Novitool®

Novitool® Aero® Splice Press Dashboard & Mobile App Manual

⚠ WARNING

IMPROPER OR UNSAFE use of this tool can result in serious bodily injury! This manual contains important information about product function and safety. Please read and understand this manual BEFORE operating the tool. Please keep this manual available for other users and owners before they use the tool. This manual should be stored in a safe place.

Patent number: US 9,090,022 B1 and other Patents Pending

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Initializing Press

Prior to first time operation, ***you must register your press in order to unlock it for use***. This will also allow Flexco to communicate critical firmware updates.

a. Screen will show press is locked and requires access code. Go to www.flexco.com/code to enter your serial number and to obtain your access code.

b. Use the selector knob and scroll to "Enter Access Code." Depress knob.

c. Scroll down, enter access code, and select "Confirm." Contact Flexco Customer Service if you have difficulties entering the code.

Connectivity Specifications

Web browsers recommended:

- Google Chrome
- Firefox
- Edge
- Safari

Smart device specifications:

- iOS – version 9.0 or newer
- Android – version 5.0 or newer

Bluetooth® specifications:

- Bluetooth® Dongle: Flexco Item Code 09574. Order this dongle to ensure good performance; otherwise, connectivity results may vary.
- 15 meters/50 feet Bluetooth® range

Description

Aero® Connectivity

Ability to upload new versions of firmware software to the Aero® press from the Novitool® Aero® Splice Press Dashboard to a smart device via a Wi-Fi or cellular connection and from the smart device with the Aero® Mobile App to the Aero® press via Bluetooth®.

- Firmware updates include press operation improvements to enhance the productivity of your press and splice reliability.

Ability to upload splice cycle data from the Aero® press to the smart device with a mobile app via Bluetooth® and sync from the mobile app to the dashboard via a Wi-Fi or cellular connection.

- Data assists with advanced splicing support, troubleshooting, and collection overtime to assist with product reliability.

Aero® Dashboard

Purpose of the dashboard is to manage:

- Aero® Presses
- Users
- Companies

During the press registration process, company and personal data are collected to register you for the Novitool® Aero® Splice Press Dashboard. Immediately following the registration process, you will receive an email to create a password for access to the dashboard.

Aero® Mobile App

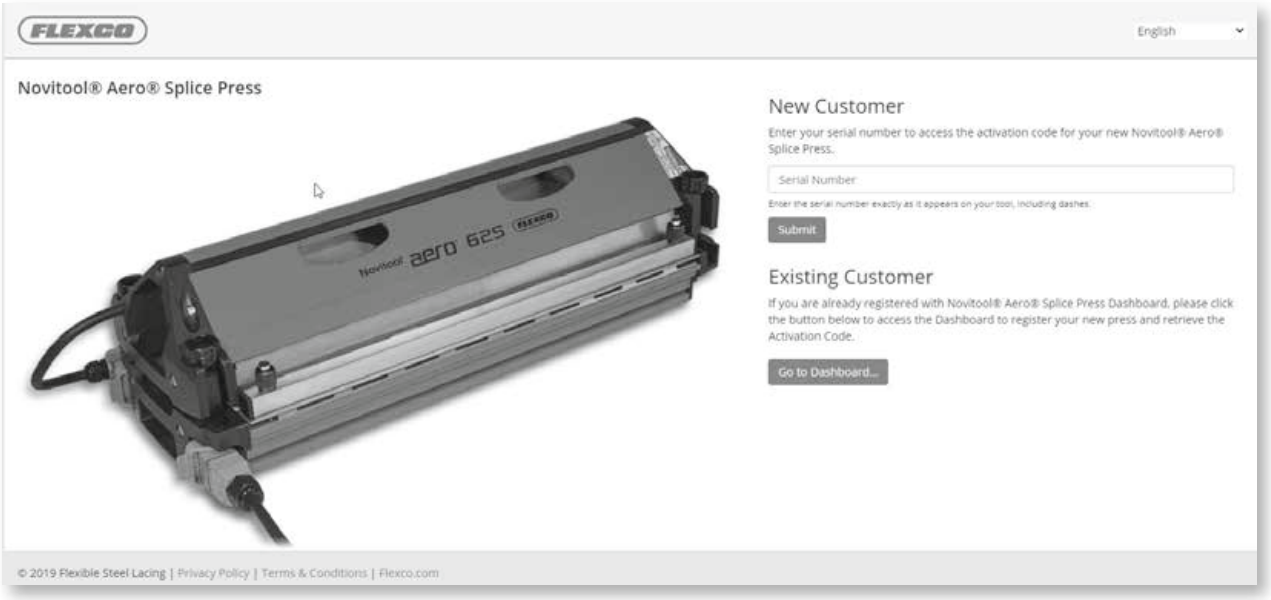
Purpose of mobile app is to connect:

- To upload new firmware versions
- To upload splice cycle logs and to sync splice cycle data to dashboard

Go to the appropriate app store (either iOS or Android) to find and download Novitool® Aero® Splice Press app.

Novitool® Aero® Splice Press Initialization & Dashboard Registration

Prior to first time use of the Aero press, operator must initialize the press by registration. The information provided will allow Flexco to communicate critical press firmware updates and provide the operator permission to utilize the Novitool® Aero® Splice Press Dashboard and Aero® Mobile App.



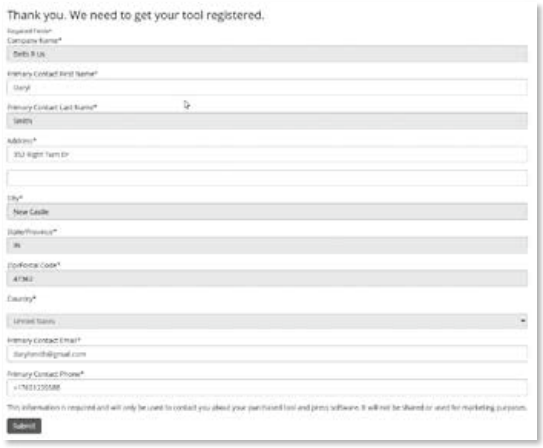
Novitool® Aero® Splice Press Initialization & Dashboard Registration

New Customer

1. On a smart device or computer go to www.flexco.com/code to obtain the Activation Code to initialize your new Novitool® Aero® Splice Press.
2. If you are not registered in the Novitool® Aero® Splice Press Dashboard, under New Customer, enter the Aero® press serial number exactly as it appears on serial number plates including dashes.

Serial numbers can be found at the rear of press or on the transport case.

3. Fill out information in the fields. When complete select the **SUBMIT** button.



Note: *If you try to register under New Customer and your email exists in the dashboard, a warning will appear that advises to select Go to Dashboard button to register the press.*

4. The nine-digit activation code will display and is ready to enter on new press.

Note: *A confirmation email will be sent listing the Serial # and Activation Code.*

5. At the press, using the selector knob, scroll to **"Enter Access Code"** and depress knob.
6. Enter nine-digit access code provided from Activation Code page.
7. After entering the Activation Code, select **Confirm**.

Novitool® Aero® Splice Press Initialization & Dashboard Registration

Existing Customer

1. If you are already registered in the Novitool® Aero® Splice Press Dashboard, under Existing Customer select the Go to Dashboard button.

2. Sign into your account with your Email and Password and select the **SUBMIT** button.

3. Upon login the Create Press page appears.
4. Select the **Company Name** from the dropdown.
5. Enter the Aero® press serial number exactly as it appears on serial number plates including dashes. Serial numbers can be found at the rear of press or on the transport case.

