

Final Inspection

A component of the Wheel Shop Management Suite (WSMS)

User Guide



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Introduction

Overview

The Final Inspection program is part of the Wheel Shop Management System. It allows you to collect all of the CEPM required data in one place using either manual entry or barcodes.

Layout

Final Inspection contains three main screen areas. The menu bar located across the top of the screen, the status bar located across the bottom of the screen, and the client area in between the menu bar and status bar. The menu bar is used for navigation between different functions. For more details see the topic on the Menu Bar. The status bar indicates the copyright information and version number. The client area is where the data collection and display screens are displayed. For more details see the topic on Final Inspection.

Interface

The day-to-day use is designed to be used with a touch-screen input device. Each data entry element provides an on-screen keyboard or numeric keypad to allow quick entry of data without the need to remove gloves or keep a keyboard clean. However setting Options or administrative functions may require a mouse and keyboard.

System Requirements

This application has minimum system requirements as described below. These requirements must be met in order for the application to operate as designed.

This application supports the following Microsoft Windows operating systems.

- Windows 7 ¹
- Windows Server 2008/2008 R2 1
- Windows Vista Business/Ultimate 1
- Windows Server 2003 SP2 1
- Windows XP SP3 1

The application requires the Microsoft .Net Framework 3.5 Full which can be obtained from Microsoft at <http://www.microsoft.com/en-us/download/details.aspx?id=17718>

The application requires the following hardware at a minimum.

- 2.0 GHz Processor
- 1 GB installed RAM
- 100 MB available disk space
- Ethernet Card

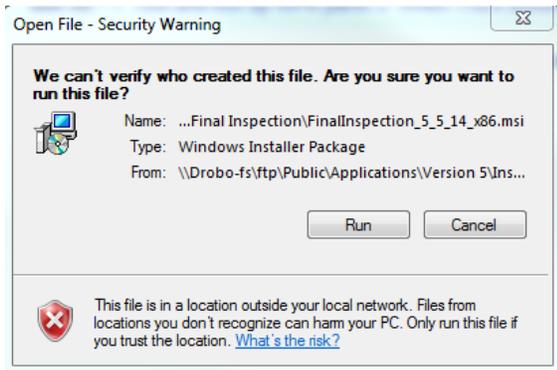
¹ When installed on a 64 bit operating system, the application will run in a subsystem of Windows called WOW64 (Windows-on-Windows 64 bit). WOW64 is included on all 64 bit versions of Windows and is designed to make differences between the operating systems transparent to the user.

Getting Started

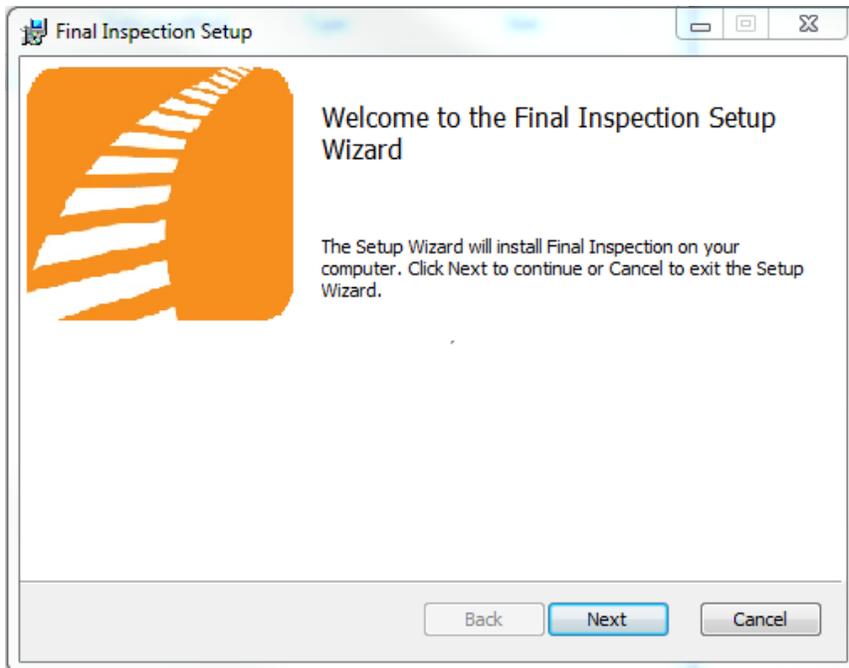
Installing Final Inspection

You will need Administrator rights to install Final Inspection.

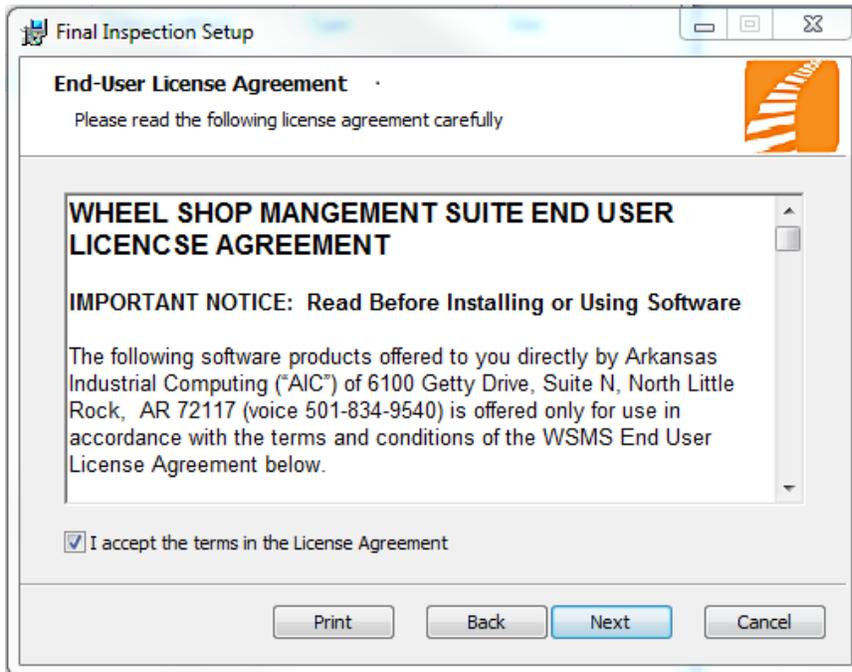
Make sure you have the latest version of our Final Inspection Setup program. [Contact](#) our support team for assistance. To install Final Inspection, run the setup program and follow the on screen prompts as described below:



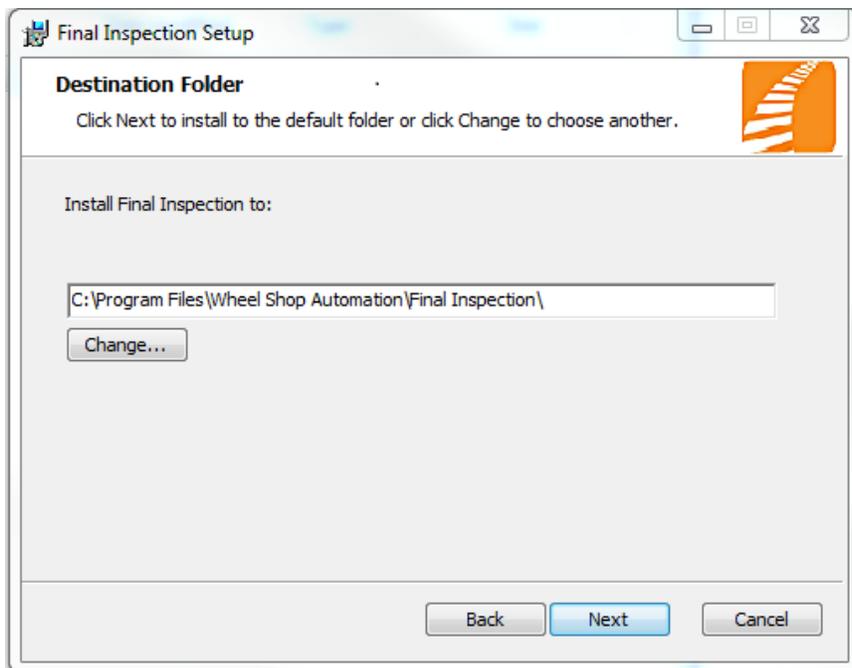
Click Next to continue.



