

Test 'n' Tag

Label Printing System

Instruction Manual

308A550

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Limited Warranty & Limitation of Liability

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1. Check that all the component parts are present:-
 - Portable Printer
 - AC Adaptor
 - Printer Lead
 - Supply Cartridge
 - Peel Stick
 - Peel Stick Instruction sheet
 - Instruction Manual (with Warranty Card)
 - PATGuard Plus Evaluation software disc
 - Download Lead
2. Read the operating instructions fully before using the Test 'N' Tag system.
3. Contact Seaward Electronic if you need information on training for Portable Appliance Testing.
4. Data may be lost or altered in virtually any electronic memory under certain circumstances. Therefore Seaward Electronic assumes no responsibility for financial losses or claims due to data lost or otherwise rendered unusable whether as a result of abuse, improper use, defects, disregard of operating instructions or procedures, or any other allied causes.
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1.

Test 'N' Tag is the new label printing system exclusive to Seaward. This will enable users of Seaward Supernova / Europa Pat testers to print thermal transfer labels direct from the tester to the Test 'N' Tag portable printer.

Note

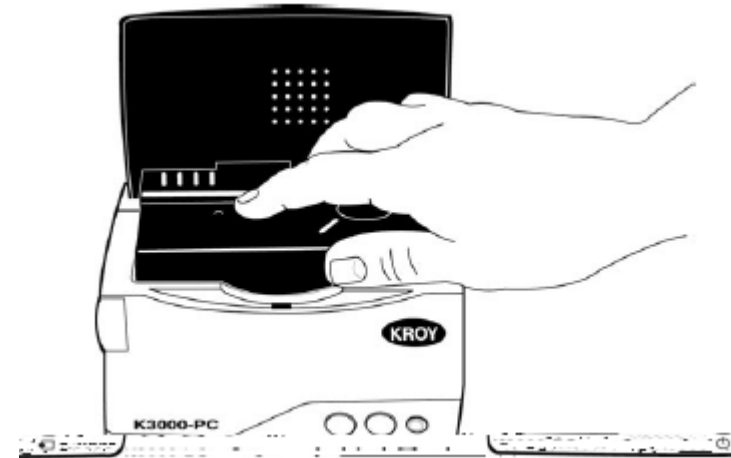
The Test 'N' Tag system can only be used with the Seaward Supernova / Europa family of PAT testers.

The industrial vinyl labels created by the Tag 'N' Tag printer are scuff proof, water proof, tamper proof and unlike direct thermal labels, the print will not fade in sunlight.

Two types of label can be printed; a panel label – to attach direct to the appliance panel, a cable wrap label – to wrap around the power cord.

2.

1. Lift the unit's dust cover.
2. Make sure the locking spindle is in the counter-clockwise (unlocked) position.
3. On the bottom of the cartridge, turn the ribbon advance one full turn counter clockwise (follow arrows on cartridge) or until any slack in the ribbon is removed. **THIS IS VERY IMPORTANT.**
4. Load the supply into the printer making sure the cartridge is properly seated.
5. Turn the locking spindle one-quarter turn clockwise to lock the cartridge into place.



3.

Connect the supplied AC adapter to the back of the Printer.
Connect the AC Adapter to the power outlet.

Note

The Printer AC Adapter is unique to, and will only operate with the K3000-PC Printer. It should not be used with any other printer or damage to the printer and/or adapter may occur.

1. Press the POWER button to turn the unit off. The power light LED will go out.
2. Press and hold down the FEED button, then press the POWER button to turn the unit's power back on. The unit will print a test label as shown.

K3000-PC
Ver. 1.0a

3. Examine the test label. The printing should be dark and uniform with no distortion. If the self-test results differ

markedly from those expected, refer to the troubleshooting section.

4.

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Test 'N' Tag can only be used with tester software version SNEU.27a or above.

The software version is displayed on the tester for a short time during power up.

If the software version is not SNEU.27a or above, the tester will need its software updating. This is done with the use of the Tester Software Update program.