6. Create a press nickname if desired. If a nickname is not created, then the press serial number is displayed.
7. Click the **SAVE** button.
8. The nine-digit activation code will display and is ready to enter on new press.

Note: *A confirmation email will be sent listing the Serial # and Activation Code.*

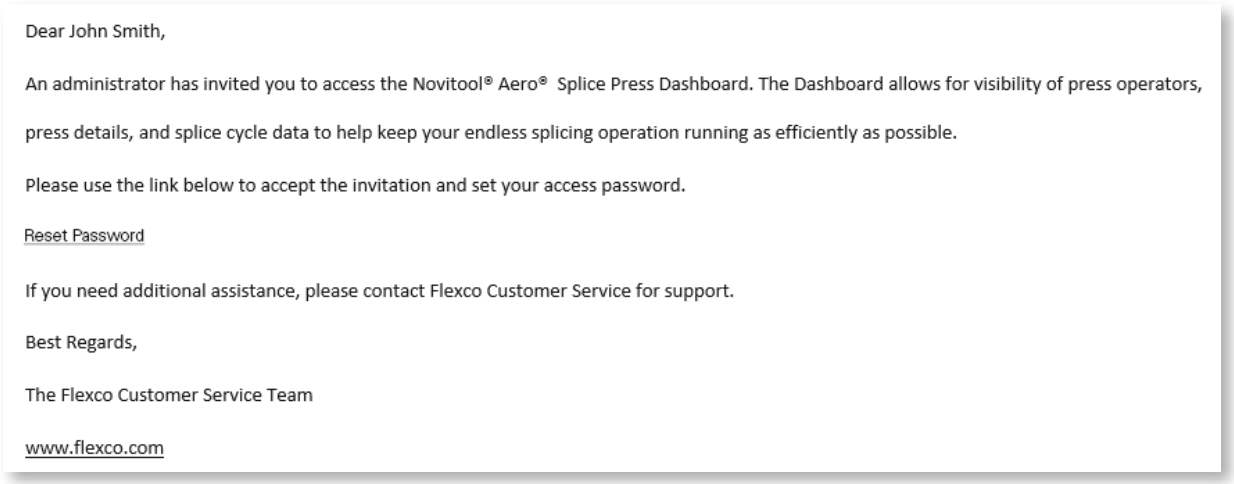
9. At the press, using the selector knob, scroll to "**Enter Access Code**" and depress knob.
10. Enter nine-digit access code provided from Activation Code page.
11. After entering the Activation Code, select **Confirm**.

Contact Flexco Customer Service if technical assistance is needed: www.flexco.com

Accessing the Novitool® Aero® Splice Press to Dashboard

Immediately following the online registration of your Novitool® Aero® Splice Press, you will receive an email invitation from Flexco to access the Novitool® Aero® Splice Press Dashboard.

Click link provided in email. ***Note:*** *A Wi-Fi or cellular connection is required to login to dashboard.*



Dear John Smith,

An administrator has invited you to access the Novitool® Aero® Splice Press Dashboard. The Dashboard allows for visibility of press operators, press details, and splice cycle data to help keep your endless splicing operation running as efficiently as possible.

Please use the link below to accept the invitation and set your access password.

Reset Password

If you need additional assistance, please contact Flexco Customer Service for support.

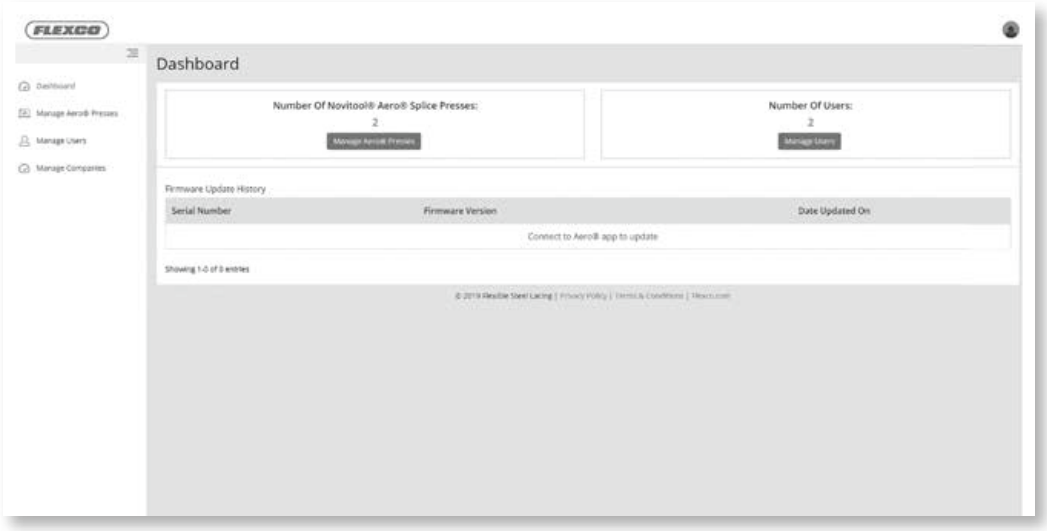
Best Regards,

The Flexco Customer Service Team

www.flexco.com

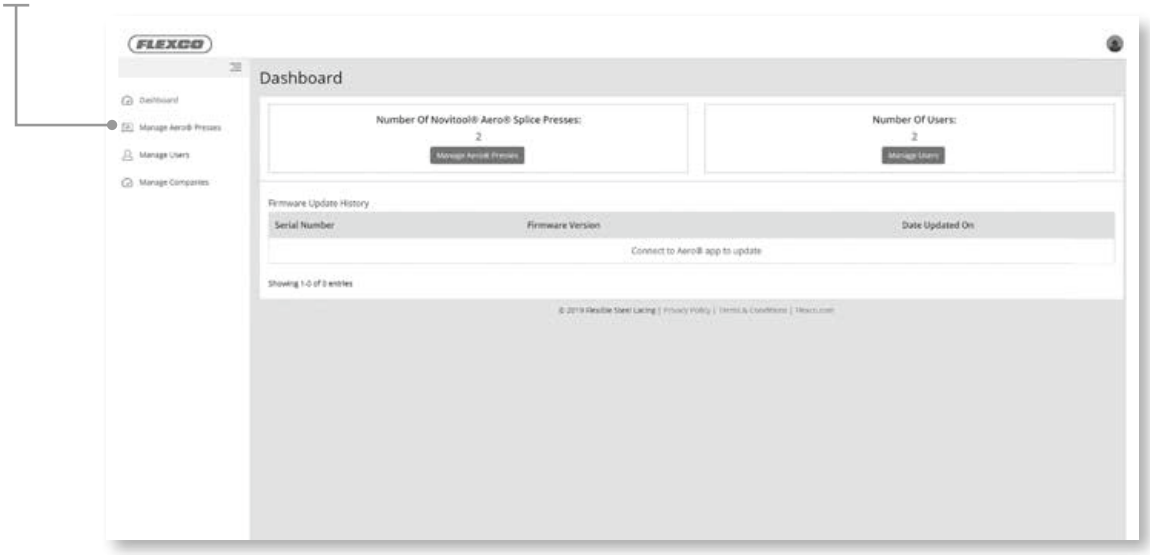
- The link will direct user to a reset password page in order to set up a password for the dashboard and mobile app. Password must be a minimum of 8 characters and must contain at least one of each of the following:
  one upper case letter, one lower case letter, and one number. Enter password twice and click **Submit**.
- Dashboard URL: https://Novitool.flexco.cloud
- Cellular or Wi-Fi connection is needed in order to login and/or connect to the dashboard.
- Login to the Novitool® Aero® Splice Press Dashboard by entering your email address and password. Click the **Submit** button.