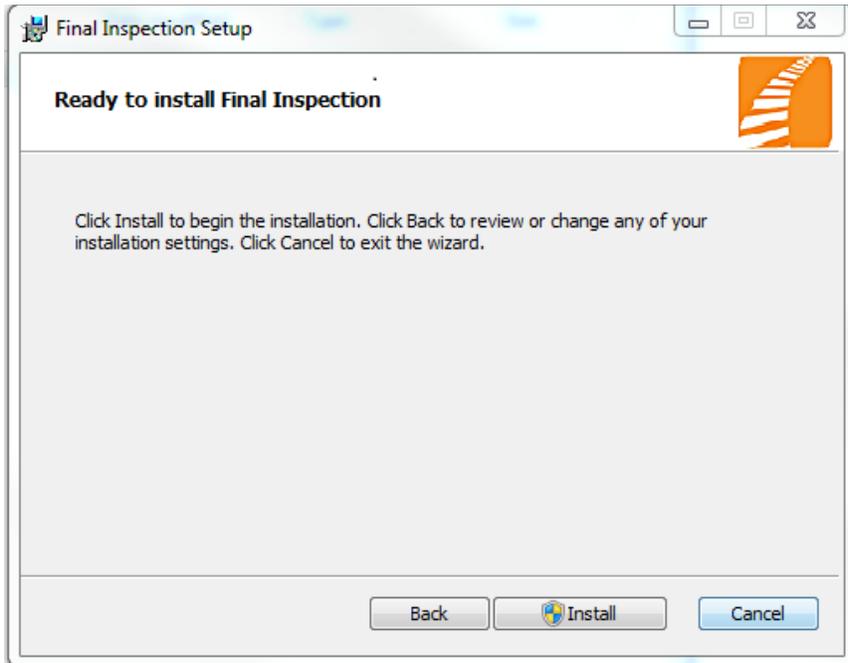
Accept the license agreement and click Next.



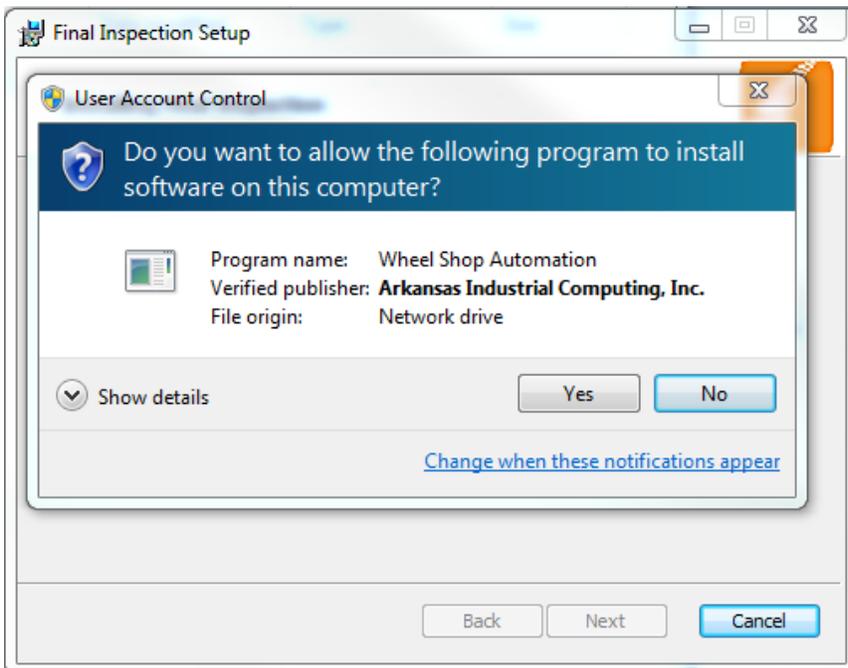
Select the location where you would like to install Final Inspection to and click Next.



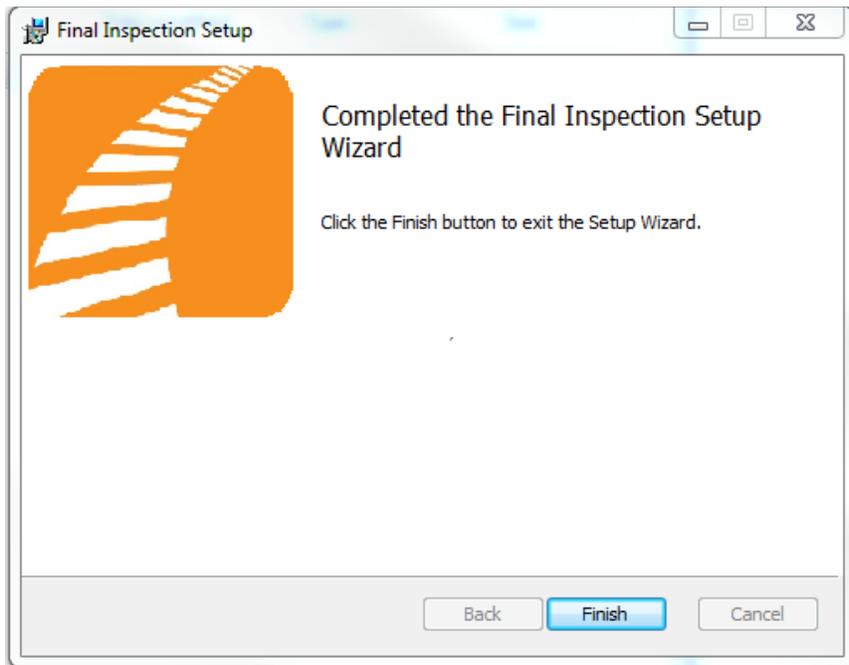
Click Install to begin the installation.



You may be asked to allow the setup program to install Final Inspection on your computer. Select Yes.



When the installation has completed, click Finish to close the setup application.



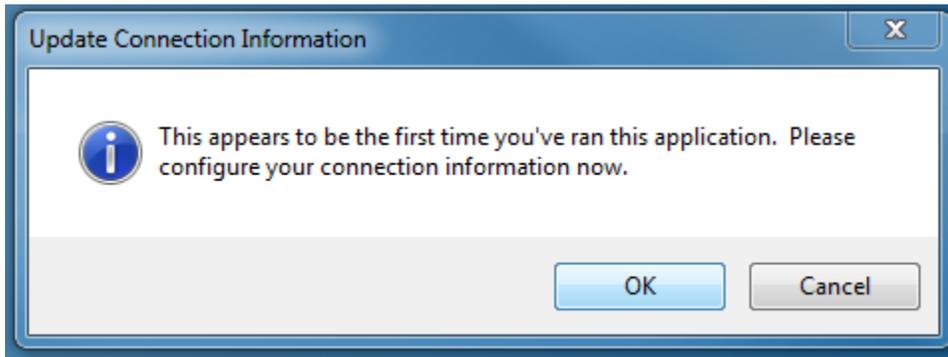
Initial Setup

Once you have installed Final Inspection you can double click the desktop shortcut to start the application.

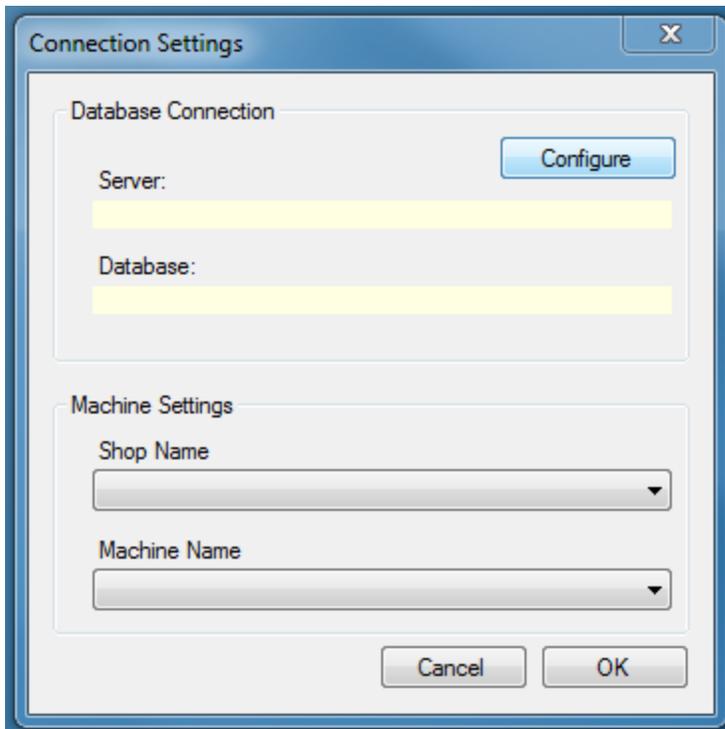
Database Connection Settings

Final Inspection requires access to an instance of the WSMS database which can be installed on the same computer or any computer with network access and the required permissions. The first time you run Final Inspection you will be prompted to enter your database connection settings.

Click OK to display the Connection Settings dialog.



In the Connection Settings dialog, click Configure.



Enter the connection settings for the server where the WSMS database is located. If you are unsure contact your IT Department or our [support team](#).

Click Test Connection to verify your settings.

Click OK when you are finished.