The PATGuard Plus CD contains:

- PATGuard Plus v4.4 program
- Tester Software Update program – to update the Tester
- Tester Logo Transfer program – to transfer a logo to the tester

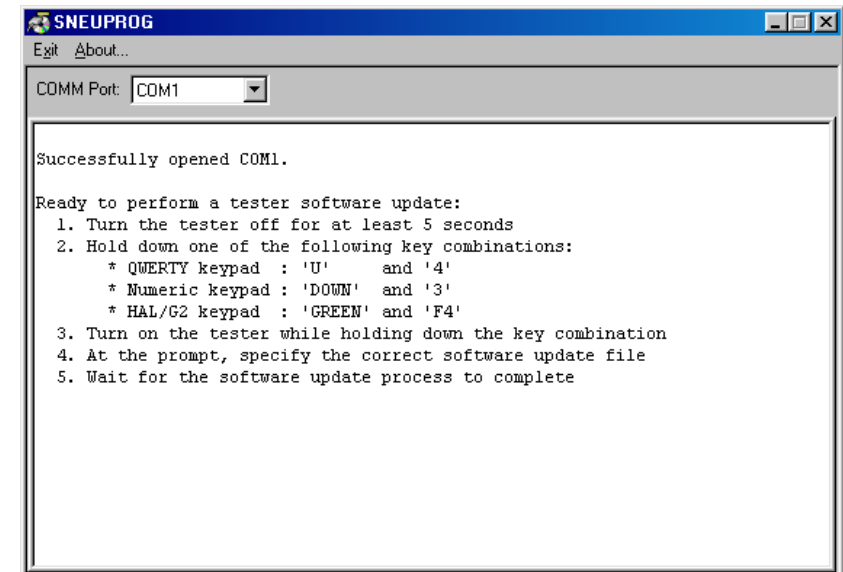
To run these programs it is necessary to install the PATGuard Plus program. If you have an earlier version of PATGuard Plus then use the installation to overwrite your existing program. Any databases containing your records will not be overwritten.

1.3

Once PATGuard Plus has been installed, update your tester by running the Tester Software Update program. Both utility programs are started from Windows Start and are found in the Seaward PATGuard Plus group (from where the PATGuard Plus program can be launched).

Connect from the tester serial port to the PC serial port with the Download Lead supplied (has two 'D' type connectors either end, one male one female).

Run the Tester Software Update program. The following screen is displayed:



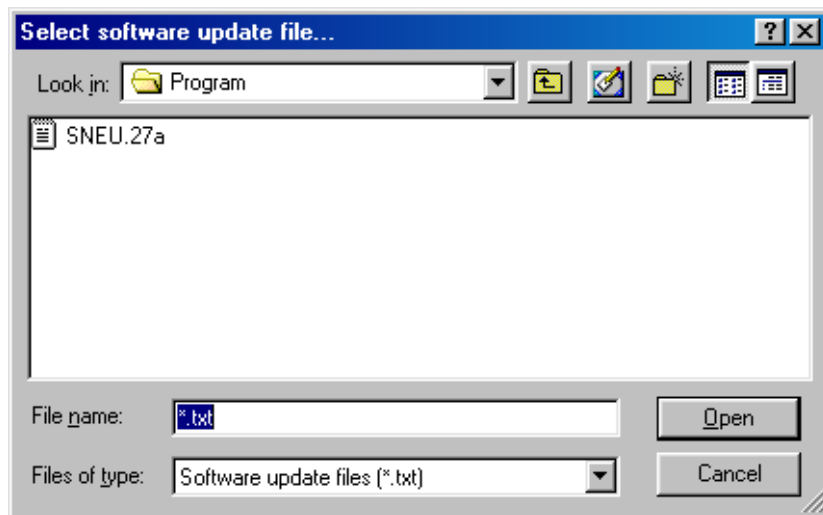
4. Updating the Tester

Follow the instruction on the screen to put the tester into Software Update mode.

Note

QWERTY keypad refers to Seaward Supernova Plus, Supernova XE, Supernova, Europa Plus testers, Numeric keypad refers to Seaward Europa testers, HAL/G2 refers to specific Clare tester models.