The first screen is the main dashboard screen. This view shows the number of Aero® presses that have been registered to your company account, the number of users that have been registered to your company account, and the Firmware Update History.



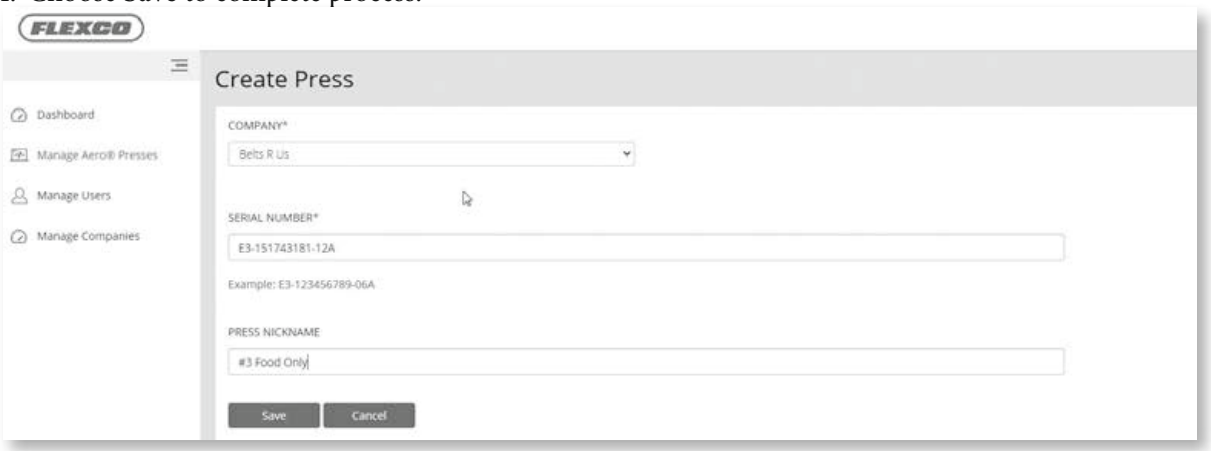
Note: *First-time user will automatically be set up as a Company Admin user.*
Company Admin users are able to add presses and users. Operator users are able to view only.

- To add/manage Aero® presses, select **Manage Aero® Presses** in side menu.



- Select **Create Press** button to add a new, registered press.

- Adding a new press:
  1. Select your company.
  2. Add the Aero press serial number exactly as it appears on the serial number plate on rear end plate of press.
  3. Create a Press Nickname. Character length is 16 characters. If a nickname is not created, then the press serial number is displayed.
  4. Choose **Save** to complete process.



NOTE: *If the press serial number has 6 middle digits rather than 9, add 3 zeros in front of the 6 digits. Ex. E3-000xxxxxx-06A.*

Novitool® Aero® Splice Press Mobile App

Connecting Mobile App to Press

Plug in and power on Aero® Press per Novitool® Aero® Splice Press Safety and Operation Manual.

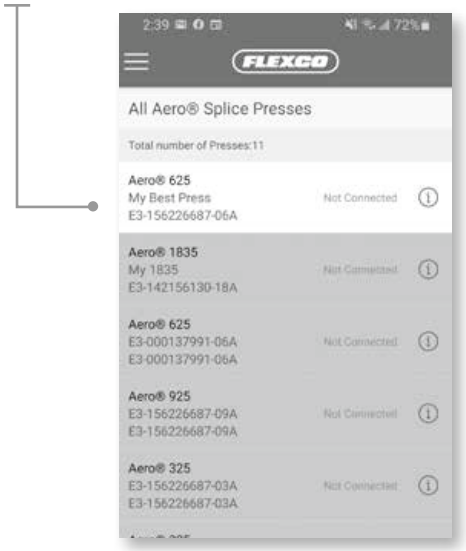
The Aero® Mobile App functions include:

1. Wireless transmission of new firmware updates to press(es)
2. Sync and upload splice cycle data to dashboard

- On your smart device, select Aero® Mobile App icon to load the mobile app. Use "Novitool® Aero® Splice Press" to search your store.
  Note: *User must be already registered on dashboard with a User Name and Password in order to use the Novitool® Aero® Splice Press Mobile App. A Wi-Fi or cellular connection is required to download mobile app.*

Smart device specifications:
- iOS – version 9.0 or newer
- Android – version 5.0 or newer

- Once the Aero® Mobile App has been downloaded to your Smart Device, open the mobile app.
- At Login, enter User Name and Password *(same as established on dashboard)* and select **Get Started** button.
- Home screen displays all registered Aero® Splice Presses. Presses that are powered on and within range of Bluetooth® dongle located in USB port located in air inlet of top press beam closest to the controller will show a white background and are selectable. ***NOTE:*** *If AEROPRESS-E3-xxxxxxxxx-xxA is in upper case, the press is within Bluetooth® range, but is not accessible, it needs to be added to the dashboard.*
  - Bluetooth® range is approximately 50 feet (15 meters).
  - Bluetooth® dongle with Flexco Item Code 09574 is strongly suggested to ensure good performance; otherwise, connectivity results may vary.
- Select desired Aero® Press (white background) to initiate connection. The mobile app may be connected to only one Aero® press at a time.

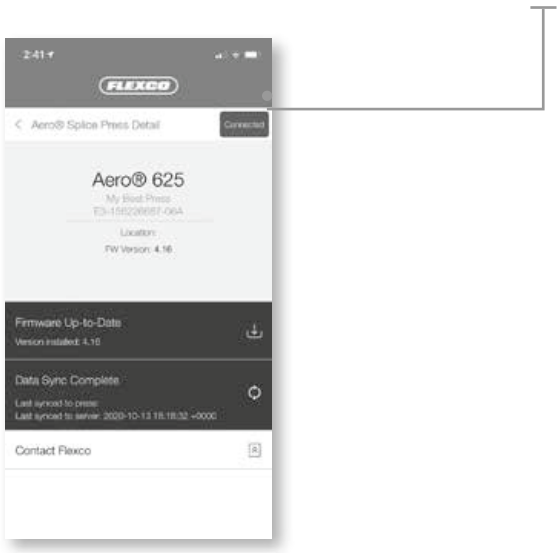


Troubleshooting Tip:

Presses that are powered on and within range of Bluetooth® dongle located in air inlet of top press beam will show a white background and are selectable.

If no presses are highlighted in white:
- confirm press is powered on
- ensure Bluetooth® is enabled on smart device
- refer to Troubleshooting Guides on page 19-20
- contact Flexco Customer Service for more assistance

- Select the **Connect** button to connect with selected press. When the Aero® press is connected to the mobile app, the app sounds an audible tone and the LED light on the green start button of the press illuminates blue.

