Verifier Computer Interface Reporting (VCIR) Software

Components

Optional USB-to-Serial Adapter P/N: 002-6514

The instructions apply to the following products:

RJS Laser Inspector, RJS Inspector L1000, RJS Inspector 2000, RJS Inspector 3000, RJS Inspector 4000, RJS Inspector D4000 (Auto Optic, CR2 Scanner, or SP), RJS Inspector 5000 (Auto Optic, CR3 Scanner, 2D Camera)

Description of the Verifier Computer Interface Report

The Verifier Computer Interface Report allows your bar code verifier to transfer quality reports to the proprietary RJS Windows software application. A time and date stamp is immediately applied to track product quality over time. Reports may be printed to any standard Windows printer.

Verifier Computer Interface Features:

- *Generate custom reports (Excel spreadsheet) that contains the results of multiple bar code inspections*
- *Maintain bar code inspection report database (with time and date stamps)*
- *Print reports on any standard Windows printer*
- *Transfer inspection results into Customer Management or Quality Control software applications*

Installing the Verifier Computer Interface Software

NOTE: Do NOT connect any cables until AFTER the software is installed
NOTE: You MUST have the email that has your software license code to install the software

1. *Software Installation Instructions: **https://www.rjs1.com/Downloads/VCIR_Install.pdf**
   Software Download Location: **https://www.rjs1.com/Downloads/VCIR_Software.zip***
2. *If you purchased the optional USB-to-Serial adapter:*
   A. *Download from and **https://www.rjs1.com/Downloads/USB_To_Serial.zip***
   B. *Save the usb232.zip program to your Desktop*
   C. *Unzip the file to your Desktop*
   D. *For Windows 7/8/10 or Vista - Double Click on the "PL2303_Prolific_Vista_332102.exe" file*
      For Windows XP or 2000 - Double Click on the "PL2303-Driver_XP2K_v204102.exe" file

Connecting the Verifier Computer Interface

1. *Install the interface cable into your computer serial port connector*
2. *Tighten the connector screws into your computer*
3. *Plug the jack into the printer interface connector on the verifier*
4. *See your computer documentation to determine the serial COM port*
5. *The first time the software is used, you must select the serial COM port, select the **Setup** and **Com Port** from the file menu*

Note: The password is "blockade"
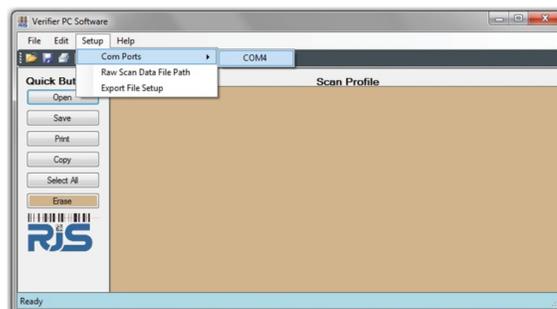
Support

RJS technical support is here to help.
*If you have questions or need technical support, you can contact us either with email at **support@rjs1.com** or telephone at +**1-763-746-8034**, press 3 when prompted (8:00am to 6:00pm CST, M-F).*

We love to hear comments, questions, or suggestions for future enhancements

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Configuring the Verifier Computer Interface Report Software

Before transferring bar code inspection reports to the computer, you must configure the software and report information.