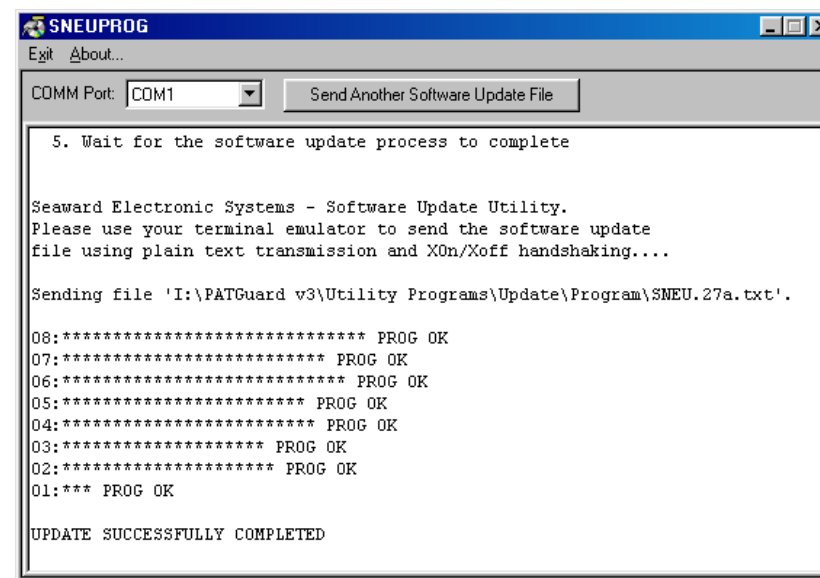
When the tester and the program have established communications the following screen will be displayed:



It is necessary to select the correct software update file to be loaded into the tester. For Test 'N' Tag the tester needs to be updated to SNEU.27a. Select and open the SNEU.27a file.

The update to the tester will start automatically, its progress shown in the program window.

When the update has completed successfully, the following screen is displayed:



Select Exit at the Toolbar to close the program.

Note

Should the update fail part way through for whatever reason, perhaps the cable is accidentally disconnected then it is not necessary to re-establish communication. By selecting the button the file can be re-selected and sent again.

To complete the update process on the tester power off the tester then power back on after about 5 seconds checking that the new software version number is displayed i.e. SNEU.27a.

It is necessary to restore FACTORY SETTING, CLEAR RESULTS MEMORY and CLEAR UPLOAD MEMORY on the tester to enable the new software to function correctly (see the tester Instruction Manual).

5.

Note

This section should be read with reference to the tester's Instruction Manual

5. Printing Labels

Labels can be printed either at the end of test or at any other time from test results stored in the memory.

Note

*When printing labels from a newly installed Supply Cartridge the first label to be printed will **not** have a logo should a logo have been added to the label (see section 7 Adding a Logo to the Label).*

With the Printer powered on (Green Light illuminated) through its AC Adaptor, connect the Printer Lead RJ12 connector into the Printer and the serial connector into the serial port of the tester

—

As the labels require a Next Test due, re-test period will now need to be defined at the start of the test. On selecting NEW TEST or entering CREATE APPLIANCE in MANUAL MODE the following screen is now displayed:

```
-----ENTER APPLIANCE DETAILS-----  
  
APPLIANCE:  
  
SITE:  SITE 0  
  
LOACTION:  LOC. 0  
  
RE-TEST PERIOD:  12 MONTHS  
  
OK
```

Use the cursor keys to select RE-TEST PERIOD and then press the ENTER key to choose a re-test period.

```

-----RE-TEST PERIOD-----
NOT REQUIRED
1 MONTH
3 MONTHS
6 MONTHS
12 MONTHS
24 MONTHS
48 MONTHS
OTHER...

```

Complete the rest of ENTER APPLIANCE DETAILS as normal (refer to your Tester Manual) and move on to the next stage in the test process.

Note for PATGuard Plus Users

Re-test periods are downloaded with test results and are compared with re-test periods of existing Assets on PATGuard Plus or used as the re-test period for new Assets. This is to ensure that re-test periods are 'synchronized' across the PAT system.

Asset Upload from PATGuard Plus will also include the re-test period

To print labels from the DOWNLOAD RESULTS menu make the following selection:

```

-----DOWNLOAD OPTIONS-----
DESTINATION: TRANSFER PRINTER
OUTPUT CONNECTION: RS232
BAUD RATE: 19200

DOWNLOAD FORMAT: TEST'N'TAG LABELS

OK

```


Select the fast key OK.

