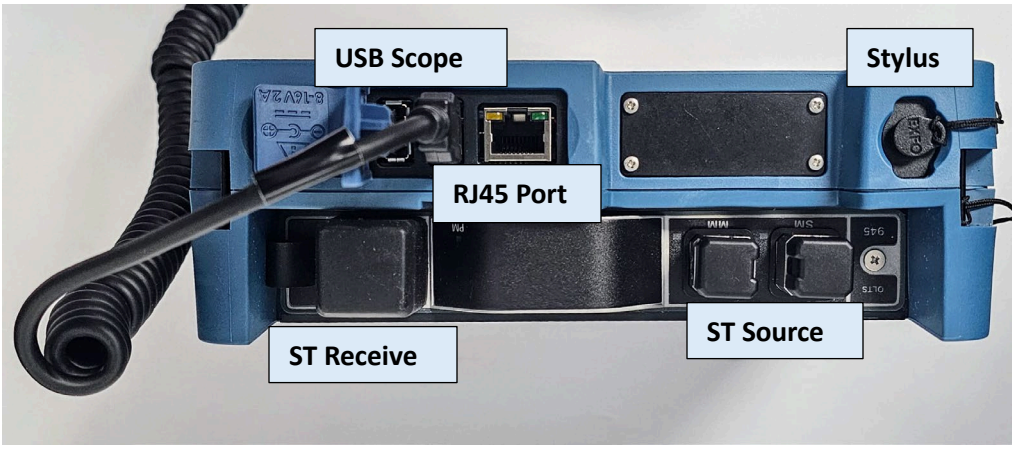
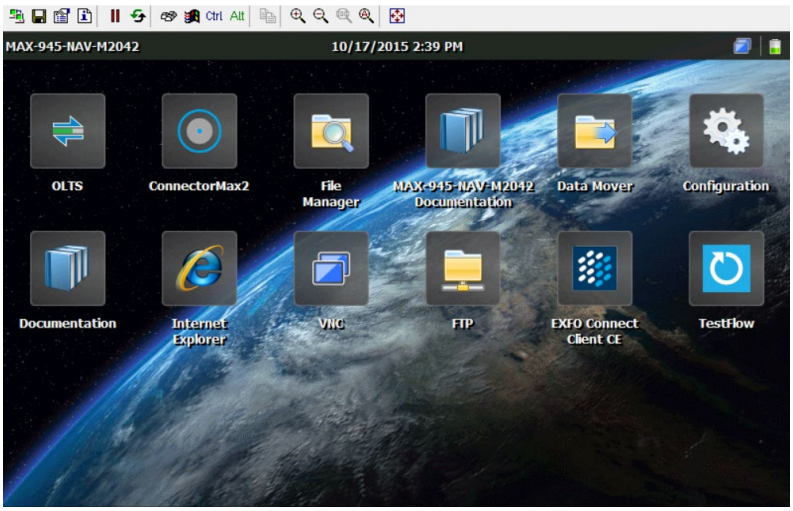
EXFO 945 Cleaning Procedures



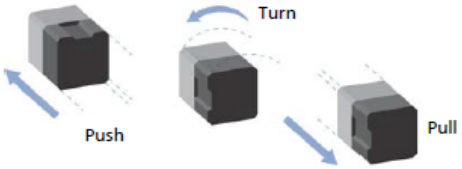
Top view of EXFO 945 Max Tester and available ports.



Step 1: After turning on the EXFO 945, click the ConnectorMax2 icon and wait for the program to open. Then remove the EUI connectors using the proceeding steps.

To clean EUI connectors:

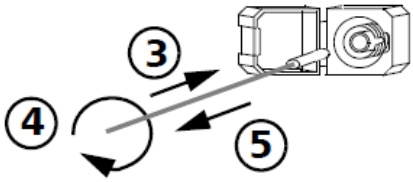
1. Remove the EU from the instrument to expose the connector baseplate and ferrule.



2. Moisten a 2.5 mm cleaning tip with *one drop* of optical-grade liquid cleaner.

Note: Place the EUI Adapter in a safe location until full procedure is completed.

3. Slowly insert the cleaning tip into the EUI adapter until it comes out on the other side (a slow clockwise rotating movement may help).



4. Gently turn the cleaning tip one full turn, then continue to turn as you withdraw it.
5. Repeat steps 3 to 4 with a dry cleaning tip.