1. *Open the Verifier Computer Interface Reporting software and click **Setup** and **Options and Settings** from the file menu (see top, left)*
   *Note: The password is **blockade***
2. *The Options and Settings screen will be displayed (top, right)*
3. *Set the **Verifier Type** as the unit you are using (bottom, left)*
4. *The default file name can have either a Prefix or a Suffix added. This could be used to identify a printing press number, operator name, or any other method to help you sort through past inspection reports.*
5. *Choose the **Export File Folder**, the default is **C:\My Documents\VCIR Raw Data Files** but can be changed to a different directory or a network location (top, right)*
   Note - The user of the software MUST have full security privileges for the location entered
6. *Choose which fields will be included on the report when a bar code inspection report is transferred to the Verifier Computer Interface software*
   - *Click >> to choose to export all fields*
   - *Click << to choose to remove all field*
   - *Click a specific field name in the "Available Fields" window and click > to move a single field to the "Export Fields" window (holding the <shift> key allows selecting multiple fields)*
   - *Click a specific field name in the "Export Field" window and click < to remove a single field (holding the <shift> key allows selecting multiple fields)*
7. *You can select if the **Excel Exporting** file should be generated*
8. *You can select if the **Erase** button is displayed*
9. *Click OK when finished*
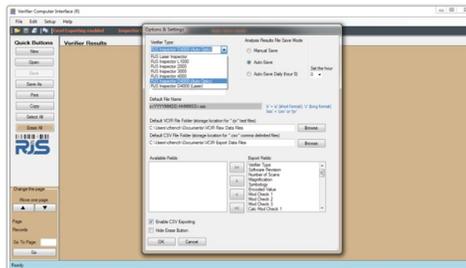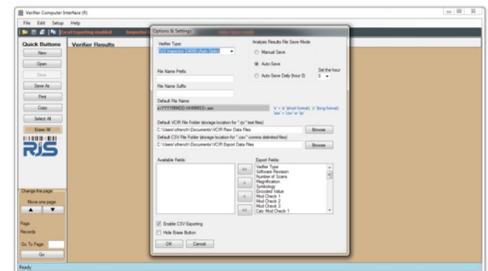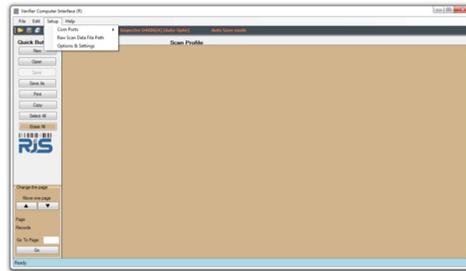
Configuration	**The following instructions apply to these models:**

RJS Laser Inspector, RJS Inspector L1000, RJS Inspector 2000, RJS Inspector 3000, RJS Inspector 4000, RJS Inspector D4000 (Auto Optic, CR2 Scanner, or SP)

Verifier Computer Interface Report Software

Configuring the Bar Code Verifier

Before you can transfer bar code quality reports you must configure the verifier. This is done only one time. To configure your verifier:
1. *On the verifier, press the <Enter> and <Select> buttons at the same time to display the Main Menu (below).*

```
Scan Calib Setup
Storage Inactive
```

2. *Press <Select> until the cursor is on SETUP and press <Enter>*
3. *Repeatedly press <Enter> to scroll through the software settings until you reach the OUTPUT DEVICE screen*

```
Output Device
    Computer
```

4. *Press <Select> to choose COMPUTER and press <Enter>*
5. *Repeatedly press <Enter> to complete scrolling through the software settings, after scrolling past the last setting the unit will return to the Main Menu*
6. *Press the <Select> button to choose SCAN and press <Enter>*

Transferring a Single Bar Code Quality Report to the Computer

To transfer the Bar Code Quality Report:
1. *Press the <Print> button on the verifier*
2. *Press the <Select> until ANALYSIS ONLY is displayed (below)*
3. *Press <Enter> to confirm the transfer, in a matter of seconds all the Symbol, General, Quality, and Encode Information will be transferred and displayed on your computer*

```
Printout Type
Analysis Only
```

4. *The Verifier Computer Interface software will display the transfer status in the lower left corner of the screen.*
   READY - the software is ready to accept inspection reports
   SCAN RECIEVED - the inspection report was transferred, this message will be displayed until processing the inspection report(s) is complete

Notes
   * The time/date stamp will be the time that the inspection report is transferred and NOT when the actual scan was captured
   * The Excel file will not be created until the scan is saved
   * If you attempt to OPEN a .rjv (Verifier Computer Interface) file while the associated .csv (Excel) report is open you will receive the following message "A sharing violation occurred..." to correct this close the .csv (Excel) report and then OPEN the file