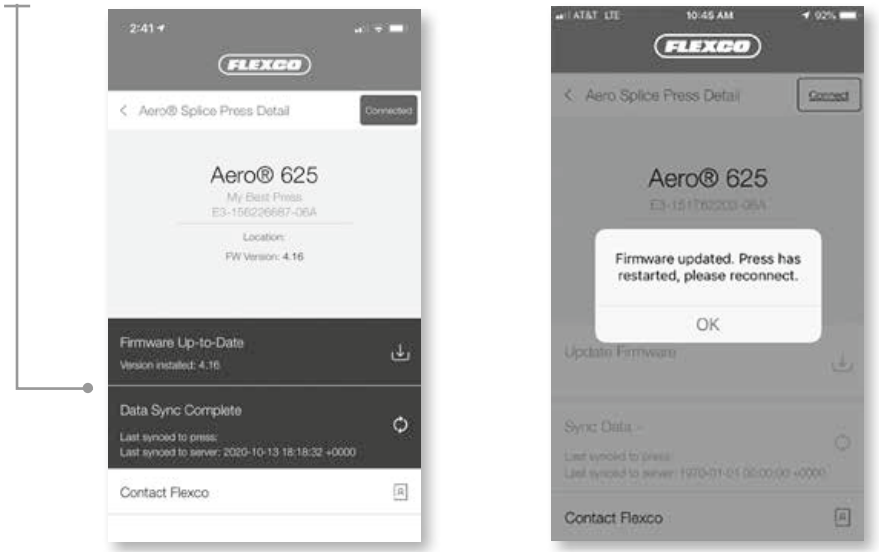


- Once connected to press, there are two processes available:

1. **Update Firmware** –> "Red" banner indicates new **Update Firmware** available for upload.
   –> "Green" banner indicates **Firmware Up-To-Date**.
2. **Sync Data** –> "Red" banner indicates **Sync Data**. New splice cycle logs are available for upload.
   –> "Green" banner indicates **Data Sync Complete**. No additional splice cycle logs to upload.
   –> "Yellow" banner indicates an upload is necessary. Go To **Offline Sync Logs** to Complete Sync (on page 12).

Update Firmware

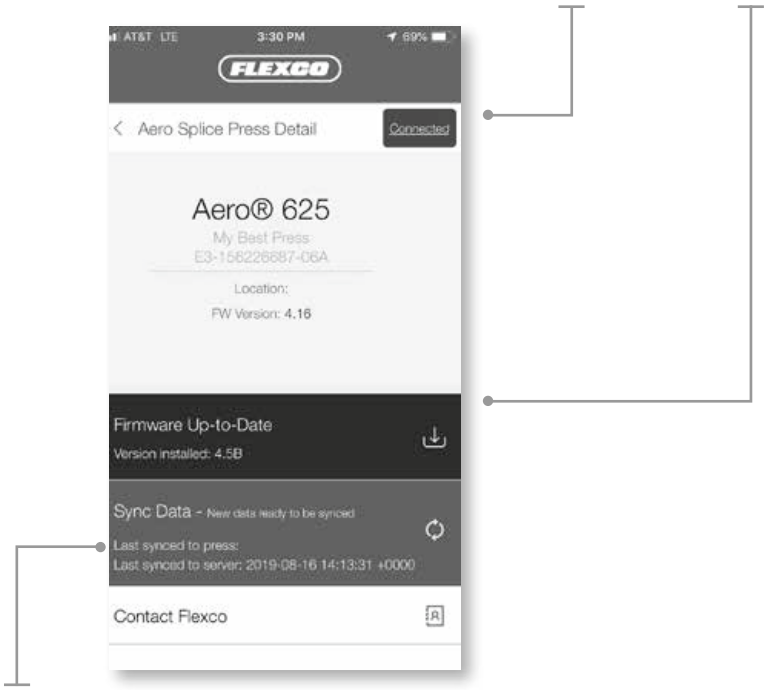
- Select on the "red" **Update Firmware** banner to initiate the updating process.
  Note: *Must be connected to Wi-Fi or cellular to upload firmware. If Wi-Fi and cellular signals are strong and smart device is in close proximity to the press, updates take less than 3 minutes.*



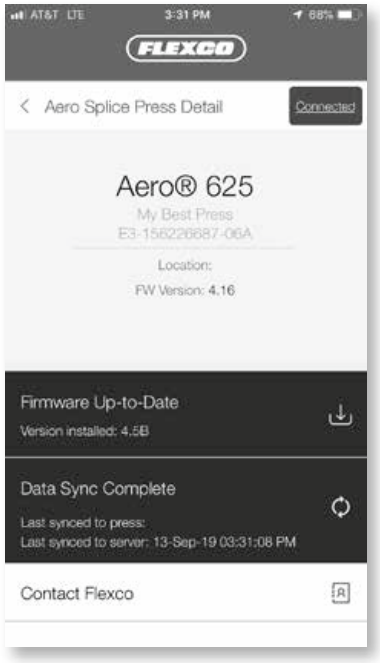
- Once Firmware is finished updating, press will restart and mobile app will disconnect from press.
- Select **OK** button.

Sync Data to Dashboard

- Select the **Connect** button to reconnect to the press.
  (A "green" banner confirms that press **Firmware Up-to-Date**.)

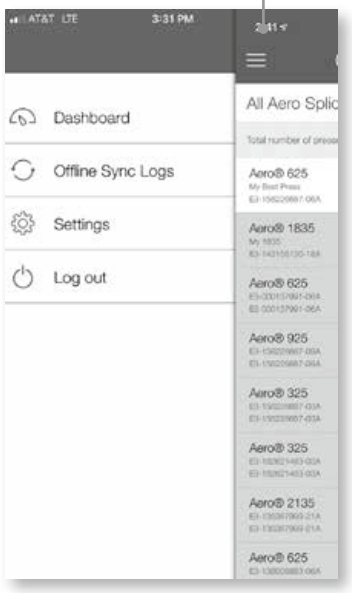


- Select "red" banner on **Sync Data**, to initiate data sync. In order to complete the Data Sync to the dashboard, you must have Wi-Fi or Cellular connectivity. The function of Sync Data is to upload all the splice cycle data logs since the last time it was uploaded. The upload time depends on the number of splice cycles and the connectivity.
- At completion a pop up indicates all log files uploaded successfully. Select **OK**.
- A "green" banner indicates **Data Sync Complete**. Select the **Connected** button to disconnect from the press.
- Select **Aero® Splice Press Detail** to go back to Aero press list.

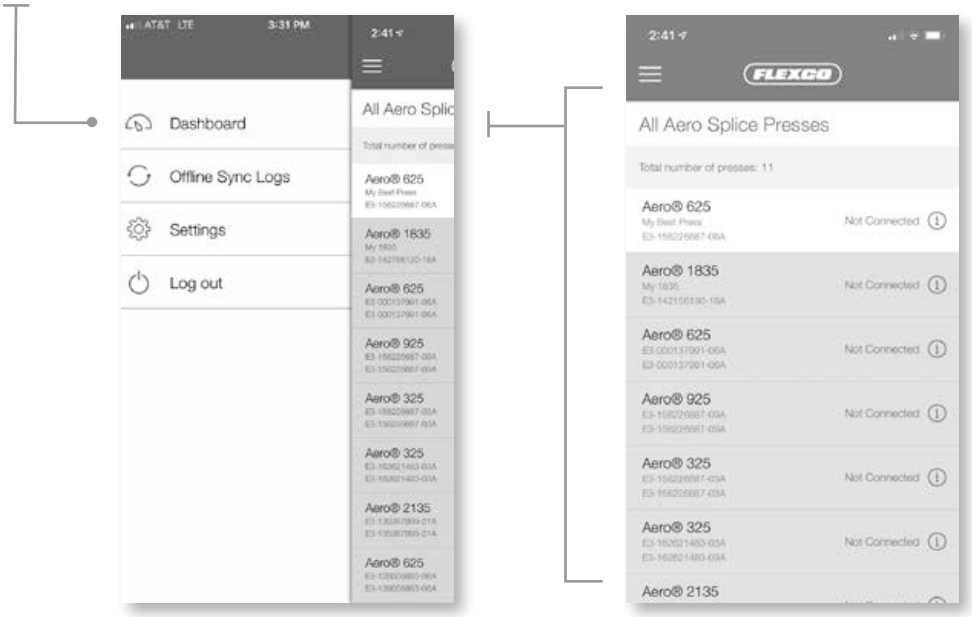


Additional Features

- Select collapsed menu icon to access:
    1. Dashboard
    2. Offline Sync Logs
    3. Settings
    4. Log Out