Configure Server Connection

Server Name

Refresh

Log on to the server

Use Windows Authentication

Use SQL Server Authentication

User Name: wsmlogin

Password: ●●●●●●●

Save my password

Connect to a database

Select or enter a database name

Attach to a database file

Browse

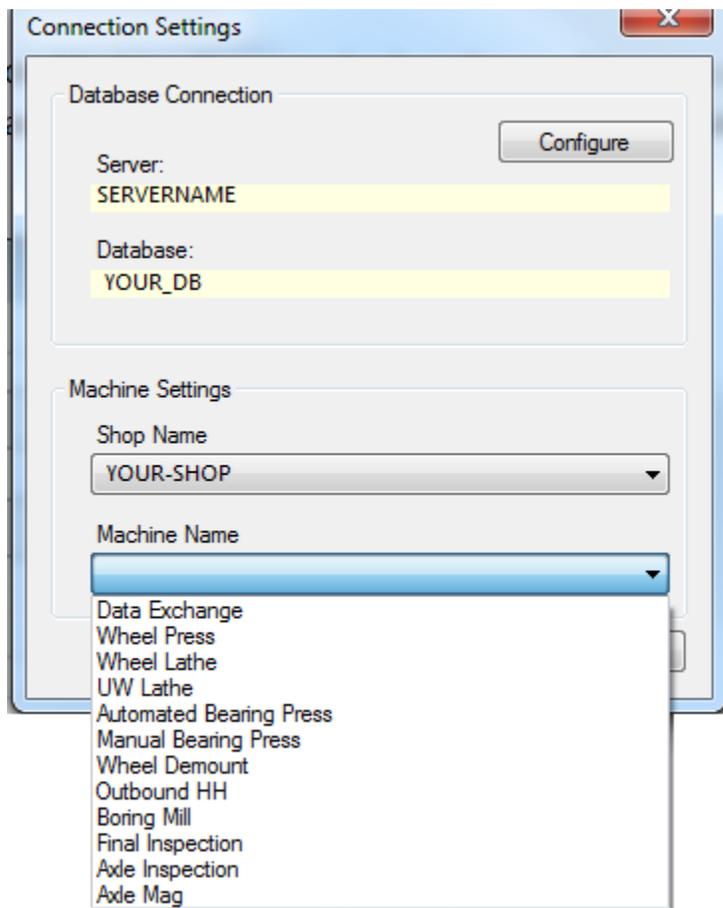
Logical Name

Test Connection

OK Cancel

Click the Shop Name drop down to select the location for which you want to configure this installation. WSMS can support multiple locations or 'shops' hosted in one database. In order to isolate the data and settings to your location you must provide this information.

After you have selected the Shop Name click on Machine Name and select the machine you are installing on. Some settings are stored per machine so this setting will be used to differentiate each installation.



Click OK to save your changes.

Once you have entered your database settings you will be taken to the Log On screen. This will be the first screen you see each time you run Final Inspection. The following section describes the [Log on/Log off](#) procedures.

Log on / Log off

Each user is given a unique user name and password for the WSMS system for authentication and accountability. You must provide your user name and password each time Final Inspection starts before you can begin. Your log on also determines what functions you have permissions to perform. If you do not have this information, contact your manager or a system administrator.

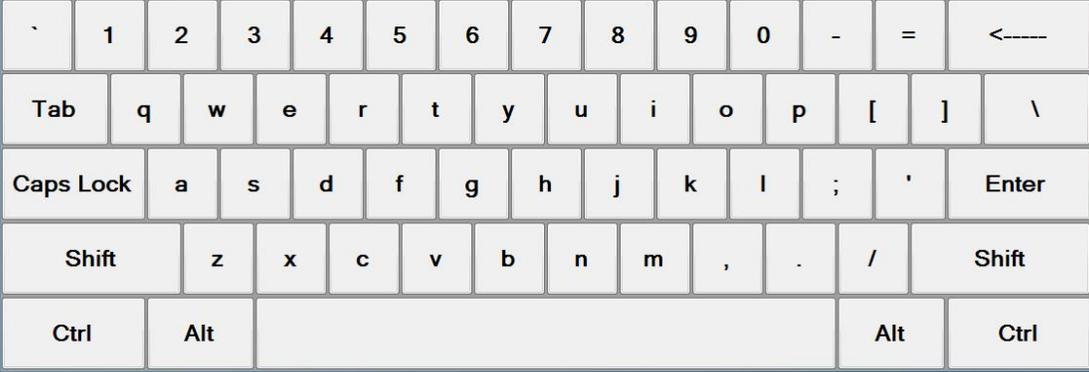
A component of the Wheel Shop Management Suite™

Please Log On

Shift:

Name:

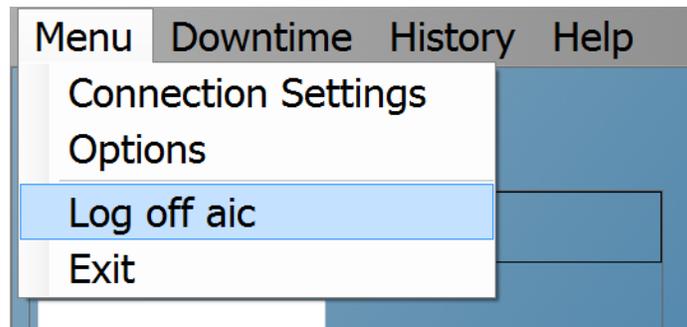
Password:



 WheelShop automation.com
DATA COLLECTION • AUTOMATION

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When working in Final Inspection, to log off the current user select Log off from the File menu.



Find Wheelset

In many cases, it is necessary to locate the record for a wheelset before being allowed to enter additional data. In order to locate a wheelset, a unique identifier must be scanned or typed in.

There are two primary methods for locating wheelset records. The first is by scanning or entering the Component ID. Typically this is a barcode label or RFID tag affixed to the axle or wheel plate. Alternately, the wheelset serial number and manufacture information can be used to identify the wheelset.

Find by Component ID

To find a wheelset by Component ID, select the Find screen if it is not already displayed.

On the Find Wheelset screen, make sure that 'Barcode' is selected from the dropdown menu beneath the 'Scan or enter a barcode' text.

The screenshot shows the 'Final Inspection' software interface. At the top, it says 'Final Inspection' and 'A component of the Wheel Shop Management Suite™'. Below that, the instruction 'Scan or enter a barcode' is displayed. A dropdown menu is set to 'Barcode'. There is a 'Clear' button to the left of a text input field and a 'Search' button to the right. A virtual keyboard is overlaid on the screen, and an 'Enter New Wheelset' button is at the bottom center.

Locate the Component ID that has been applied to the wheelset and scan the barcode. If the barcode does not scan successfully, you must enter the Component ID by hand. Once the Component ID has been entered, click Search. If Final Inspection is set to bring the Search for Wheelset form when a user first logs in, the button "Enter New Wheelset" appears, which allows the user to enter a new wheelset rather than searching for an old one.

Find by Serial Number

To find a wheelset by its serial number, select Wheel Serial Number from the dropdown box.

Final Inspection
A component of the Wheel Shop Management Suite™

Scan or enter a barcode

Wheel Serial Number

Clear Mfg Serial # Month Year Search

Enter New Wheelset

To search for a wheelset using the wheel serial number and manufacture date you can scan the manufacturer's barcode label if available. If the label is unavailable or unable to be scanned you must enter the information by hand. Wheel serial numbers typically consist of 5 or 6 digits and are stamped on or near the wheel hub.

- Make sure the combo box under Scan or enter a barcode is set to Wheel Serial Number.
- Enter the wheel's manufacturer.
- Enter the Serial Number using the on screen keyboard.
- Enter the month of manufacture as two digits (01-12).
- Enter the year of manufacture as two digits (00-99).
- Click Search or press Enter to begin the search.

Data Entry

The screenshot shows the 'Final Inspection' software interface. It is titled 'Final Inspection' and is a component of the 'Wheel Shop Management Suite'. The interface is organized into several sections, each with a vertical label on the left: 'Wheelset', 'Axle', 'Wheel 1', 'Wheel 2', 'Bearing 1', and 'Bearing 2'. Each section contains various data entry fields, including dropdown menus, text boxes, and date pickers. Red boxes highlight the required fields. A search bar is located at the top right, and 'Copy', 'Cancel', and 'Save' buttons are at the bottom.

This screen is intended to collect wheel, axle, and bearing data at the Final Inspection station. All data highlighted in red is required to be entered. An administrator can choose which fields are required by using the Administrator Menu. Refer to the descriptions below for the data available to be collected.

If the manufacturer or reconditioner of the wheelset provides barcodes that contain any of the above information, a barcode scanner can be used to read this data from the barcode and populate the data entry fields automatically, saving the operator time and eliminating data entry errors. For more information on this see the section on Barcode Labels.

