



Titanium Software

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

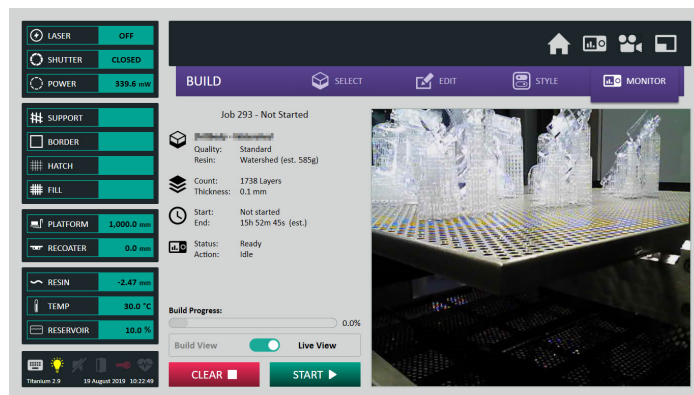


Titanium Software

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



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

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

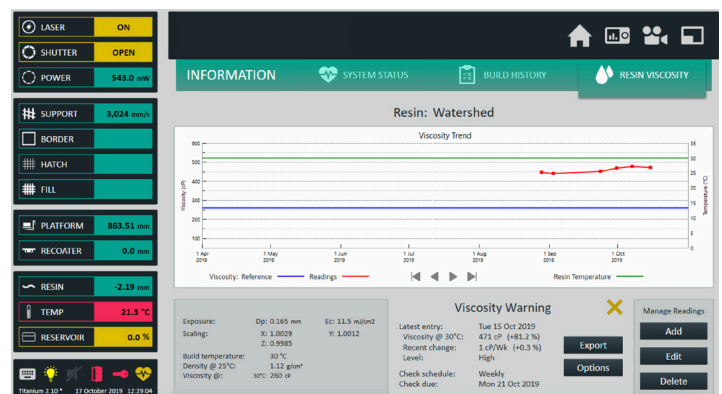
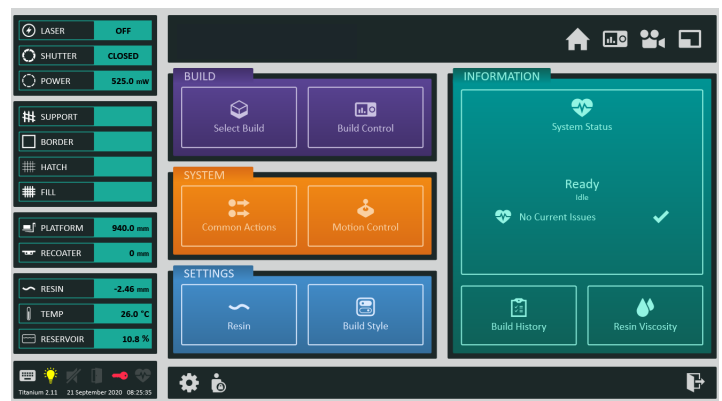
Viscosity monitoring is key to material longevity. Titanium prompts the user for readings at pre-determined intervals, logging the results.

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.

Industry 4.0

The Stratasys Neo stereolithography system range can be integrated into an Industry 4.0 system.

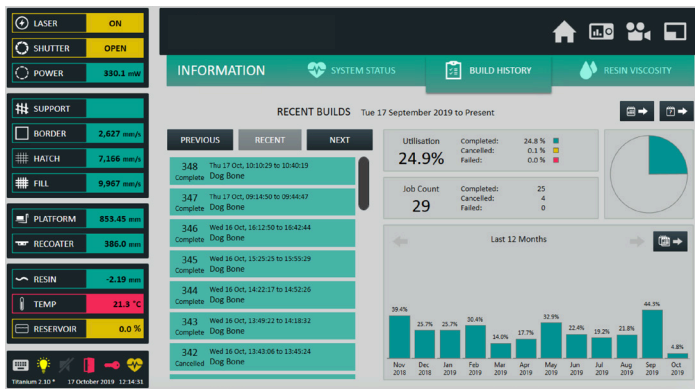
Integration is available via multiple mechanisms, including a RESTful API and shared file access. The data provided include progress details of the current build.