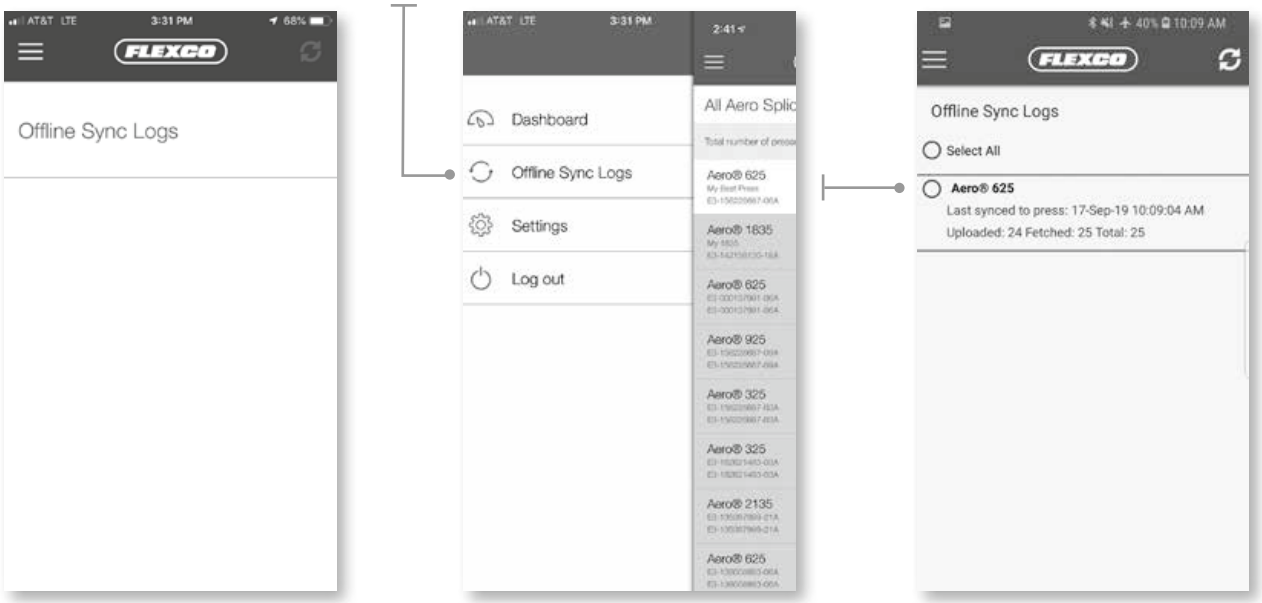


- Select **Dashboard** to display "All Aero Splice Presses" registered with Flexco under your company.

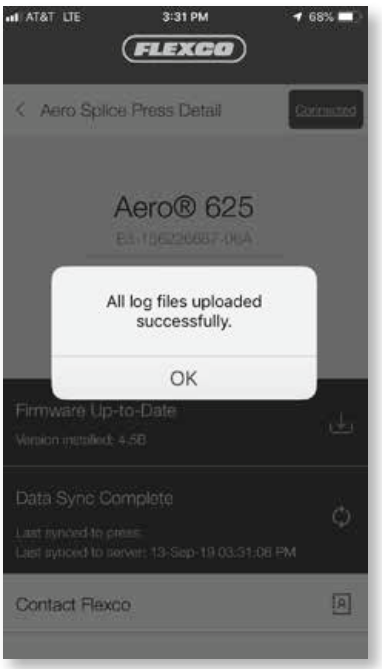


Offline Data Sync Upload to Dashboard

If Wi-Fi or cellular are not available during the Data Sync, splice cycle logs will need to be synced to smart device via Bluetooth®. **Go To Offline Sync Logs to Complete Sync** is indicated by a "yellow" banner. Once Wi-Fi or cellular connection is available, the user can perform data sync to push cycle logs from smart device to the dashboard.

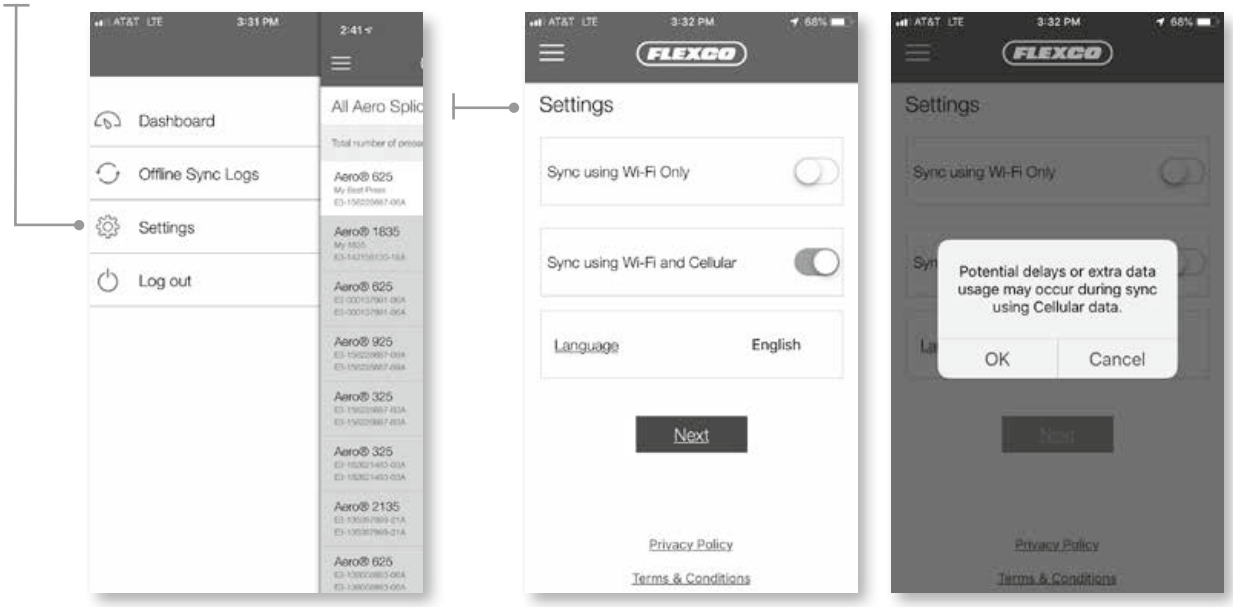


- Under menu icon, select **Offline Sync Logs**.
- Select press(es) and click on rotating arrows in upper right corner



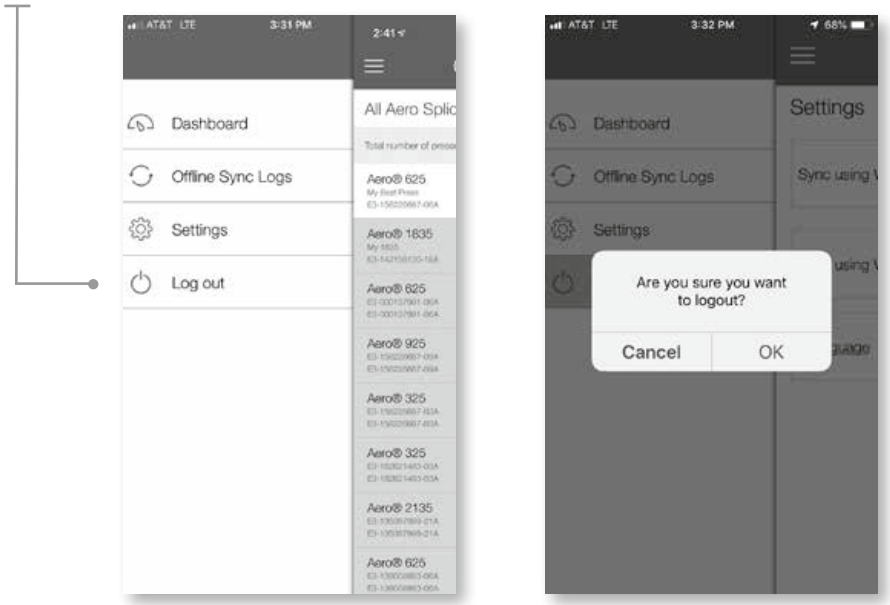
Adjusting Connectivity Settings

- Under the menu icon, select **Settings** to adjust sync settings and language preference. The mobile app defaults to **Sync using Wi-Fi and Cellular**.
  Note: *If* ***Sync Using Wi-Fi and Cellular*** *is selected, operator will receive a pop-up advising, "Potential delays or extra data usage may occur during Sync using cellular data".*