If DOWNLOAD TEST RESULTS was selected from the MAIN MENU then use SEARCH FOR DOWNLOAD DATA screen as normal (see Tester Instruction Manual) to select the required data.



5. Printing Labels

If DOWNLOAD TEST RESULTS was selected from OPTIONS at the end of a test no SEARCH FOR DOWNLOAD DATA appears as it will download the test just completed.

In both cases the following screen will be displayed next if the test passed:

SEAWARD TEST 'N' TAG LABEL		
		
Asset ID: 1234		Last Test: 20/03/2003
Status: PASS	Tested By: JOHN	Next Test: 20/09/2003
-TEST 'N' TAG LABEL OPTIONS--		
PRINT AS PANEL LABEL		
PRINT AS CABLE WRAP LABEL		
LABEL IS NOT REQUIRED		

A failed test will be displayed as follows:

SEAWARD TEST 'N' TAG LABEL		
		
Asset ID: 1234		Last Test: 20/03/2003
Status: FAIL	Tested By: JOHN	
-TEST 'N' TAG LABEL OPTIONS--		
PRINT AS PANEL LABEL		
PRINT AS CABLE WRAP LABEL		
LABEL IS NOT REQUIRED		

Use the cursor keys to choose a print option. A PANEL LABEL is for attaching directly to the Appliance. A CABLE WRAP LABEL is larger and is wrapped around the power cord.

If no label is to be printed select LABEL IS NOT REQUIRED.

If more than one label is to be printed the above screens will be displayed prior to printing each label. This is necessary as each label is required to be cut from the Printer before the next label is printed.

After the label is printed press the on-board cutter at the front of printer (where the label appears).

To remove the backing from the label use the Peel Stick provided. A separate Instruction sheet is included to show you how the Peel Stick is used.

It is possible to set up the tester such that it prints a label automatically at the end of each test. To do this it is necessary to make changes to the SYSTEM CONFIGURATION menu. From the MAIN MENU select SETUP then SYSTEM CONFIGURATION to display the following menu:

<pre> -----SYSTEM CONFIGURATION----- APPLIANCE ID: BLANK SUB. LEAKAGE: + 0% POWER POLARITY: INPUT POLARITY ON TEST FAILURE: FAILURE MENU COMMENTS: ALWAYS APPLNCE & CMNTS: APP=10, CMNTS=20 COMMENTS LINE 1: ASSET DESCRIPTION COMMENTS LINE 2: NOTES COMMENTS LINE 3: NOTES COMMENTS LINE 4: NOTES AFTER TEST: OPTIONS ROLL PRINTER: SEAWARD (283A954) DATE AND TIME: UNPROTECTED USER LIST: UNPROTECTED EDIT PASS/FAIL LABEL TITLE OK </pre>	
<pre> MAIN MENU </pre>	<pre> OK </pre>

5. Printing Labels

Use the cursor keys to select the AFTER TEST option. Repeatedly Press the ENTER key until the following selection appears:

-----SYSTEM CONFIGURATION-----	
APPLIANCE ID: BLANK	
SUB. LEAKAGE: + 0%	
POWER POLARITY: INPUT POLARITY	
ON TEST FAILURE: FAILURE MENU	
COMMENTS: ALWAYS	
APLNC & CMNTS: APP=10, CMNTS=20	
COMMENTS LINE 1: ASSET DESCRIPTION	
COMMENTS LINE 2: NOTES	
COMMENTS LINE 3: NOTES	
COMMENTS LINE 4: NOTES	
AFTER TEST: DOWNLOAD, NEW TEST	
CONFIGURE	
ROLL PRINTER: SEAWARD (283A954)	
DATE AND TIME: UNPROTECTED	
USER LIST: UNPROTECTED	
EDIT PASS/FAIL LABEL TITLE	
OK	
MAIN MENU	OK

Use the cursor keys to select CONFIGURE to display the following:

-----DOWNLOAD OPTIONS-----	
DESTINATION: TRANSFER PRINTER	
OUTPUT CONNECTION: RS232	
BAUD RATE: 19200	
DOWNLOAD FORMAT: TEST'N'TAG LABELS	
OK	
HELP	OK

If the options are not set on entering this screen, use the cursor keys to select DESTINATION then repeatedly press the ENTER key until TRANSFER PRINTER is displayed.