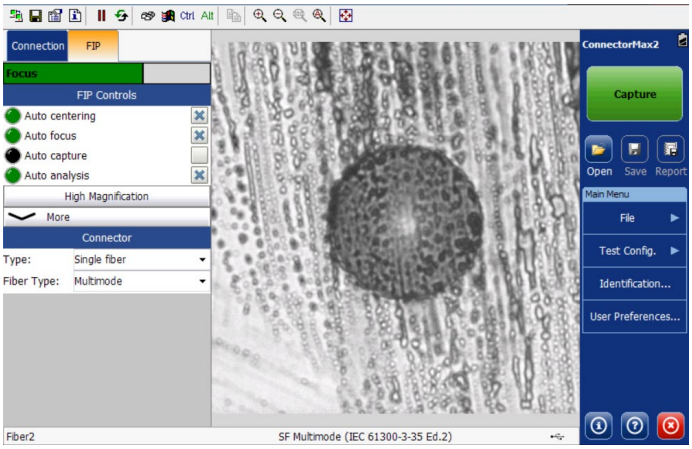
Note: *Make sure you don't touch the soft end of the cleaning tip.*

6. Clean the ferrule in the connector port as follows:
   - **6a.** Deposit *one drop* of optical-grade liquid cleaner on a lint-free wiping cloth.

IMPORTANT

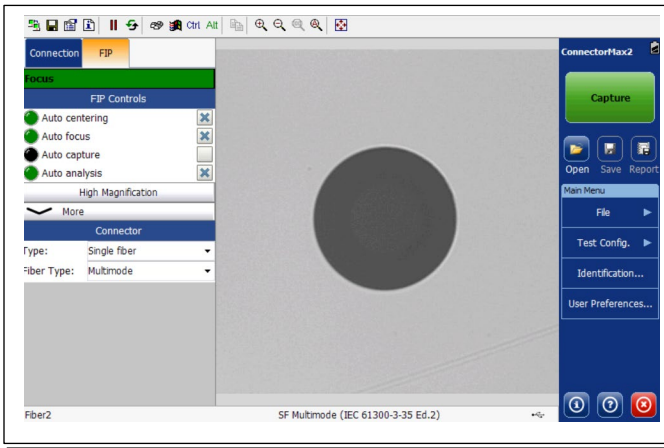
Avoid contact between the tip of the bottle and the wiping cloth, and dry the surface quickly.

   - **6b.** Gently wipe the connector and ferrule.
   - **6c.** With a dry lint-free wiping cloth, gently wipe the same surfaces to ensure that the connector and ferrule are perfectly dry.
   - **6d.** Verify connector surface with a fiber inspection probe (for example, EXFO's FIP).
7. Put the EUI back onto the instrument (push and turn clockwise).
8. Throw out cleaning tips and wiping cloths after one use.

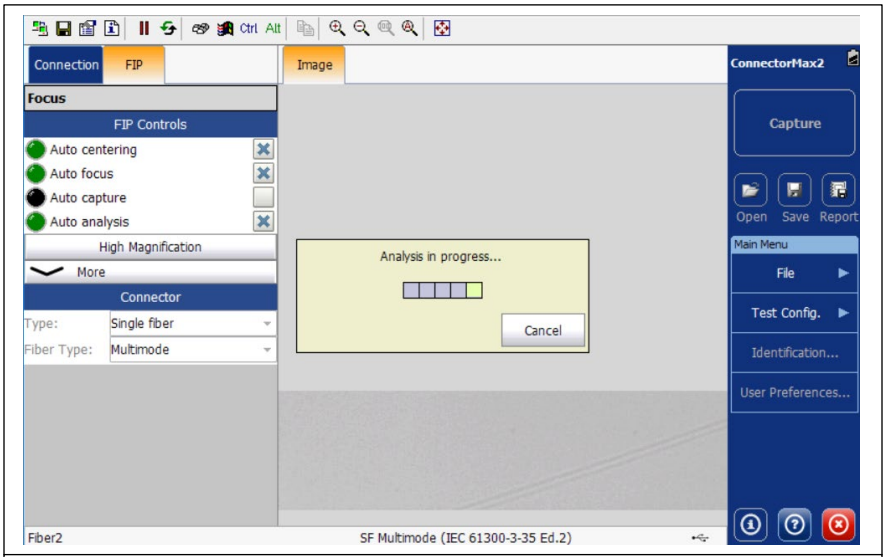


Step 2: Ensure the correct adaptor is connected to the USB Scope (ST Adaptor). With the EUI Adaptor removed, insert the tip of the fiber inspection probe into the Source Ferrule on the EXFO 945. If the Auto Centering and Auto Focus are not enabled, check the boxes to enable these options. The display will now show the surface of the Source Ferrule.