Wheelset

- Component ID – A unique ID given to each wheelset to track them as they go through the shop. It is typically a barcode label or RFID tag affixed to the wheelset, and contains a unique string of characters (letters and/or numbers)
- Customer – The customer that will be receiving the wheelset after it is finished, or Stock if the customer is unknown.
- WIP ID – The work in Progress ID that is used to track the wheelset throughout the shop. It is typically a barcode label or RFID tag affixed to the wheelset, and contains a unique string of characters (letters and/or numbers)
- Customer ID – An optional value to give to a wheelset to indicate which customer the wheelset is for.

- Disposition – The status of the wheelset after it has been cut. Typically Good, Scrap, or Recut Later. Only wheelsets marked Good can have bearing data recorded. See Misfit and Scrap Wheelsets for more information.
- Comment – Any comments or notes regarding the current wheelset.

Axle

- Size – The journal size of the axle. The corresponding axle class is displayed beside the journal size.
- Condition – Second Hand, New, Reconditioned
- Manufacturer – The axle manufacturer’s shop code or abbreviation.
- Month/Year – The month and year the axle was manufactured
- Heat Grade – The heat grade of the axle: F, G, or H
- Body Design – The body design of the axle, such as D, K, K+, etc.
- Serial # - The serial number stamped on the end of the axle at the time of manufacture.

Wheels

- Type – The wheel design designation used to describe rim type and wheel diameter.
- Class – The heat treatment class used at the time of manufacture.
- Condition – New, Reconditioned
- Plate Type – The value that represents whether a wheel’s plate is curved or straight
- Bore Size – The size of the hole bored into the wheel, typically measured in eighths of an inch.
- Manufacturer – The wheel manufacturer’s shop code or abbreviation.
- Serial # - The serial number stamped on the wheel hub at the time of manufacture.
- Month/Year – The month and year of manufacture.
- Heat # - The heat number of the metal used to manufacture the wheel.
- Tape size – The tape size of the wheel
- Radial – The radial run-out of the wheel
- Plane – The plane run-out of the wheel
- Rim – The thickness of the wheel’s rim as measured using a steel wheel gauge. Typically entered in sixteenths of an inch.
- Flange – The thickness of the wheel’s flange as measured using the finger of a steel wheel gauge.

Bearings

- Condition – New or Reconditioned
- Manufacturer/Reconditioner – The name or shop code of the bearing manufacturer or reconditioner.
- Journal – The size of bearings that have been mounted. This is the same as the journal size of the axle. The journal class is located beside the drop down box. After a journal size has been selected the journal class must match the axle class of the wheelset, or the data cannot be saved.

- Certificate # - This is an identifying number assigned to the original bearing manufacture. It is typically on the label provided by the manufacturer or reconditioner.
- Cage Type – The type of material the inner cage is made from. Typically Steel or Polymide.
- Seal Type – The type of seal used in the bearing.
- Ring Type – The type of backing ring used in the bearing. Typically Non-Fitted, Fitted, Surefit, or True Fit.
- Grease Type – The type of grease used in the bearing.
- Month/Day/Year – The date that the bearing was manufactured/reconditioned. If only the month and year are available the day defaults to 1.
- Serial Number – The serial number stamped on the outer ring at the time of manufacture.
- Month/Year – The month and year stamped on the outer ring at the time of manufacture.
- Lateral – The amount of mounted lateral play in the bearing in thousandths of an inch.
- Premium – Indicates if the bearing exceeds AAR Specifications for allowable defects.

Buttons

- Save – Stores the current data to the database and clears the form for the next wheelset.
- Cancel – Clears the form for the next wheelset without saving the data. All changes will be lost.
- Copy – Copies the bearing information from one section to another, in the direction that the arrow indicates.

Requirements Met Status

For each wheelset component, the label will change color depending on the requirements met status.

- The label will turn **GREEN** when all required fields have been filled.
- The label will turn **RED** when all required fields have NOT been filled.
- The label will remain grey if there are no required fields.

Wheelset Queue

The screenshot shows the 'Final Inspection' software interface. At the top, it says 'Final Inspection' and 'A component of the Wheel Shop Management Suite™'. Below that is the 'Wheelset Queue' section. It features a table with three columns: 'Sequence Number', 'Mount Timestamp', and 'Misfit'. The first row is selected and highlighted in blue, showing '2', '6/25/2012 1:28 PM', and '0'. The second row shows '3', '6/25/2012 1:32 PM', and '10'. To the right of the table is a 'Wheelset' panel with four buttons: 'Use Selected', 'Create New', 'Search', and 'Delete'. Below the table are two buttons: 'Refresh' and 'Pause Timer'.

Sequence Number	Mount Timestamp	Misfit
2	6/25/2012 1:28 PM	0
3	6/25/2012 1:32 PM	10

Final Inspection offers a wheelset queue, which is to be used with fully automated wheel presses. The screen brings up the queue of wheelsets in the order that they have been pressed and starts a 30 second timer. At the end of the timer, no matter what's selected, it brings up the Data Entry screen for the wheelset at the top of the queue. The screen then disappears until the operator scans all the information in and saves the wheelset.

Buttons

- Refresh – Refreshes the queue of wheelsets on the screen.
- Pause Timer – Pauses the 30 second timer that brings up the top wheelset when it ends.
- Use Selected – Brings up the data entry screen for the selected wheelset.
- Create New – Adds a new, blank wheelset to the queue.
- Search – Brings up the Find Wheelset screen and allows the operator to search the database for a wheelset.
- Delete – Deletes a wheelset from the queue

Misfit and Scrap Wheelsets

ERROR

This wheelset has a misfit. You must correct this misfit before applying bearings.

WIP ID: <input style="width: 90%;" type="text"/>	Axle Size: <input style="width: 80%;" type="text" value="6.0x11"/> <input style="width: 10%;" type="text" value="K+"/>
Disposition: <input style="width: 90%;" type="text" value="Misfit"/>	Customer: <input style="width: 90%;" type="text" value="Stock"/>
Comment: <input style="width: 95%;" type="text" value="10000163/10000162 demounted on 6/24/20"/>	Customer ID: <input style="width: 95%;" type="text"/>

Wheel 1: 10000163 (169)

US Time vs INCHES

Wheel 2: 10000162 (103)

US Time vs INCHES

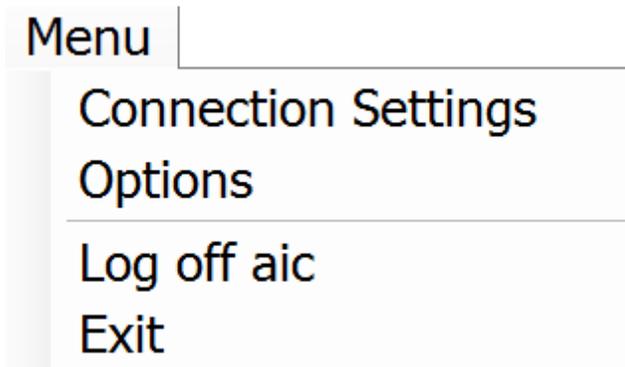
Bearings should not be mounted on a wheelset that has a misfit during the wheel mount, or any wheelset that does not meet the required conditions after being cut in the wheel lathe. If a wheelset is found that either has a misfit wheel mount, or has a disposition other than 'Good', you must correct the problem before you are allowed to enter bearing information.

The mounting charts are displayed for new mounts. Cut information is displayed for cut wheels. Review the data available to determine the required course of action, and then press 'OK' to return to the Find Wheelset screen.

Menu Bar

The menu bar contains four options which are described below.

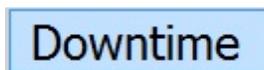
Menu



- *Connection Settings – Opens a menu to change the database connection settings.
- *Options – Opens the Options dialog to configure the application.
- Log off – Logs off the currently logged on user and disables all menu items that require security permissions.
- *Exit – Close the application and return to the Windows desktop.

* Administrator privilege required.

Downtime



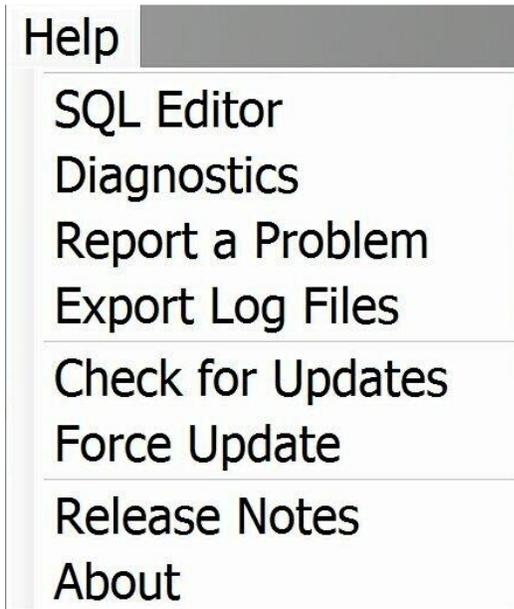
- Opens the Downtime screen, which is used to track machine downtime. For more information see [Downtime](#) section.