Storing Bar Code Inspection Results

Often times bar code verifiers are moved from location to location throughout the day and can not be connected to the computer after each bar code inspection. To handle this the bar code inspection results can be saved to the verifiers storage memory and transferred at the end of the day.
1. *On the verifier, press the <Enter> and <Select> buttons at the same time to display the Main Menu (below, left)*
2. *Press <Select> until the cursor is on STORAGE and press <Enter>, INACTIVE will change to 00% (below, right)*
3. *Press <Select> until the cursor is on SCAN and press <Enter>*

The storage mode is now enabled, all bar codes inspected will be saved to the storage memory

```
Scan Calib Setup
Storage 00%
```

Configuration

Verifier Computer Interface Report Software

Continued instructions for these models:
RJS Laser Inspector, RJS Inspector L1000, RJS Inspector 2000, RJS Inspector 3000, RJS Inspector 4000, RJS Inspector D4000 (Auto Optic, CR2 Scanner, or SP)

Transferring Multiple Bar Code Quality Reports from the Verifier Storage to the Computer

To transfer the Bar Code Quality Reports:
1. *Press the <Print> button on the verifier*
2. *Press the <Select> until STORAGE is displayed (below)*
3. *Press <Enter> to confirm the transfer, in a matter of seconds all the Symbol, General, Quality, and Encode Information will be transferred and displayed on your computer*
NOTE: The time/date stamp will be the same for all inspection reports transferred

```
Printout Type
Storage
```

4. *The Verifier Computer Interface software will display the transfer status in the lower left corner of the screen*
   READY - the software is ready to accept inspection reports
   SCAN RECIEVED - the inspection report was transferred, this message will be displayed until processing the inspection report(s) is complete

Notes
* The time/date stamp will be the time that the inspection reports are transferred and NOT when the actual scan was captured and all inspection reports will have the same time stamp
* The Excel file will not be created until the scan is saved
* If you attempt to OPEN a .rjv (Verifier Computer Interface) file while the associated .csv (Excel) report is open you will receive the following message "A sharing violation occured..." to correct this close the .csv (Excel) report and then OPEN the file
    * When a .rjv file is open you will not see the associated .csv (Excel) file in the report directory

Emptying Bar Code Quality Reports from the Verifier Storage Memory

After transferring the bar code quality reports to the computer then remove them from the bar code verifier memory. This frees up space for new inspection reports and ensures the same report is not transferred multiple times.
1. *On the verifier, press the <Enter> and <Select> buttons at the same time to display the Main Menu*
2. *Press <Select> until the cursor is on the % symbol and press <Enter>, 73% (below, left) will change to 00% (below, right)*

```
Scan Calib Setup
Storage 73%
```

3. *The bar code quality reports can be restored by repeating step 2, however, after a new scan is captured, the previous reports will be permanently lost*
4. *Press <Select> until the cursor is on SCAN and press <Enter>*
   The storage memory is now empty

```
Scan Calib Setup
Storage 00%
```

The following instructions apply to these models:
RJS Inspector 5000 (Auto Optic, CR3 Scanner, 2D Camera)

Configuring the Bar Code Verifier

Before you can transfer bar code quality reports you must configure the verifier. This is done only one time. To configure your verifier:
1. *On the verifier, press and hold the <Print> button then press the <Right Arrow> button (at the same time) to bring up the Setup screen*
2. *Repeatedly press <Down Arrow> button to scroll through the software settings until you reach the OUTPUT DEVICE*

```
GRADE  | ENCODE | PROFILE| REPORT

MIN MARGINAL GRADE          2.5

MIN PASSING GRADE           1.5

PASS/FAIL SCREEN             NO


OUTPUT DEVICE         Computer
        L/R for options


AUTO PRINT                  NO

SET UNITS             STANDARD

DAY OF WEEK           TUESDAY
```

3. *Press the <Right Arrow> to select COMPUTER*
4. *Repeatedly press the <Down Arrow> button until you reach the EXIT WITH SAVE option*
5. *Press the <Select> button. After pressing the <Select> button, press <Select> button again to confirm the changes should be saved and to exit the SETUP screen.*

Storing Bar Code Inspection Results

The Inspector 5000 automatically stores all bar code inspection results

Notes
* Maximum storage is approximately 1,000 records
* Once the storage is full, new results will overwrite the oldest results
* If the calibration interval has expired, the inspection results will NOT be stored. A pop-up reminds the user that storage results will not be stored.

