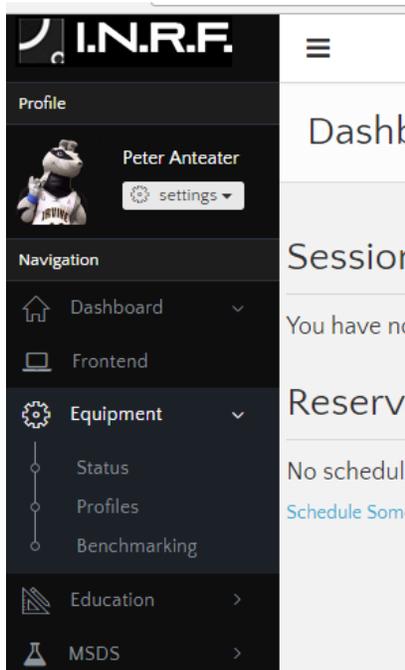


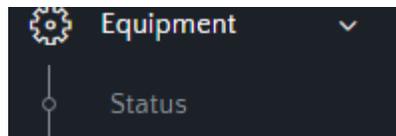
## How to Check the Status of Equipment in the Forged System for the INRF/BION

From anywhere in the Forged System, the Equipment Status page can be found by using the left side *Navigation* Panel, and clicking **Equipment**→ **Status** (visible in the screenshot below).



Navigation Panel on Left Side of Screen

Zoom in of **Equipment**→ **Status** selection:



Alternatively one can use this link: <https://inrf.forged.systems/dashboard/equipment/status/>

Below is an example of what you will see when this is complete.

Secure https://inrf.orged.systems/dashboard/equipment/status

**INRF**

Profile: Peter Anteaer

Navigation: Dashboard, Frontend, Equipment, Status, Profiles, Benchmarking, Education, MSDS, Facilities, Calendar, Users

### Equipment Status

OFFLINE DUE TO FACILITIES

Equipment Class	Equipment Name	Equipment Status	Comments	Time Entered	Submitted By
Lithography	FEI E-Beam writer and SEM	Offline - Facilities	Reinstall due to water flood	Sept. 19, 2016, 4:36 p.m.	Jake
Chemical Vapor Deposition	ASM LPCVD Low Stress Nitride Poly	Offline - Facilities	Reinstall due to water flood	Sept. 20, 2016, 1:08 p.m.	Jake
Chemical Vapor Deposition	Anicon CVD Low Temp Oxide	Offline - Facilities	Reinstall due water flood	Sept. 20, 2016, 1:10 p.m.	Jake
Dry Etching	Xenon Difluoride Si Pulsing etcher	Offline - Facilities	Reinstall due to water flood	Sept. 20, 2016, 1:17 p.m.	Jake
Back End	K&S Wedge Bonder	Offline - Facilities	Reinstall due to water flood.	Sept. 27, 2016, 3:28 p.m.	Jake
Back End	K&S Cold Ball Bonder	Offline - Facilities	Reinstall due to water flood.	Sept. 27, 2016, 3:29 p.m.	Jake
Diffusion Furnaces	4 inch Mini-Brute Tube	Offline - Facilities	Reinstall due to water flood.	Sept. 27, 2016, 3:49 p.m.	Jake
Diffusion Furnaces	6 inch Mini-Brute Thermal Bonding Tube	Offline - Facilities	Reinstall due to water flood.	Sept. 27, 2016, 5:08 p.m.	Jake
Characterization	Rudolph Research AutoL Model 3W-R-SSI-4	Offline - Facilities	Duo to water flood needs to be reinstalled	Oct 26, 2016, 4:22 p.m.	Jake
Characterization	Caertrner Scientific Model L126-13	Offline - Facilities	Duo to the water flood system needs to be reinstalled	Oct 26, 2016, 4:24 p.m.	Jake

Activity Log:

- Danmeng Wang is operating the STS System DRIE Feb 02, 12:03PM
- Yu-Wei Lin is operating the Karl Suss MA6 Mask Aligner Feb 02, 10:59AM
- Yu-Wei Lin has finished using the Laurell 2 Spinner Feb 02, 10:58AM
- Yu-Wei Lin is operating the Laurell 2 Spinner Feb 02, 10:29AM
- Phi Pham is operating the First Nano Feb 02, 10:30AM
- Danmeng Wang has finished using the STS System DRIE Feb 02, 08:43PM
- Phi Pham has finished using the First Nano Feb 02, 08:42PM
- Danmeng Wang is operating the STS System DRIE Feb 02, 02:49PM

Scrolling up and down on this webpage one can see that all INRF/BION tools have a record of their current status as well as past status. Furthermore, the tools are organized into their current status type.