Use the fast key OK to save the settings on both the DOWNLOAD OPTIONS and SYSTEM CONFIGURATION screens.

The tester is now set to print a label automatically at the end of each test.

6.

The label title can be changed so that the default title, **SEAWARD TEST 'N' TAG LABEL** is replaced with your own text.

Note

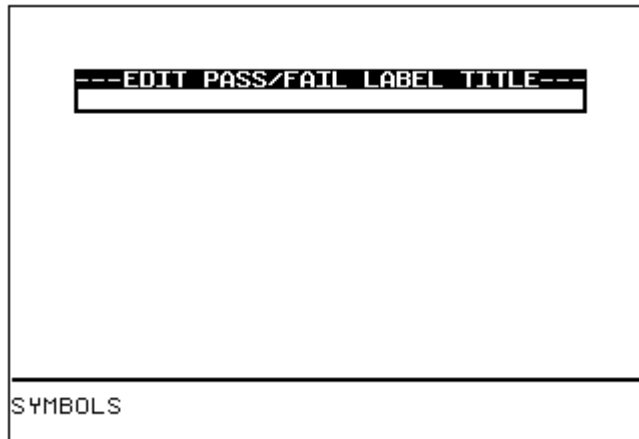
The Label Title can also be changed in the Tester Logo Transfer program and Uploaded into the tester (see Adding a Logo to the Label).

To change the label title at the tester, from the MAIN MENU select SETUP then SYSTEM CONFIGURATION to display the following menu:

SYSTEM CONFIGURATION APPLIANCE ID: BLANK SUB. LEAKAGE: + 0% POWER POLARITY: INPUT POLARITY ON TEST FAILURE: FAILURE MENU COMMENTS: ALWAYS APLNCE & CMNTS: APP=10, CMNTS=20 COMENTS LINE 1: ASSET DESCRIPTION COMENTS LINE 2: NOTES COMENTS LINE 3: NOTES COMENTS LINE 4: NOTES AFTER TEST: OPTIONS ROLL PRINTER: SEAWARD (283A954) DATE AND TIME: UNPROTECTED USER LIST: UNPROTECTED EDIT PASS/FAIL LABEL TITLE OK	
MAIN MENU	OK

7. Adding a Logo to the Label

Use the cursor keys to select EDIT PASS / FAIL LABEL TITLE. Then press the ENTER key to display the following screen:



---EDIT PASS/FAIL LABEL TITLE---

SYMBOLS

Enter your own text then press ENTER. Up to 29 characters can be entered. To return to the default label title, return the EDIT PASS / FAIL LABEL TITLE to 'blank'.

Note

This label title change will also occur on Roll printer Pass / Fail labels (see tester Instruction Manual for Roll printer information).

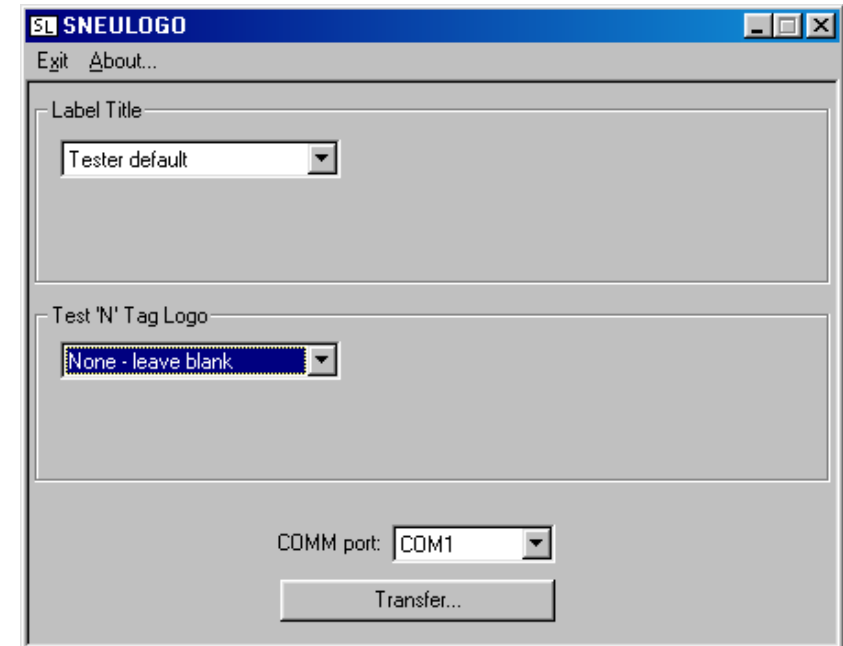
7.

