- On-the-fly parameter adjustment and part deletion
- Upper surface build quality optimization
- Bubble remover with automated option
- Scheduled start
- Specify your delay period (start at or end at)
- Enable resin stirring while waiting for build start

Build Status Notification Emails

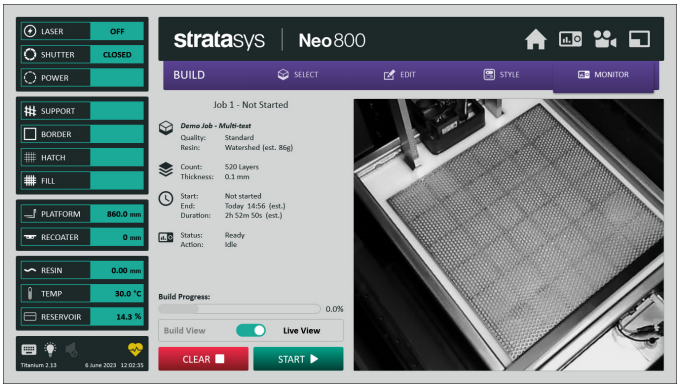
Build progress emails can be sent to users at any point during a build. This assists department efficiency, optimizing machine utilization. Titanium can also be configured so users can receive emails for: Build Start, Pause, Completion or Alert Progress.

On Board Camera

Each Neo system is installed with a built-in camera, offering users the potential to keep track of builds remotely, at any stage.

Resin Viscosity

Viscosity monitoring is key to material longevity, but in busy departments, it can be easy to forget to take regular viscosity readings. Titanium prompts users to take readings at pre-determined intervals, logging the results. The information can be relayed to Stratasys for monitoring, enabling preventative action when necessary and helping to protect vat fill material.



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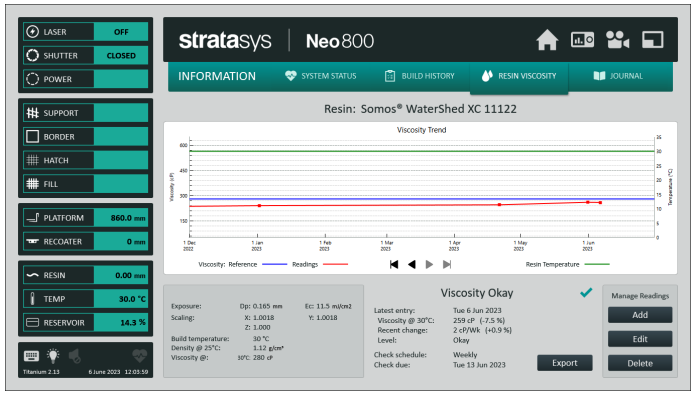
Intuitive Titanium software is designed to simplify daily operation and can be developed with more functionality for detailed builds, when required.



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Industry 4.0

The Stratasys Neo stereolithography system range can be integrated into an Industry 4.0 system. Integration is available via multiple mechanisms, including a RESTful API and shared file access. The data provided includes the machine status, build progress details and the ability to retrieve details about jobs loaded onto the system.

Stratasys Neo uses industry standard formats, like XML. The RESTful API supplies the data using JSON.

Stratasys can work with customers to develop the remote access interface and RESTful API to provide additional functionality.*

Reporting Tools

Titanium features a range of reporting tools and dashboards to help users capture build history, parameter detail, hardware usage and part traceability data. This data help operators and managers utilize the Stratasys Neo to help meet business objectives.

Resin Stirring Controls

Save time and prepare the resin for a successful build with stirring control. Create and edit stir pre-sets and define stir settings for resins requiring maintenance such as ceramic filled materials.

Part Traceability

Part traceability is paramount in many industries. Titanium software traces parts to each build and records all parameters.

Hardware Utilization

Titanium software provides complete insight on hardware usage hours to determine hardware productivity.

Report Export

Titanium allows users to access data with a click of a button and export it as a formatted Microsoft® Excel spreadsheet, via email or to a USB drive. Data can cover a range of timeframes and builds, including:

- Build reports
- Monthly/yearly/custom period reports
- Build Time Analysis

Service & Support Reporting Tools

Stratasys Neo systems have outstanding reliability, and Titanium enables fast, efficient response from the Stratasys support team when needed.

System Alerts

If Stratasys Neo has a problem mid-build, users receive a system alert email.

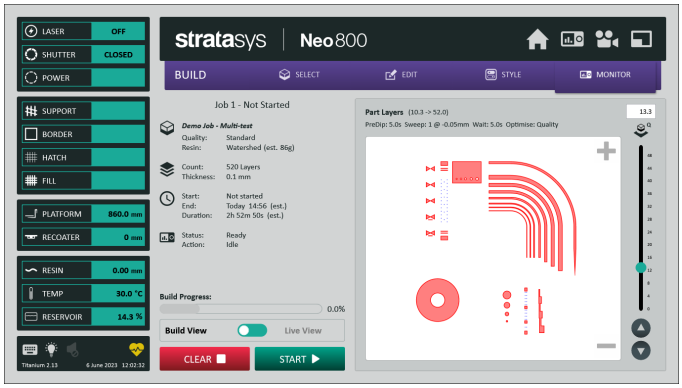
A Journal Panel also logs maintenance and hardware issues to assist as a reference when supporting any future events.

Job Diagnostic Packs

To help identify an issue, users can easily export a Job Diagnostic Pack specific to an individual build via email or USB drive. This data can be used to assist with remote diagnosis and to assist Stratasys service engineers when on-site.

Laser Monitoring and Calibration

Titanium software constantly monitors the laser output and alerts users if recalibration is necessary. A user can recalibrate the laser with a simple, one-click operation.



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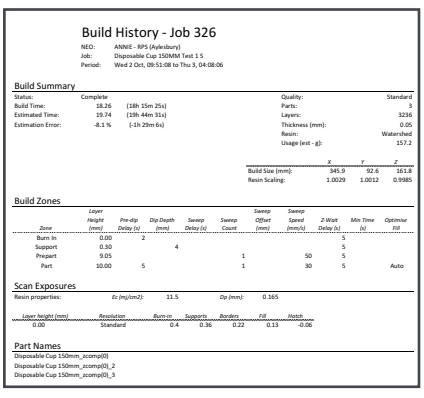

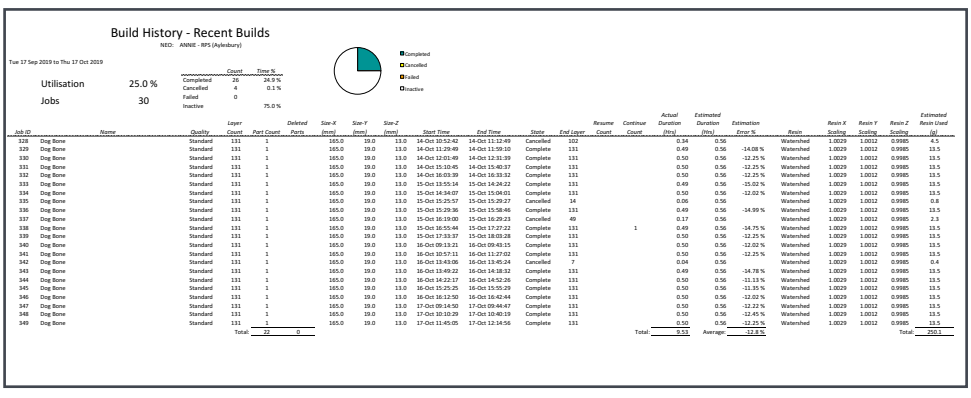

* Internet connection is required for full or partial functionality.

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