Printing Bar Code Inspection Results

From any screen press and release the <Print> button, below are the screens that will be displayed:

```
GRADE  | ENCODE | PROFILE| REPORT

   PRINT OPTIONS (TO COMPUTER)

ANALYSIS ONLY
PREVIOUS DAY
PREVIOUS 07 DAYS
DATE/TIME RANGE
EXIT




   UP/DOWN TO CHOOSE TYPE
   PRINT TO PRINT
   PRINT-LEFT TO EXIT
```

Analysis Only
This option prints the *Text Analysis* data for the last symbol scanned. This option can also be used to print each individual symbol in the multiple scan mode prior to the last scan being completed.

Previous Day
This option prints the *Text Analysis* data for all bar codes inspected in the past 24 hours

Previous XX Days
This option prints the *Text Analysis* data for all bar codes inspected in the past XX days (XX is the number of days 01 to 99)

Date/Time Range
This option prints the *Text Analysis* data for all bar codes inspected within the date range selected

Notes
* The Inspector 5000 manual contains a more detailed explanation

Operation	**The following instructions apply to ALL models**
Verifier Computer Interface Report Software	**Printing Bar Code Quality Reports (unformatted)**

Printing Bar Code Quality Reports (unformatted)

All data transferred to the computer can be printed to any standard Windows printer. There are three ways to start the printout:
1. Click the <Print> quick button
2. Click the File menu and select Print
3. Press the computer keyboard <Cntl> and <P> buttons at the same time

Saving Bar Code Quality Reports (unformatted)

The Bar Code Quality reports can be saved to any local or network location. The default file name is DATE.TIME.rjv. Other naming conventions may be used but for future reference this is a convenient standard. If the Excel Exporting is enabled, then the .csv (Excel) file will also be created. There are three ways to save a quality report:
*1. Checking **Auto Save** on the **Options and Settings** menu option, will result in the file being saved after each bar code is transfer to the PC*
*2. Click the <Save> quick button (not available if **Auto Save** is enabled)*
*3. Click the File menu and select Save (not available if **Auto Save** is enabled)*
*4. Press the computer keyboard <Cntl> and <S> buttons at the same time (not available if **AutoSave** is enabled)*

Opening Saved Bar Code Quality Reports (unformatted)

*The default location for saved Bar Code Quality reports is the **C:\My Documents\VCIR Raw Data Files** folder. The software allows the directory to be changed in case a different location was used. There are three ways to open a quality report:*
1. Click the <Open> Button
2. Click the File menu and select Open
3. Press the computer keyboard <Cntl> and <O> buttons at the same time

Notes
* If you attempt to OPEN a .rjv (Verifier Computer Interface) file while the associated .csv (Excel) report is open you will receive the following message "A sharing violation occured..." to correct this close the .csv (Excel) report and then OPEN the file
* When a .rjv file is open you will not see the associated .csv (Excel) file in the report directory

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Verifier Computer Interface Report Software

Adding to an existing .rjv (Verifier Computer Interface) File

Bar Code Quality reports can be appended with new bar code inspections. Before opening a .rjv (Verifier Computer Interface) file, choose which fields should be saved to the .csv (Excel) report.
1. *Following the section above "Opening a saved Bar Code Quality Report"*
2. *Transfer additional bar code inspections (not required)*
3. *Click <Save> quick button or click File and then Save*

Notes
* When you open a .rjv (Verifier Computer Interface) file and later save the file (with or without changes), the .csv (Excel) report will be resaved using the export fields are selected in the Settings, Export screen and the previous report will be overwritten
* If you attempt to OPEN a .rjv (Verifier Computer Interface) file while the associated .csv (Excel) report is open you will receive the following message "A sharing violation occurred..." to correct this close the .csv (Excel) report and then OPEN the file
* When a .rjv file is open you will not see the associated .csv (Excel) file in the report directory

Moving Bar Code Quality Reports into other Applications

All data transferred to the computer can be copied and pasted into Customer Management, Quality Control, or any other Windows software application.
1. *Select the data that you would like to copy using the computer mouse*
2. *Click the <Copy> quick button*
3. *Open the software application where you would like to transfer the Bar Code Quality report*
4. *Select the field where the data should be transferred*
5. *Press the computer keyboard <Cntl> and <V> at the same time*