Logging Out of the Mobile App

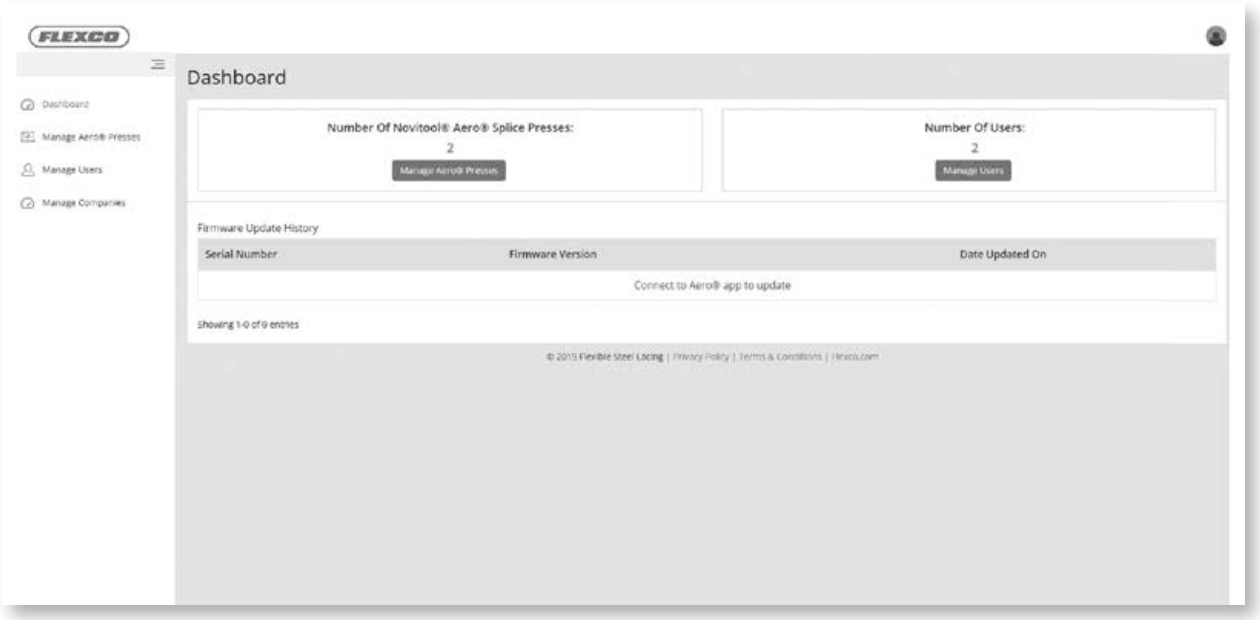
- Under menu icon, select **Log Out** to log off of the mobile app



Contact Flexco's Customer Service if technical assistance is needed: www.flexco.com

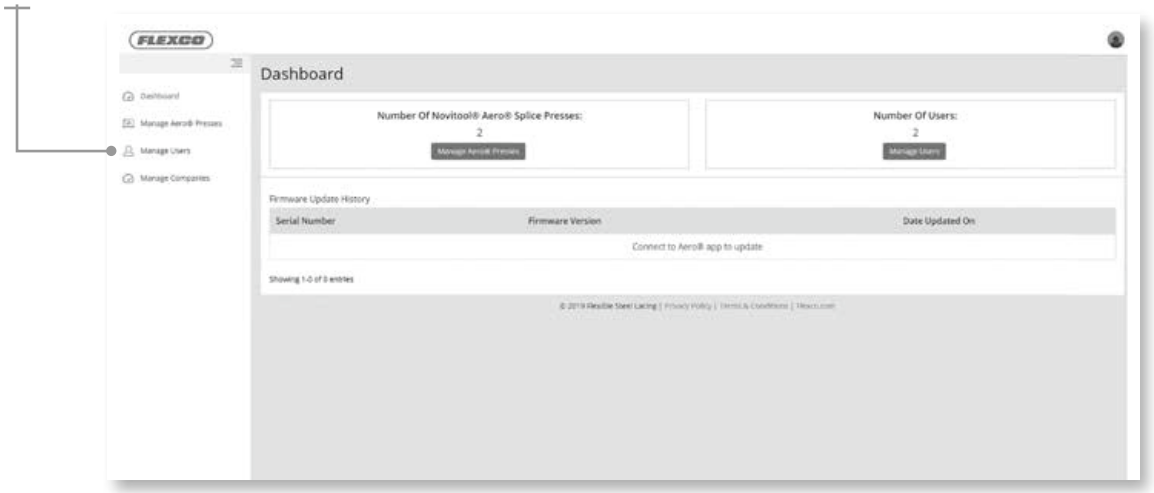
Additional Features of the Novitool® Aero® Splice Press Dashboard

The first screen of the dashboard (URL: https://novitool.flexco.cloud) shows the number of Aero® presses that have been registered to your company account, shows the number of users that have been registered to your company account, and the Firmware Update History.



Managing & Adding Users

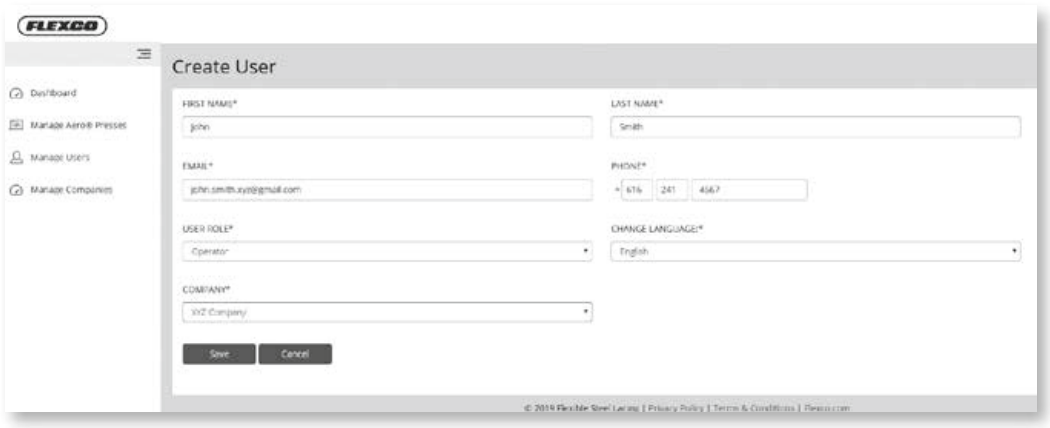
- Click on Manage Users in the left-side menu