Current Status Types include:

### Legend:

**Online:** Equipment is online and ready to be used.

**Repair:** Equipment undergoing repairs and non-operational.

**Standby:** Equipment is able to come online with enough notice.

**Maintenance:** Equipment undergoing preventative maintenance.

**Offline Due to Facilities:** Equipment non-operational.

Chart at the bottom of this screen:

## Click on equipment for more details

- Here, all tools in the INRF/BION are listed regardless of current status type. That is, tools that are Offline due to facilities, Under Repair, On Standby, and Online are all listed and color coded as described above.

Under the “Click on equipment for more details” chart, one can click on the various headers (such as Equipment Status, Time Entered, Equipment Class and more) to sort the list of equipment as desired. Additionally, at the right side of the top of this chart there is a SEARCH text box available to search through the entire data within the chart. These are shown below:



\*Note: The default number of tools displayed is 10, so if not using the upper right SEARCH bar to find a piece of equipment, be sure to either change that set point and/or click through the arrows and numbers below the chart to display the next set up data.

### Finding More Details About a Specific Tool

Regardless of Status Type, one can click on any tool and find out even more details of the status of the equipment beyond what is shown on the webpage. Below is a screenshot of what appears when the Confocal HS200 Microscope was clicked and selected as an example.

\*Notice at the top one can select a desired Date Range to focus on, and below that the Status Timeline appears of that equipment appears color coded to show how the status has looked over that Date Range selected.

Secure | https://inrf.forged.systems/dashboard/equipment/status/id=63/

**INRF** Logout

**Equipment Status**  
Confocal HS200 Microscope

Select Data Range

Date range: 01/03/2017 to 02/03/2017 Get

**Status Timeline**

January 2017 February 2

Equipment Status: [Timeline showing Online status from Jan 5 to Jan 25, followed by a Repair status from Jan 25 to Feb 1]

**Legend:**

- Online:** Equipment is online and ready to be used.
- Repair:** Equipment undergoing repairs and non-operational.
- Standby:** Equipment is able to come online with enough notice.
- Maintenance:** Equipment undergoing preventative maintenance.
- Offline Due to Facilities:** Equipment non-operational.

**Equipment Status Detail**

Date	Status	Comments	Submitted By
Dec 21, 2016 03:26PM	Online	Proteus water flow dial cleaned and functional. Error Cleared on Software AND System Back online	Steven
Jan 25, 2017 12:55PM	Repair	X-Cite 120 Fluorescence illumination system having issues, lamp turns off after some time. Manual found and error code not quite clear, need to check with manufacturer to troubleshoot further.	Steven

**Supporting facilities Status Detail**

Date	Facilities	Status	Comments	Submitted By
Aug 20, 2015 10:50PM	Power	Online		System

**Activity Log:**

- Yu-Wen finished Karl Sus Mask All Feb 02, 2017
- Danmen is operat STS Syst Feb 02, 2017
- Yu-Wen operatin Sus MA Aligner Feb 02, 2017
- Yu-Wen finished Laurell 2 Feb 02, 2017
- Yu-Wen operatin Laurell 2 Feb 02, 2017
- Phi Phan operatin Nano Feb 02, 2017
- Danmen has finish the STS : DIB Feb 01, 2017
- Phi Phan finished First Nan Feb 01, 2017

One can also easily see the Equipment Status Detail chart which shows all of the past as well as current status updates for the tool.

A similar Supporting Facilities Status Detail chart is also displayed below which shows all of the past as well as current facilities' status updates.