Modifying Which Fields are Displayed in a .csv (Excel) Report

1. *Click **Setup** and **Options and Settings** from the file menu*
   *Note: The password is **blockade***
2. *The Options and Settings screen will be displayed (below):*
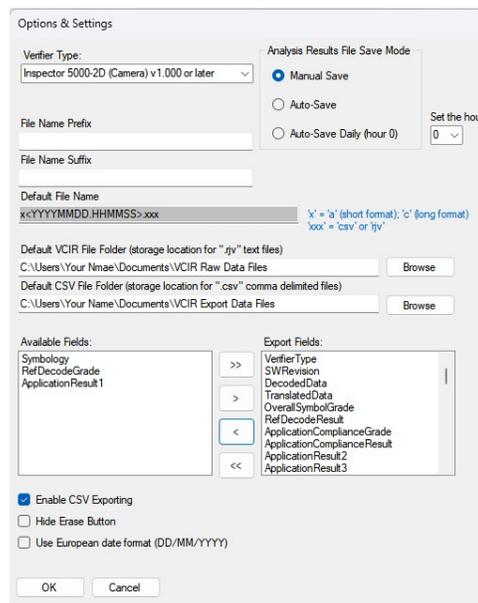
Options & Settings

Verifier Type:
Inspector 5000-2D (Camera) v1.000 or later

Analysis Results File Save Mode
● Manual Save
○ Auto-Save
○ Auto-Save Daily (hour 0)   Set the hour 0 ∨

File Name Prefix

File Name Suffix

Default File Name
x<YYYYMMDD.HHMMSS>.xxx   'x' = 'a' (short format); 'c' (long format)
'xxx' = 'csv' or 'rjv'

Default VCIR File Folder (storage location for ".rjv" text files)
C:\Users\Your Nmae\Documents\VCIR Raw Data Files   Browse

Default CSV File Folder (storage location for ".csv" comma delimited files)
C:\Users\Your Name\Documents\VCIR Export Data Files   Browse

Available Fields:
Symbology
RefDecodeGrade
ApplicationResult1

Export Fields:
VerifierType
SWRevision
DecodedData
TranslatedData
OverallSymbolGrade
RefDecodeResult
ApplicationComplianceGrade
ApplicationComplianceResult
ApplicationResult2
ApplicationResult3

[>>] [>] [<] [<<]

☑ Enable CSV Exporting
☐ Hide Erase Button
☐ Use European date format (DD/MM/YYYY)

[OK] [Cancel]

3. *Choose which fields will be included on the report when a bar code inspection report is transferred to the Verifier Computer Interface software*
   - *Click >> to choose to export all fields*
   - *Click << to choose to remove all field*
   - *Click a specific field name in the "Available Fields" window and click > to move a single field to the "Export Fields" window (holding the <shift> key allows selecting multiple fields)*
   - *Click a specific field name in the "Export Field" window and click < to remove a single field (holding the <shift> key allows selecting multiple fields)*
4. *Click OK when finished*

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Verifier Computer Interface Report Software

Viewing .csv (Excel) Reports

After saving and closing .rjv (Verifier Computer Interface) files you can open and view the .csv (Excel) "Multiple bar code inspection" report. This displays all the bar code quality information on a single easy to read report.

1. *Close the .rjv (Verifier Computer Interface) file*
2. *Start the Microsoft Excel application*
3. *From the file menu click FILE, OPEN*
   Open the "My Documents\Verifier Reports" directory (see below)

4. *Change the "Files of Type:" to TEXT FILES (*.PRN; *.TXT; *.CSV)*
5. *Select which .csv (Excel) report file you would like to view, sample reports are below*

Notes
* If you attempt to OPEN a .rjv (Verifier Computer Interface) file while the associated .csv (Excel) report is open you will receive the following message "A sharing violation occurred..." to correct this close the .csv (Excel) report and then OPEN the file
* Charts and formatting are standard features of Microsoft Excel

Detailed Report View

Simple Report View with Chart