To add a logo to the labels it is necessary to transfer a logo from the PC into the tester.

Note

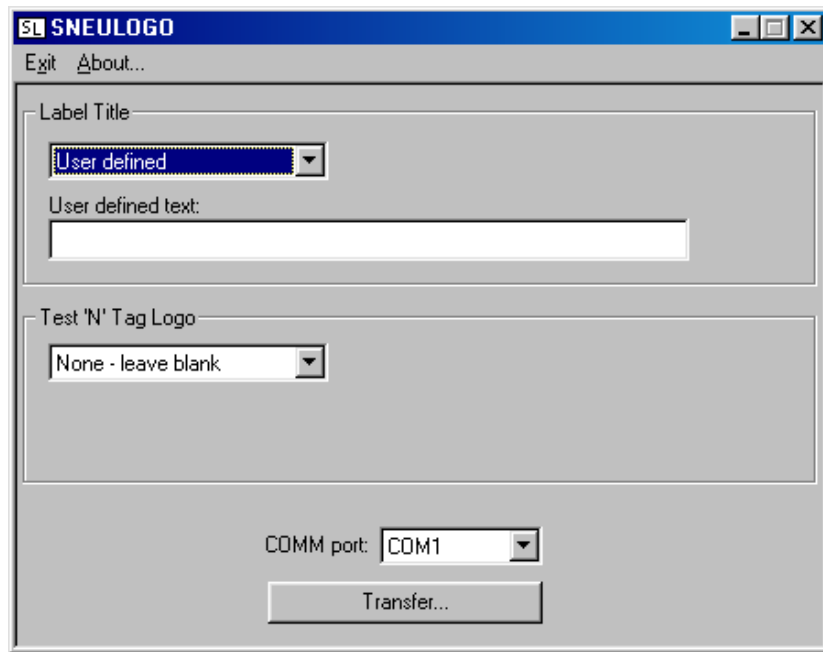
The tester is only able to hold one logo at a time. Transferring another logo will cause the first logo to be overwritten in the tester.

The Tester Logo Transfer program is used to validate the logo and transfer it to the tester. Having previously installed the PATGuard Plus program from the CD (necessary to update your tester, see Updating your PAT) run the Tester Logo Transfer program from Windows Start, Seaward PATGuard Plus group.



The program is set to use the default label title in the tester. This can also be changed at the tester (see Changing the Label Title).

To change the Label Title from the **Label title** drop down select **User defined** to display the following:



Enter up to 29 characters for the label title in the User defined text.

Note

This label title change will also occur on Roll printer Pass / Fail labels (see tester Instruction Manual for Roll printer information).

If no logo is required set **Test 'N' Tag Logo** to **None – leave blank**. Ensure the correct **Com Port** is set then press the **Transfer...** button. Put the tester into REMOTE MODE (see tester Instruction Manual) then select OK. The label title will then be transferred into the tester.

‘ ’