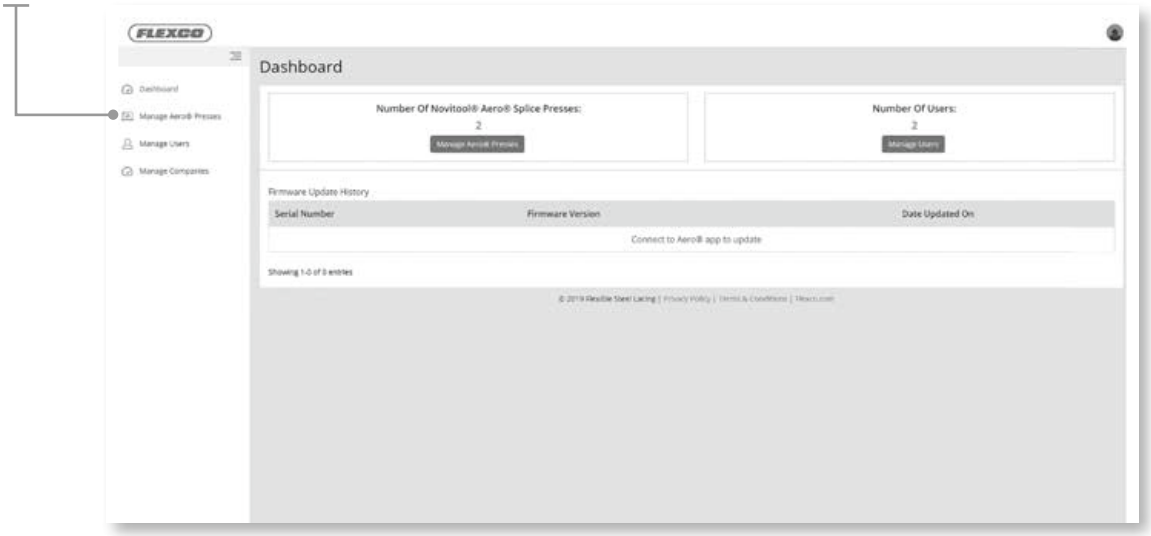
- There are two types of users in dashboard:
  1. **Company Admin**: role is responsible for managing presses and users by adding, updating, or deleting.
  2. **Operator**: role is read-only access. This role is not permitted to add, update or delete presses or users. May view users, presses, firmware update history, data cycle logs and data cycle log graphing capabilities.

- A Company Admin may create a new user. Click **Create User**.

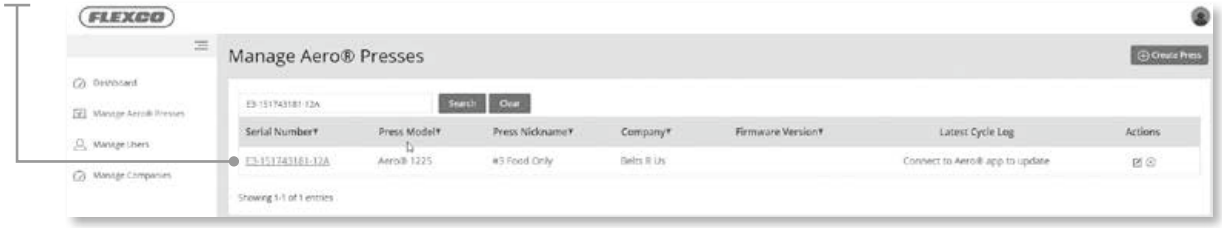
- Fill in detail in provided blanks and choose **Save** to complete addition of user.
  Note: *When adding a new user, the new user will receive an email invitation to join the dashboard and mobile app.*



Managing Presses on Dashboard



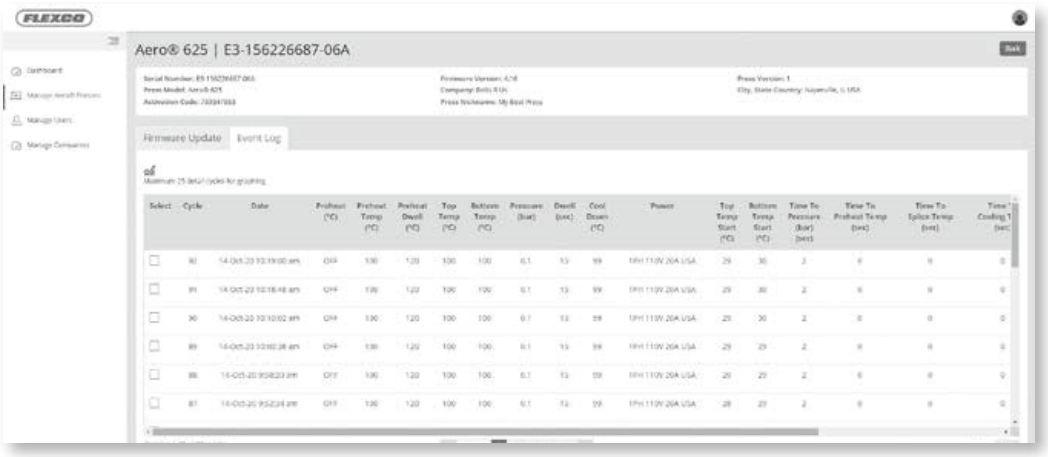
- To learn more about a specific press click on a press serial number.



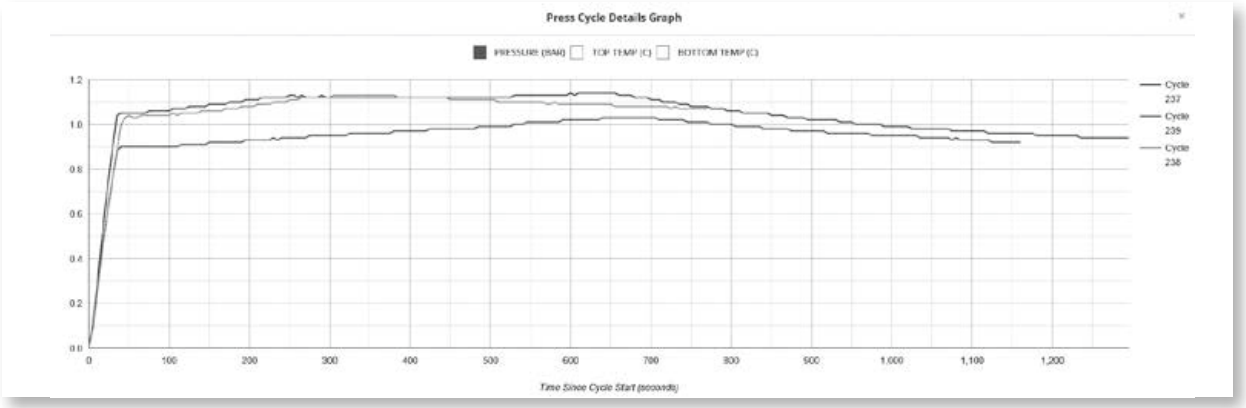
- Select Firmware Update tab to view firmware version. The version that is currently on the press is listed first along with a short description of the firmware update, who installed the latest firmware, and the date installed. Firmware updates occur due to continuous improvement of the press operation based on information gathered from customers, repairs, etc.

Note: *Always keep your Firmware Update to the current version. Use the mobile app to connect to presses that need Firmware Updates.*

- Select the Event Log tab to view splice cycle data. This view lists all splice cycle data that have been loaded from the press via the mobile app (see instructions how to upload from press starting on page 10). Splice cycle data includes the cycle, date, parameters entered for the splice recipe and actual splice cycle data including power, temperature, pressure, and times. Review of this data can assist with ease of splicing support and troubleshooting potential issues with the splice or press.