History



- By Day – Displays a tabular view of all [component]s processed from this station.

Help



- *SQL Editor – A diagnostics tool for troubleshooting database related issues.
- Diagnostics – Opens the Diagnostics screen.
- Report a Problem – Opens an email dialog and allows the user to report a problem by email. The email will include a .zip archive containing the application log files.
- Export Log Files – Allows the user to export log files to a .zip archive in a user-selected directory.
- Check for Updates – Checks if a newer version of the application is available for download.
- *Force Update – Updates the application to the currently available version, even if that version is older than the currently running version.
- Release Notes – Displays the Release Notes dialog.
- About – Displays the About dialog.

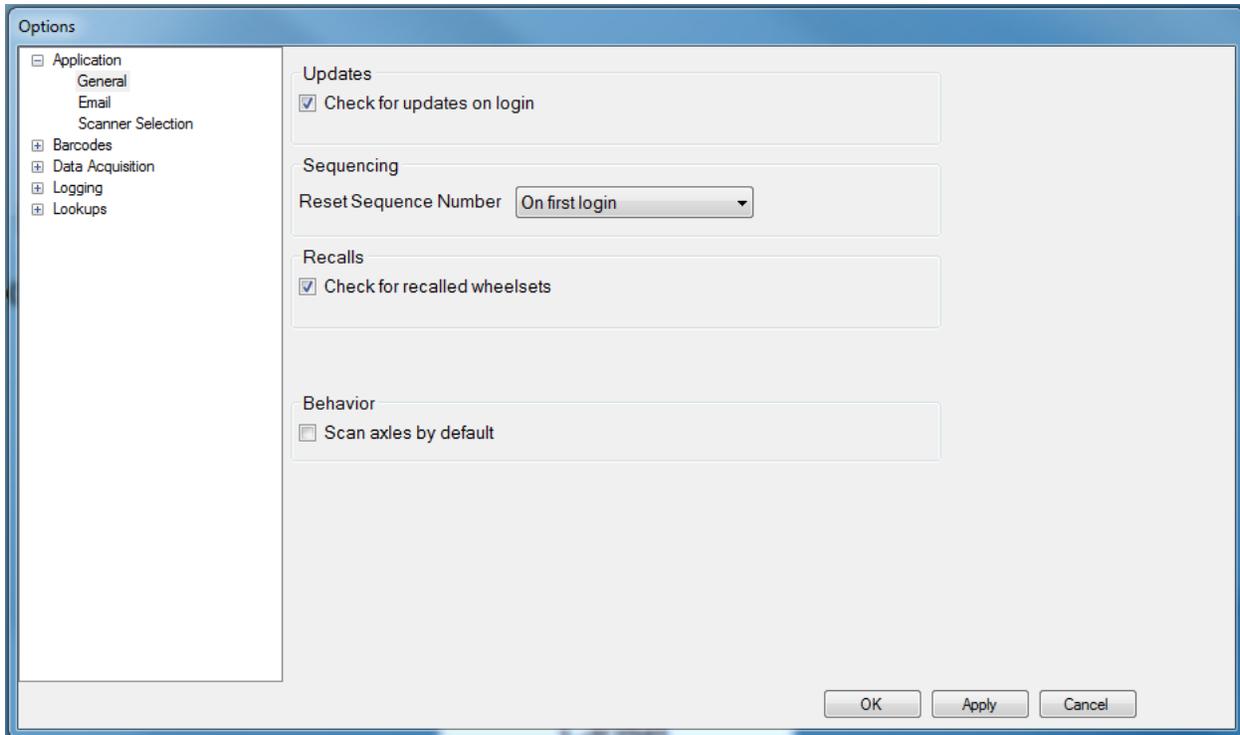
*Administrator privilege required.

Options

The Options dialog is used to configure certain aspects of the application, as described in the following sections.

Application

General



- Check for updates on login – When checked, the application will check to see if a newer version exists each time a user logs in. If a newer version exists the operator is prompted to update.
- Reset Sequence Number – Determines when to reset the machine’s sequence number, if relevant.
- Recalls – When checked, the application will check for recalls.
- Scan [component]s by default – When checked, sets the default page to the Find [Component] screen rather than the Data Entry screen.

Email

The screenshot shows a software configuration window titled "Options" with a tree view on the left. The "Email" option is selected. The main area contains two sections: "SMTP Server" and "Email Settings".

SMTP Server

- Server host name: [Text Input]
- Port: [Text Input, value: 0]
- Requires SSL
- User name: [Text Input]
- User password: [Text Input]
- Confirm password: [Text Input]

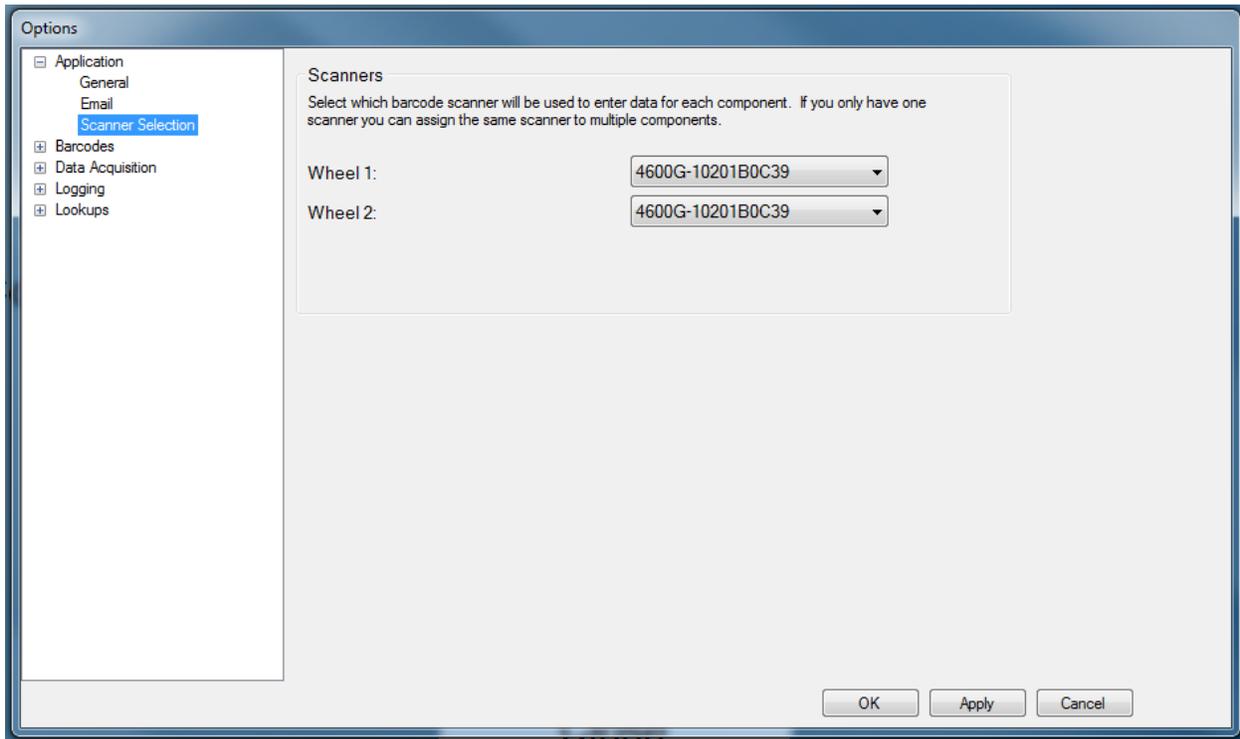
Email Settings

- Reply To Address: [Text Input]
- Display Name: [Text Input]
- Use as default

Buttons: OK, Apply, Cancel

- Server host name – Determines the SMTP server host domain name to use for outgoing mail.
- Port – Sets the port to use for outgoing mail.
- Require SSL – Determines whether outgoing mail should use Secure Socket Layer encryption.
- User Name – Sets the user name to use for authentication when connecting to the outgoing mail SMTP server.
- Password – Sets the user Password to use for authentication when connecting to the outgoing mail SMTP server.
- Reply-To Address – Sets the Reply-To mail address for outgoing mail messages.
- Display Name – Sets the Display Name for outgoing mail messages.
- Use as default – Determines whether these settings should be used by default for all users.