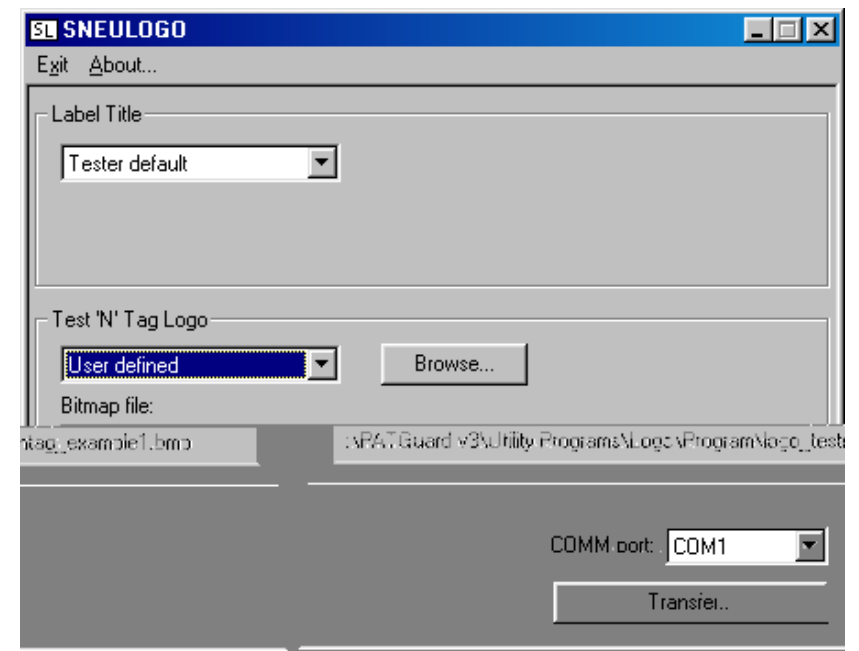
The program allows you to select a logo to transfer to the tester. Three example logos are supplied with the program. Any one of these can be transferred to the tester or they could form the basis of your own logo design using a suitable Windows application.

Note

The Tester Logo Transfer program cannot be used to design a logo but is only used to transfer a suitable logo into the tester.

The logo must be monochrome, and no more than 320 pixels wide by 240 pixels high. The program will check that the logo meets this criteria before transfer to the tester. If the logo validation fails a warning message is displayed and the logo cannot be transferred.

To select a logo from the **Test 'N' Tag Logo** drop down select **User defined**. Select a bit map file of the logo with the aid of the **Browse...** Button if necessary. Optionally set a Label Title as defined above.



To send the Logo and/or Label Title to the tester ensure the correct **Com Port** is set then press the **Transfer...** button. Put the tester into REMOTE MODE (see tester Instruction Manual) then select OK. The

8. Trouble Shooting

logo together with a label title (if required) will then be transferred into the tester.

Note

The Logo stored in the tester can be protected by a Password if this has been evoked in the tester (see the tester Instruction Manual). To maintain security; had a password been set in the tester, on starting the transfer the Tester Logo Transfer program will request this password before proceeding.

Check to see if the Supply Cartridge is installed properly. If it appears to be installed correctly, try another Supply Cartridge.

Note

Only Industrial polyester 1" Black on White (Seaward Part No. 308A912, Kroy 2438616) or Black on Yellow (Seaward Part No. 308A914, Kroy 2438643) Supply Cartridges for the Kroy K3000PC Printer are acceptable with the Test 'N' Tag system

The following message is displayed:

```
-----WARNING-----  
  
PRINTER ERROR: NO PRINTER CONNECTED  
  
PRESS THE START KEY TO TRY AGAIN, OR  
PRESS THE ABORT KEY TO ABANDON THE  
PRINTOUT.
```

If:

- Wrong Interface cable connected
- Faulty Interface cable

- No Interface cable connected.
- Printer not switched on

The following message is displayed:

```
-----WARNING-----  
  
PRINTER ERROR: INCORRECT PRINTER TYPE  
  
PRESS THE START KEY TO TRY AGAIN, OR  
PRESS THE ABORT KEY TO ABANDON THE  
PRINTOUT.
```

The printer is not a Test 'N' Tag printer.

Note

ONLY Kroy K3000PC printers supplied by Seaward as part of the Test 'N' Tag system are compatible with Seaward testers.

Please ensure that the Supply Cartridge has been installed correctly. See section 2 Installing the Supply Cartridge earlier in the manual particularly:

- 3 On the bottom of the cartridge, turn the ribbon advance one full turn counter clockwise (follow arrows on cartridge) or until any slack in the ribbon is removed. **THIS IS VERY IMPORTANT.**

These instructions are also on the Supply Cartridge packaging.

8

Item	Part Number
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8. Parts List

Printer	308A910
AC Adaptor	308A962
Printer Lead	308A960
Instruction manual	308A550
PATGuard Plus software disc	296A901
Download Lead	44B113
Peel Stick	308A961
Supply Cartridge (Black on Yellow)	308A914
Supply Cartridge (Black on White)	308A912

