

**CDAGeoV3TM**

**Software Operating Manual**

**Version 0.1**

**Date 18/10/2021**

Add device picture if applicable

Document Changes

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| --- | --- | --- |
| ***Version*** | ***Date*** | ***Changes*** |
| 0.1 | 18/10/2021 | First Draft |
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# Introduction

This document provides instructions for the operation of the new CDA (Cable Data Analysis) software.

The primary purpose of the CDA is to analyse data captured by the UltraScreen system, for analysis both during and after the manufacturing process. The software provides a variety of data such as the cable’s layer thicknesses, the cable concentricity, and others.

## Starting the Software

Double click the CDAGeoV3 desktop shortcut to start the software. Alternatively, the executable can be located at: “C:/Executables/CDAGeoV3/Release/CDAGeoV3.exe”. The software will take a couple of seconds to launch.



Figure - Desktop Shortcut

Once the software has loaded, the main form will appear.

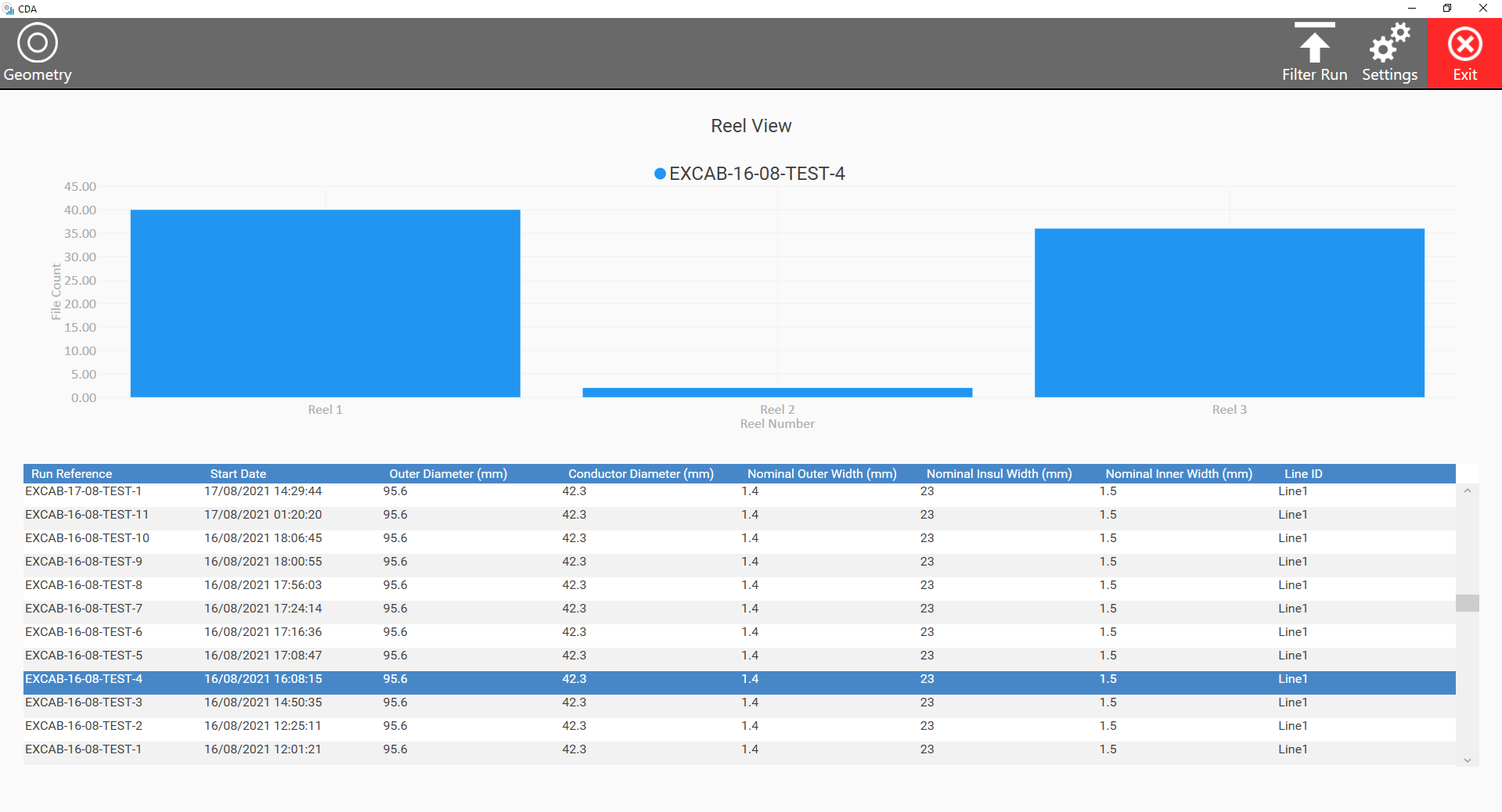


Figure - Reel View

### Selecting a Run

Runs can be analysed by being selected from the runs table. The selected run is highlighted in blue.

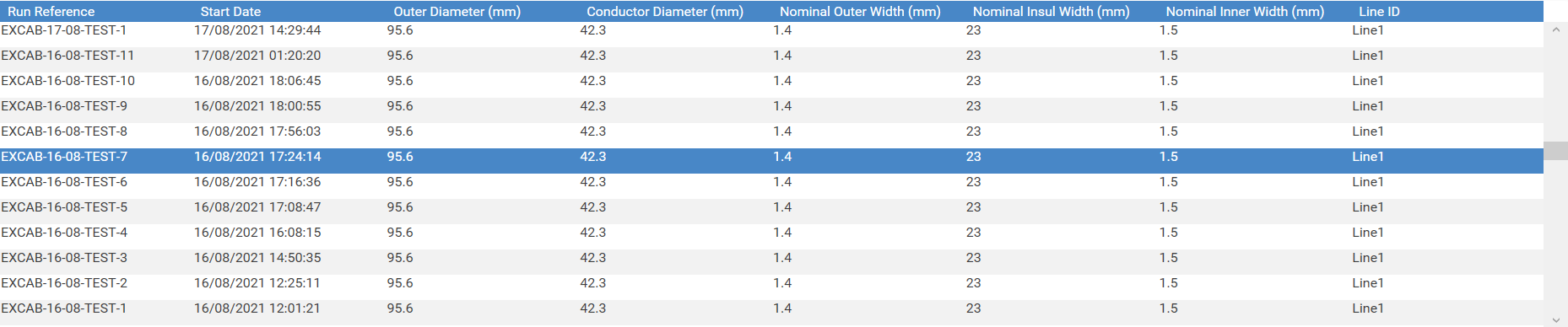


Figure - Select Run Grid

Once selected, the chart is updated with the individual reel data.

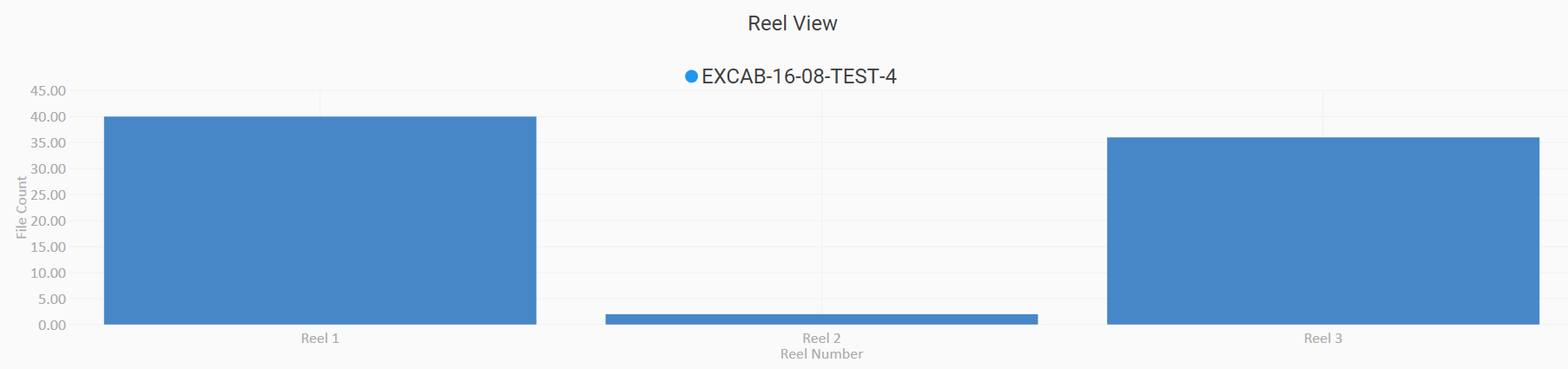


Figure – Reel Data Chart

### Changing Process Duration

To analyse individual reels or the entire run, the process duration can be changed with the ‘Settings’ button located in the top-right hand corner.