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

Stratasys is happy to 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. These data help operators and managers utilize the Stratasys Neo to help meet business objectives.



Build History - Job 326

NEE: ANNE - RPS (A/B/B/B)
Job: Disposable Cup 150mm_Tel 1.5
Period: Wed 3 Oct, 09:51:08 to Thu 3, 04:08:06

Build Summary		Quality:	Standard
Status:	Complete	Parts:	3
Build Time:	18.26 (18h 15m 25s)	Layers:	328
Estimated Time:	18.74 (18h 44m 34s)	Thickness (mm):	0.05
Estimation Error:	-8.1% (-1h 29m 5s)	Resin:	1.0029 1.0012 0.9985
Usage (est. -):	157.2		

Build Zones		Layer	Height	Pre-clip	Dip Depth	Sweep	Sweep	Speed	Z-Step	Min Time	Optimize
Support	0.50	4	1	50	5						
Part	10.00	5	1	30	5	Auto					

Scan Exposures		Exposure	Aperture	Supports	Resin	FFF	Mesh
Layer height (mm)	0.10	0.4	0.36	0.22	0.13	0.06	

Part Names
Disposable Cup 150mm_1comp01
Disposable Cup 150mm_1comp02_2
Disposable Cup 150mm_1comp03_3

Build History - Recent Builds

NEE: ANNE - RPS (A/B/B/B)

Utilization: 25.0%
Jobs: 30
Completed: 25 (83.3%)
Cancelled: 4 (13.3%)
Failed: 0 (0.0%)
Inactive: 0 (0.0%)

Job ID	Name	Quality	Layer	Count	Start	End	Status	Resume	Continue	Duration	Estimated	Estimation	Resin	Resin X	Resin Y	Resin Z	Resin Used			
328	Dig Bone	Standard	111	1	16:00	17:00	Cancelled	0	0	0:34	0:56	-44.8%	Waterhead	1.0029	1.0012	0.9985	43			
329	Dig Bone	Standard	111	1	14:01	14:29:49	Complete	111	0	0:49	0:56	-44.8%	Waterhead	1.0029	1.0012	0.9985	13			
330	Dig Bone	Standard	111	1	14:01	14:01:49	Complete	111	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
331	Dig Bone	Standard	111	1	16:00	17:00	Cancelled	0	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
332	Dig Bone	Standard	111	1	14:01	14:01:49	Complete	111	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
333	Dig Bone	Standard	111	1	15:01	15:51:14	Complete	111	0	0:49	0:56	-15.0%	Waterhead	1.0029	1.0012	0.9985	13			
334	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
335	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
336	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
337	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
338	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
339	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
340	Dig Bone	Standard	111	1	16:00	17:00	Cancelled	0	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
341	Dig Bone	Standard	111	1	16:00	17:00	Cancelled	0	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
342	Dig Bone	Standard	111	1	16:01	16:48:08	Cancelled	7	0	0:54	0:56	-4.8%	Waterhead	1.0029	1.0012	0.9985	04			
343	Dig Bone	Standard	111	1	15:01	15:18:57	Cancelled	14	0	0:49	0:56	-14.0%	Waterhead	1.0029	1.0012	0.9985	13			
344	Dig Bone	Standard	111	1	16:01	16:12:50	Complete	111	0	0:50	0:56	-11.1%	Waterhead	1.0029	1.0012	0.9985	13			
345	Dig Bone	Standard	111	1	16:01	16:21:21	Complete	111	0	0:50	0:56	-11.3%	Waterhead	1.0029	1.0012	0.9985	13			
346	Dig Bone	Standard	111	1	16:01	16:12:50	Complete	111	0	0:50	0:56	-12.0%	Waterhead	1.0029	1.0012	0.9985	13			
347	Dig Bone	Standard	111	1	17:01	17:04:17	Complete	111	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
348	Dig Bone	Standard	111	1	17:01	17:04:17	Complete	111	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
349	Dig Bone	Standard	111	1	17:01	17:04:17	Complete	111	0	0:50	0:56	-12.2%	Waterhead	1.0029	1.0012	0.9985	13			
Total:													0.50	0.56	-12.2%	Waterhead	1.0029	1.0012	0.9985	133

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

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.

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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