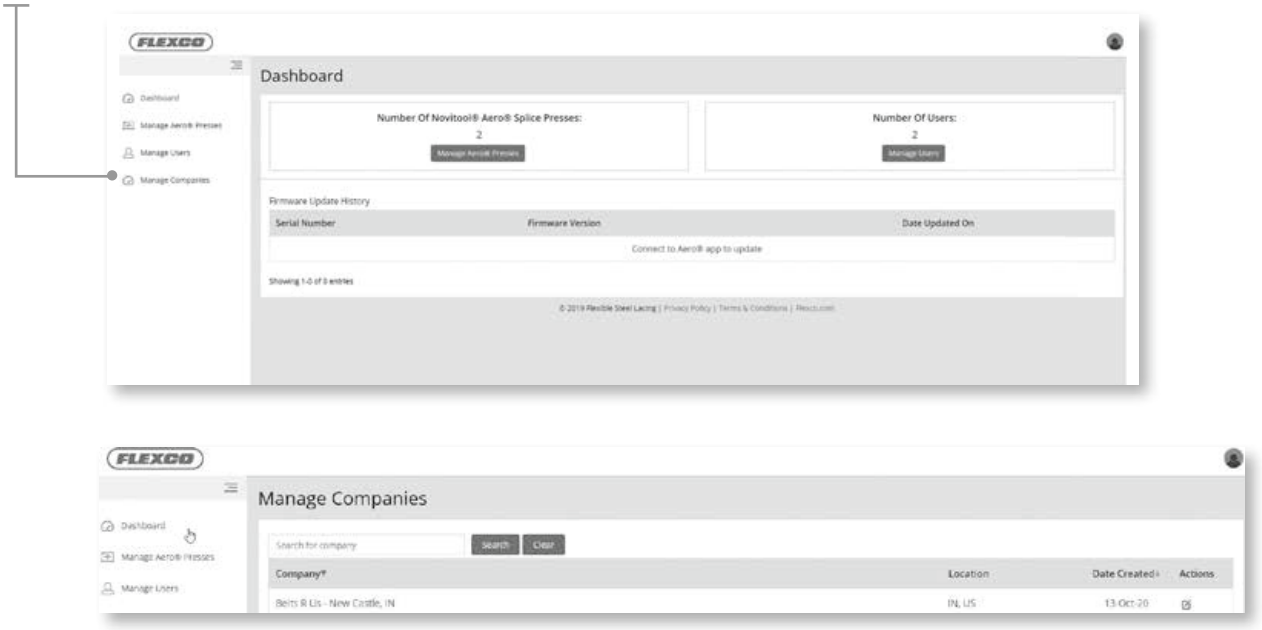


- Splice cycles may be viewed in a graph format. Select one or multiple cycles by selecting the check box next to the cycle number that are to be viewed.
  Note: Up to 25 splice cycles may be selected for graphing.
- The graph shows pressure and top and bottom temperature of the selected cycles. By hovering cursor on the graph line, X/Y coordinates can be viewed for that cycle.



Managing Companies on Dashboard

- Select **Manage Companies** from side menu to edit company information.



Contact Flexco's Customer Service if technical assistance is needed: www.flexco.com

Aero® Dashboard Troubleshooting Guide

Problem	Possible Cause	Possible Solution
Cannot access Dashboard URL	Incorrect URL entered	Go to https://novitool.flexco.cloud
Cannot login to Dashboard	No internet connection	Verify Wi-Fi/Cellular connection
	Declined Privacy Policy/EULA	Accept Privacy Policy/EULA
	Forgot username or password	User forgot password function with registered e-mail (username is your e-mail)
	Don't have username and password	Contact Flexco Customer Service to get added to dashboard
		Click "Create Account" button to fill in contact information
		Check spam folder to ensure you were not already invited to the dashboard
Aero® Press does not show in Dashboard	Aero® Press never created in dashboard	Go to Manage Presses, then Create Press to add Aero® Press to dashboard
	No internet connection	Verify Wi-Fi/Cellular connection
Cannot view Event Log in Dashboard	No internet connection	Verify Wi-Fi/Cellular connection
	Cycle logs were never pulled from Aero® Press	Connect to Aero® Press with mobile app and sync data cycle logs
	Cycle logs were pulled to mobile device, but never pushed to Cloud	In mobile device go to Offline Sync Logs and push data cycle logs to Cloud
Cannot view Firmware History	No internet connection	Verify Wi-Fi/Cellular connection
	Firmware was never updated on Aero® Press	Connect to Aero® Press with mobile app and update firmware
Cannot add new Users	No internet connection	Verify Wi-Fi/Cellular connection
	Your user role is Operator	Contact Company Admin to add new users
Cannot add new Press	The press was not initially registered with Flexco or the serial # and/or activation code was incorrectly entered	Make sure to register any new press with Serial # added correctly
		Contact Flexco Customer Service to get press added to Dashboard

Aero® Mobile App Troubleshooting Guide

Problem	Possible Cause	Possible Solution
Mobile App will not download	No internet connection	Verify Wi-Fi/Cellular connection
	Insufficient storage on smart device	Delete items on mobile device to create sufficient storage space
	Incompatible operating system	Verify that you have operating system Android 5.0 or newer, iOS 9.0 or newer
Cannot login to Mobile App	Forgot username or password	User forgot password function with registered e-mail (username is your e-mail)
	No internet connection	Verify Wi-Fi/Cellular connection
	Don't have username and password	Contact Flexco Customer Service to get added to Novitool® Aero® Splice Press Dashboard
		Click "Create Account" button to fill in contact information
Cannot connect to Aero® Press	Aero® Press is powered off	Power Aero® Press on
	Aero® Press is not within Bluetooth® range	Get within Bluetooth® range of Aero® Press (~50 ft/15 m)
	Bluetooth® dongle not plugged into Aero® Press	Plug in 09574 dongle into Aero® Press
	Damaged dongle	Replace 09574 dongle
	Bluetooth® turned off in mobile device	Turn Bluetooth® on in mobile device
	Aero® Press is not registered	Register Aero® Press using www.flexco.com/code
	Aero® Press not added into dashboard	Login to dashboard and go to Manage Presses, then Create Press
	Aero® Press is currently running a splice cycle	Allow Aero® Press to finish running splice cycle
	Another user is currently connected to Aero® Press	Verify that no other users are connected to Aero® Press, power cycle Aero® Press
	Incompatible firmware on Aero® Press	Ensure that firmware version on Aero® Press is 4.xx or higher
		If firmware version is less than 4.xx, contact Flexco Customer Service
	Bluetooth® not connected in the Mobile App	Within smart device go to Novitool app settings ensure Bluetooth® and permissions are allowed and then reopen Mobile App
Cannot update firmware	No/Slow internet connection	Verify Wi-Fi/Cellular connection
	No dongle plugged into Aero® Press	Plug in 09574 dongle into Aero® Press
	Bluetooth® turned off in mobile device	Turn Bluetooth® on in mobile device
	Outside of Bluetooth® range	Get within Bluetooth® range of Aero® Press (~50 ft/15 m)
	App non-response	Force-quit the app and restart (you may need to also restart the press)
Cannot upload data cycle logs	No/Slow internet connection	Verify Wi-Fi/Cellular connection
	No dongle plugged into Aero® Press	Plug in 09574 dongle into Aero® Press/Make sure press is on
	Bluetooth® turned off in mobile device	Turn Bluetooth® on in mobile device
	Outside of Bluetooth® range	Get within Bluetooth® range of Aero® Press (~50 ft/15 m)
	App non-response	Force-quit the app and restart (you may need to also restart the press)
My other press(es) is(are) not showing on the list	Press(es) was not added to dashboard	Go to Manage Presses, then Create Press to add Aero® Press to dashboard

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