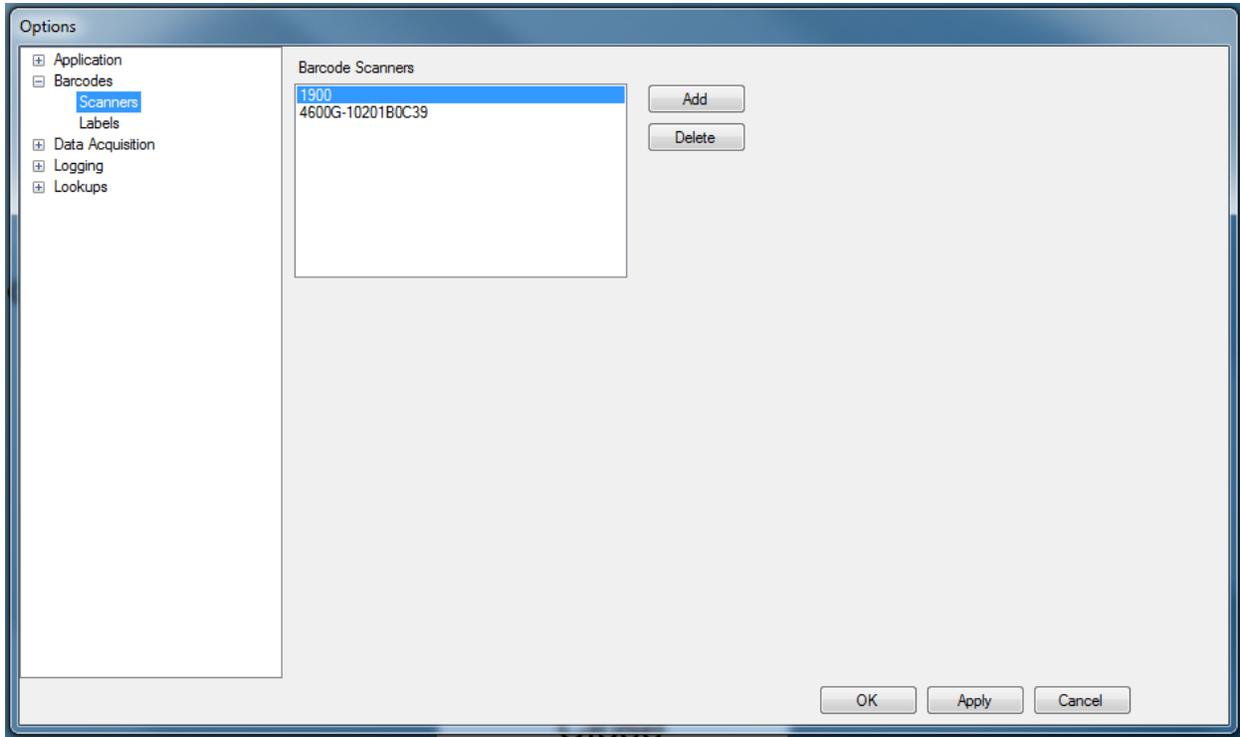
Scanner Selection



- Scanners – Allows you to assign scanners to certain data.

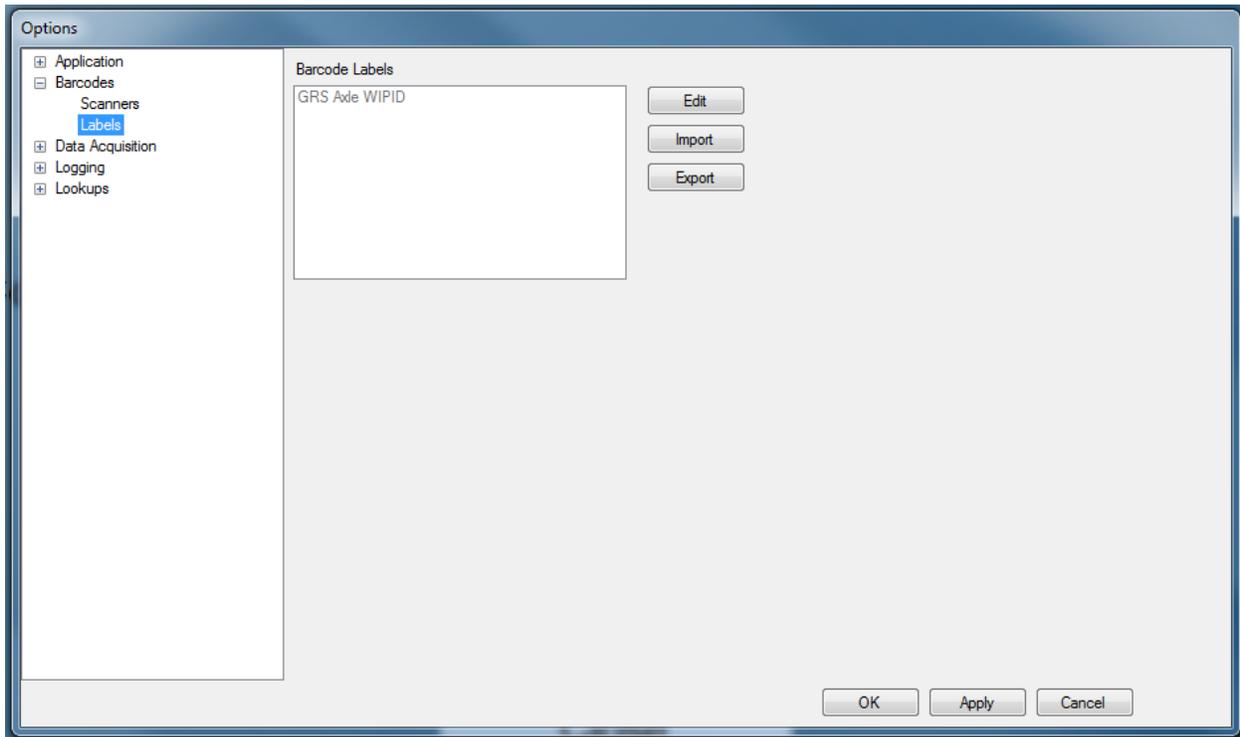
Barcodes

Scanners



- Barcode Scanners – Lists all scanners currently configured for use with the application.
- Add – Configure a new barcode scanner for use with the application.
- Delete – Remove a barcode scanner from use.

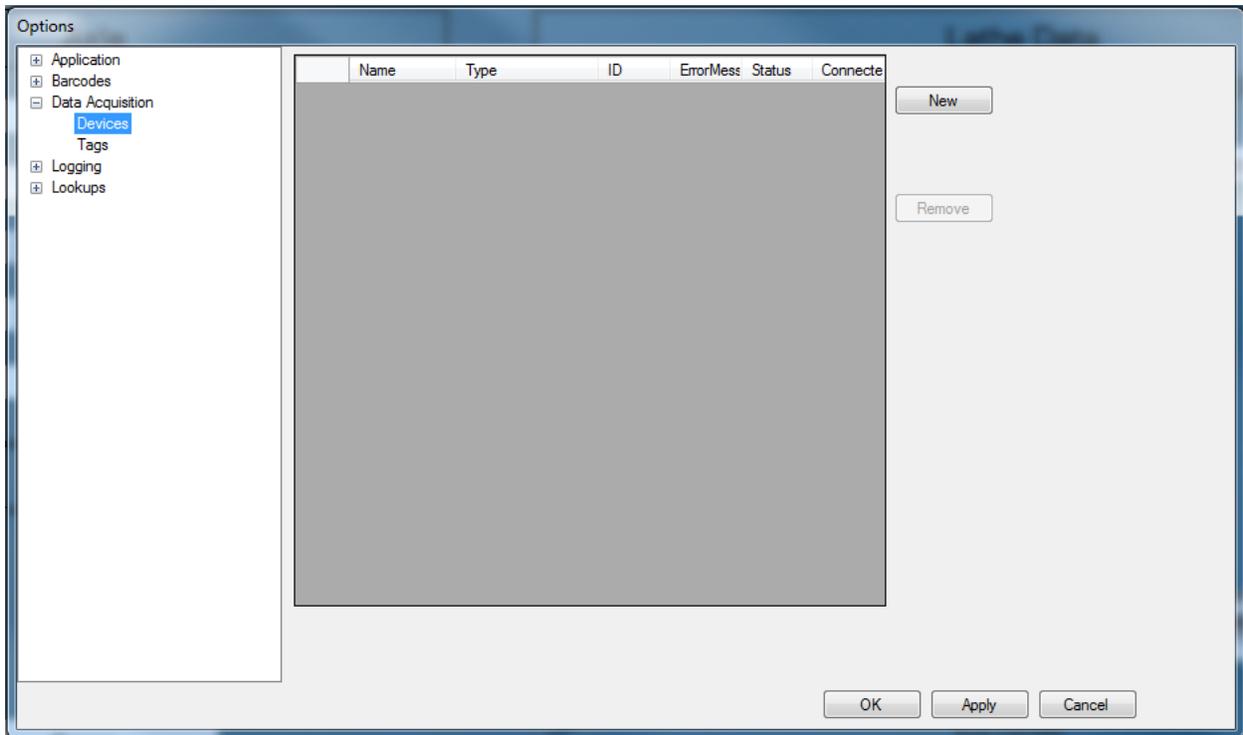
Labels



- Barcode Labels – Lists all barcode labels currently configured for use with the application.
- Edit – Opens the Define Barcode label Pattern wizard dialog.
- Import – Opens the Import Barcode Definitions dialog.
- Export – Opens the Export Barcode Definitions dialog.