Figure - Settings Button

Upon clicking the Settings button, a pop-up is displayed. Hover over the ‘Process Duration’ text, then click on the appropriate setting.

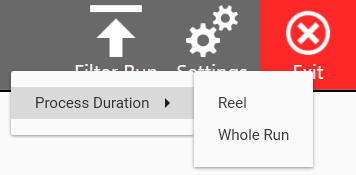


Figure - Changing Process Duration

### Filtering a Run

Filtering a run is a process usually undertaken when an older run is occupying unnecessary space on the local hard drive. Filtering the run will delete the raw and track files, which typically occupy gigabytes.

Note: If necessary, these files can be recreated at a later date by reprocessing the run (contact Acuity).

To filter a run, click the ‘Filter Run’ button at the top-right hand corner.



Figure - Filter Run Button

If there are no files to be deleted, a dialog window is displayed.

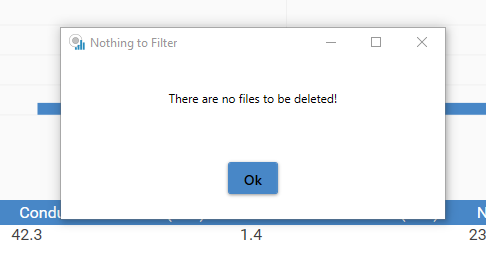


Figure - Nothing to Filter Dialog

Otherwise, a Filter Run dialog window is opened.

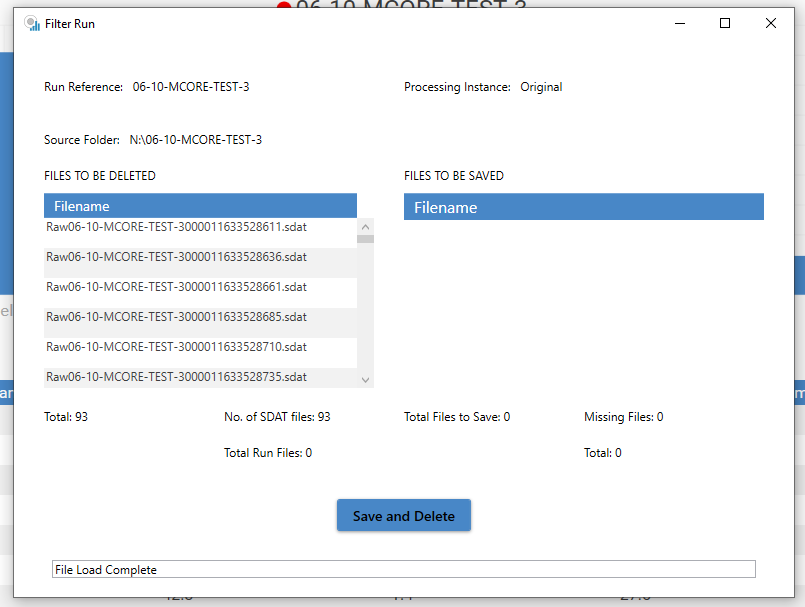


Figure - Filter Run Window

To Filter the run and delete the files, click the ‘Save and Delete’ Button.

## Caution and Warning templates.

Caution – Safety information to prevent damage to machinery

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Warning – Safety information to prevent operator injury or serious damage to the machinery.

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Caution Example

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|  | ***Always use the “Send to Load Position” control to send the scanning head to the cable load position. Do not attempt to load the cable with the scanning head in any other position. This could lead to the scanning head being out of alignment for the scan which could result in damage to the machine*** |

Warning Example

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| --- | --- |
|  | ***As soon as the “GO” button is pressed the scanning head will begin to move. To prevent injury or damage to the machine, make sure the path of the scanning head is free from obstruction.*** |

Use both caution and warning at the same time if necessary.