Data Acquisition

Devices



- New – Adds a new data acquisition device to the list, such as a PLC, OPC server, or data acquisition card.
- Remove – Removes the selected device from the list.

Tags

The screenshot shows a software interface titled 'Options' with a tree view on the left containing 'Application', 'Barcodes', 'Data Acquisition', 'Devices', 'Tags' (highlighted), 'Logging', and 'Lookups'. The main area is for configuring a 'Tag'. It includes a 'Tag' section with 'Name' and 'Description' text boxes, and a 'Data Source' section with a 'Device' dropdown and an 'Address' text box. There are 'Accept', 'Discard', and 'New' buttons on the right. Below the form are icons for 'Delete', 'Clone', and 'Refresh'. At the bottom right are 'OK', 'Apply', and 'Cancel' buttons.

Tag Name	Description	Item	Value	Deadband
----------	-------------	------	-------	----------

- New – Creates a new data tag, using the selected name, description, device, and address.
- Accept – Accepts any changes applied to a tag.
- Discard – Discards any changes applied to a tag.
- Delete – Deletes the selected tag from the list
- Clone – Makes a copy of the selected tag in the list
- Refresh – Refreshes the tag list.

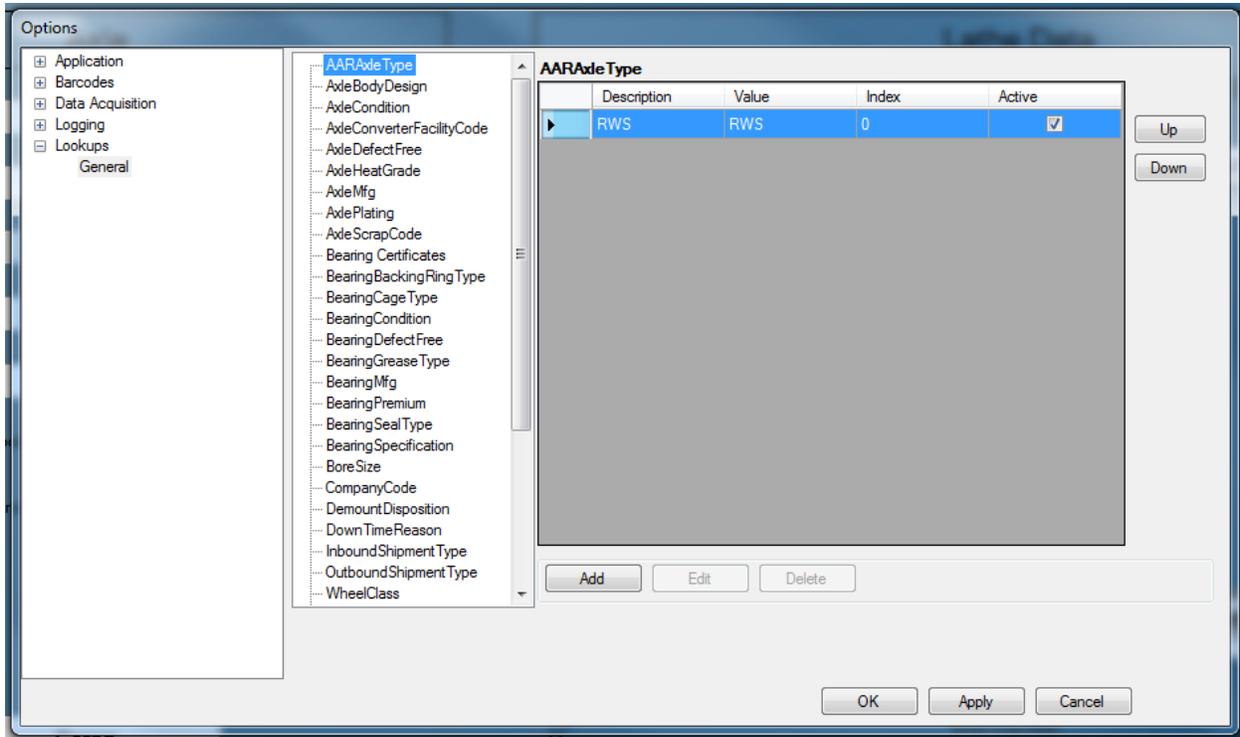
Logging

Logging

- Reserved for future use.

Lookups

General



- Add – Adds a new lookup item to the selected lookup name.
- Edit – Modifies the selected lookup item.
- Delete – Removes the selected lookup item.
- Up – Moves the selected item up in the list.
- Down – Moves the selected item in the list.

Downtime

Menu Downtime History Help 3/13/2013 2:39:39 PM

Machine Downtime

This machine was last out of service on 3/13/2013 12:49:42 PM

Reason: Select ...

Comment:

SET OUT OF SERVICE

Close

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The Downtime menu option allows you to set, end, and track downtime for any number of causes.

Set Out of Service

Reason: Select ...

Comment: Select ...

- Machine Repair
- No Material
- Tool Change
- Change Over
- Other

SET OUT OF SERVICE

To set the machine out of service, select the Reason from the dropdown list. Additional Reasons can be added with Shop Manager. You can also add a comment using the Comment text box. Once you have selected a reason and entered any comments, click SET OUT OF SERVICE to set the machine's status to 'Out of Service'.

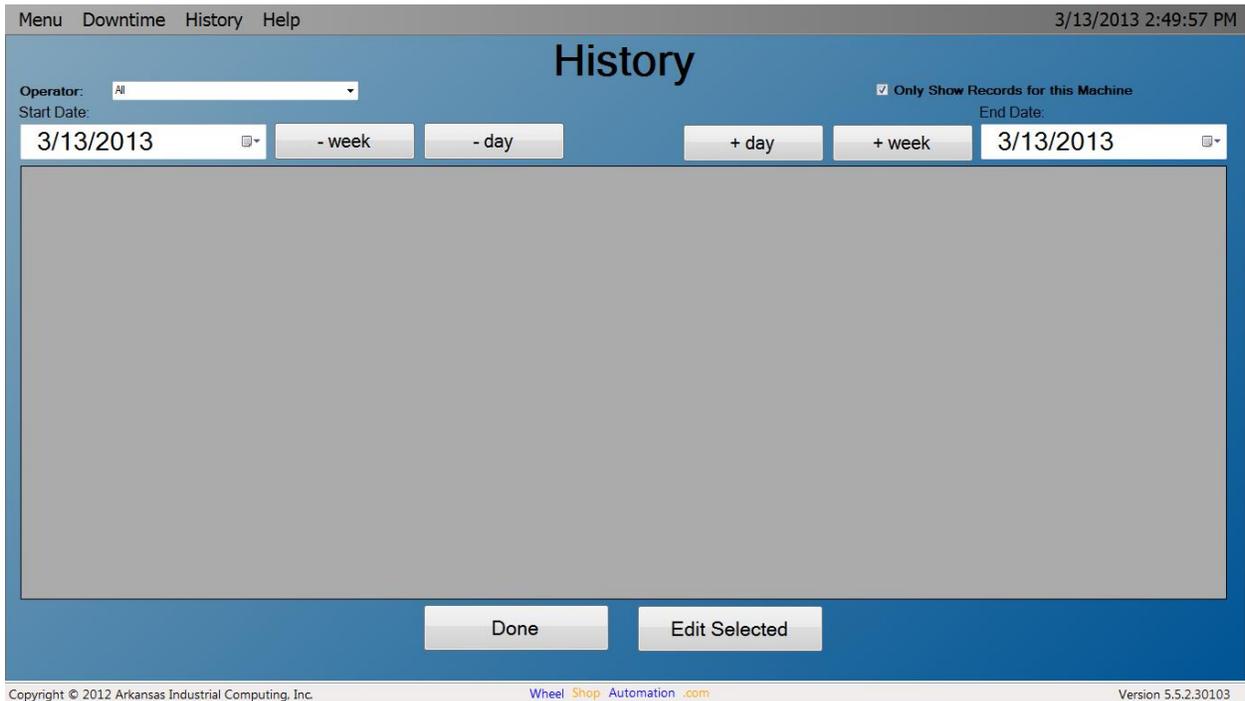
Return to Service

The screenshot shows a software interface with a dark blue background. At the top, there is a navigation bar with 'Menu', 'Downtime', 'History', and 'Help' on the left, and the date and time '3/13/2013 2:45:22 PM' on the right. The main content area is titled 'Machine Downtime' in large white text. Below this, it says 'OUT OF SERVICE' in bold white text, followed by 'This machine has been out of service for ...' and '12 seconds'. A list of details follows: 'Operator: aic', 'Reason: Other', and 'Comment: Need to get screenshot of OOS screen for guide template.'. At the bottom center, there is a large white button with the text 'RETURN TO SERVICE'. The footer contains copyright information: 'Copyright © 2012 Arkansas Industrial Computing, Inc.', the website 'Wheel Shop Automation .com', and 'Version 5.5.2.30103'.

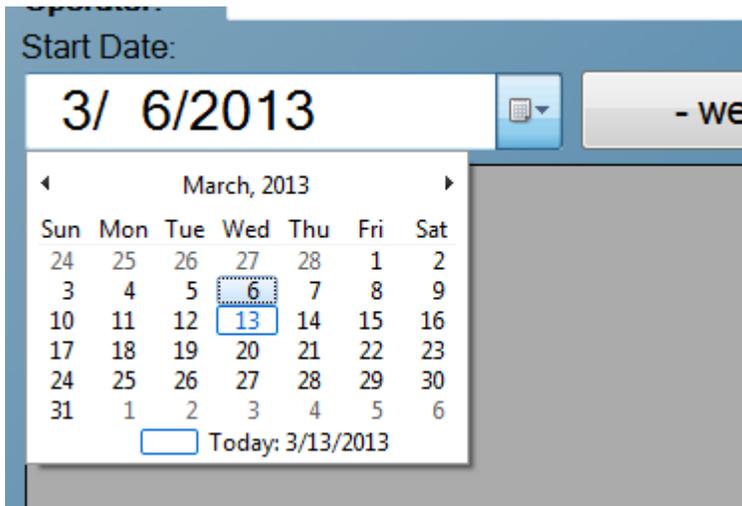
Once you've clicked the 'SET OUT OF SERVICE' button, the above screen will appear. This screen will display how long the machine has been out of service, the user that placed the machine out of service, the reason it was placed out of service, and any comments entered.

To return the machine to service, simply click 'RETURN TO SERVICE'. The screen should return to the Set Out of Service screen with an updated 'last out of service' message.

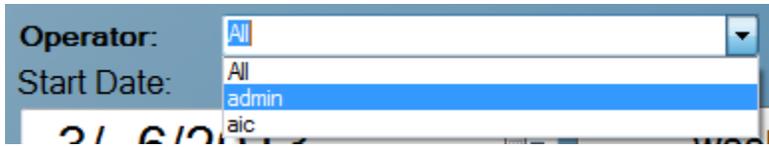
History



This screen allows you to view the data collected at the machine for the specified date range.



Click on the calendar image beside either Start Date or End Date to pop up a clickable calendar to modify the date range.



The Operator dropdown menu allows you to filter results based on machine operator.

<Include the rest of the History section. I stopped because it was removed from Axle Inspection.>

Diagnostics

The diagnostics screen is a utility for viewing the application's log file and to test the barcode scanner(s).

Menu Downtime Help 3/13/2013 4:23:17 PM

Diagnostics

Log File - C:\Program Files\Wheel Shop Automation\Axle Inspection\GRSN 81 2013-03-13.log

Info Warn Error Debug Exception Open in Notepad

```
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] Machine Settings loaded.
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] Data Source=ANDERSIWSA
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] Initial Catalog=WSMS_NOP
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] Connection Timeout=0
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] Integrated Security=False
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] User ID=wsmstojin
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.LogoutOccurred] User logged out.
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Database_ConnectionRestored] Database Connection Restored
<INFO> [3/13/2013 4:19:25 PM] [WSMS.Common.MainForm.Form_Load] Application Startup - Complete.
<INFO> [3/13/2013 4:19:33 PM] [WSMS.Common.MainForm.LoginOccurred] User aic logged in.
<INFO> [3/13/2013 4:19:34 PM] [WSMS.Common.MainForm.LoginOccurred] Loading Scanner Settings...
<INFO> [3/13/2013 4:19:34 PM] [WSMS.Common.MainForm.LoginOccurred] Scanner 1900 connected successfully
<INFO> [3/13/2013 4:19:34 PM] [WSMS.Common.MainForm.LoginOccurred] Scanner 4600-10201B0C39 connected successfully
<INFO> [3/13/2013 4:19:34 PM] [WSMS.Common.MainForm.LoginOccurred] Scanner Settings Loaded.
<INFO> [3/13/2013 4:19:34 PM] [WSMS.Common.MainForm.LoginOccurred] Loading Barcode Definitions...
<INFO> [3/13/2013 4:19:35 PM] [WSMS.Common.MainForm.LoginOccurred] Barcode Definitions Loaded.
<INFO> [3/13/2013 4:19:35 PM] [WSMS.Common.MainForm.CheckForUpdates] Checking for updates...
```

Scanning

Scanner Name

Symbology

Raw Data

Close

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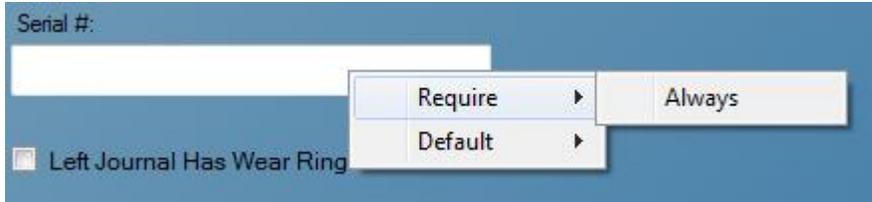
To test the barcode scanner, simply scan any barcode. If the barcode scanner is configured properly, you should see the name of the scanner, the type of barcode scanned (symbology), and the raw data that is contained in the barcode.

When you are finished using the Diagnostics screen, click Done to return to the previous screen.

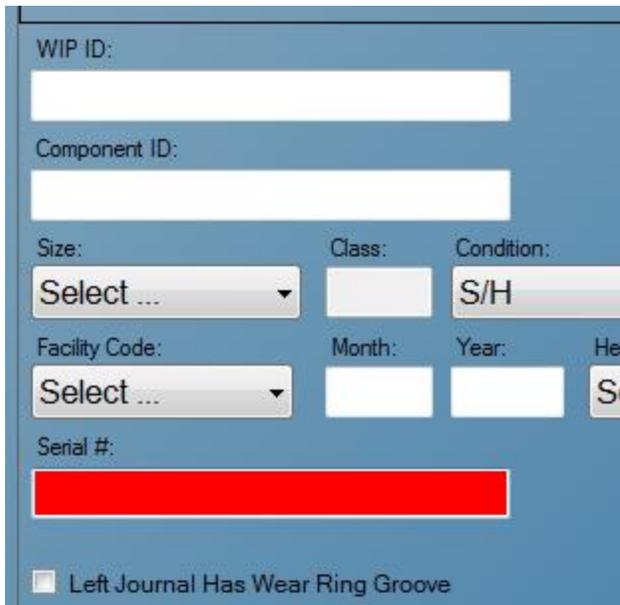
Administrator Menu

Most modes of operation allow a shop administrator to specify which fields the operators are required to enter. In some cases fields can be required only for [component]s that have a Disposition of 'Good'. These options can be set by an administrator, and they can only be set with a mouse.

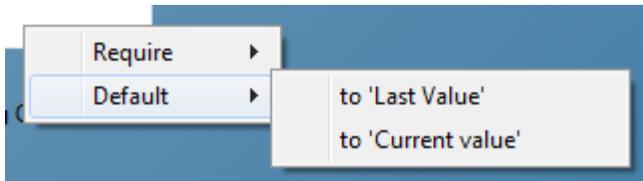
First, the administrator must Log On and proceed to the data entry screen. Position the mouse cursor over the data entry field to be changed and right-click. The Administrator Menu will appear.



Selecting Require -> Always will require users to input a value into this field before the form is accepted. Depending on the field, a 'For good [component]s' option may appear. Selecting this will make the field required only in the event that the [component] is labeled as 'Good'.



Once a field has been marked as 'Required', its background will display red until a value has been entered.



The Default menu allows an administrator to set a default value to the selected field. 'Last Value' sets the default to the last value entered by the operator. This can be useful if processing several [component]s with the same measurements; selecting this option can, however, increase the chance of error in the event that an operator neglects to change the value when necessary.

'Current Value' sets the default to the value currently entered in the field. Similar to 'Last Value', 'Current Value' can be risky as well as useful.

<Include information about Data Sources/Destinations if appropriate. Could not access Data Tags in Axle Inspection to do this section.>

Appendix A: Frequently Asked Questions (FAQ)

Q. How do I remove a wheelset from the Queue?

A. Pause the timer to make sure the screen does not accidentally change while you are trying to remove an item. Then select the item from the Queue that you want to remove and click the Delete button. This will only remove the item from the queue. It does not delete the item entirely from the database

Appendix B: License

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Appendix C: Contact Information

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Sherwood, AR 72117

Online Support

Visit our website at www.wheelshopautomation.com for 24/7 technical information and available downloads

Email us at support@wheelshopautomation.com

Phone Support (Existing support contract or credit card required)

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