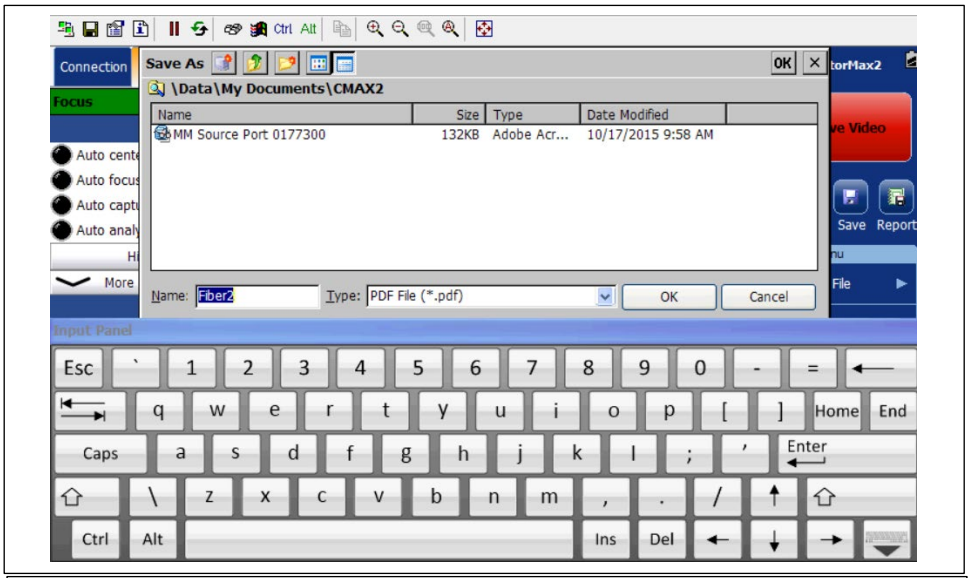
Step 3: Insert the tip of the 2.5mm Mechanical Cleaner onto the Source Ferrule and push the outer shell into the cleaner. The cleaner will make a clicking sound to indicate that the cleaning is done. This should be done twice.



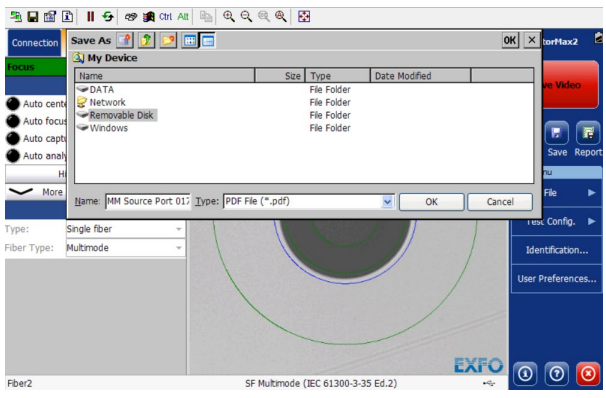
Step 4: After using the mechanical cleaner, insert the fiber inspection probe onto the source ferrule to verify that any debris has been removed. The surface of the end face should be free from any scratches, dirt, and oil. If there are still any contaminants remaining, then repeat step 3.

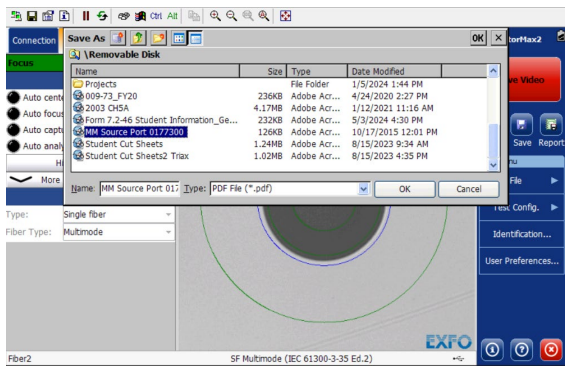


Step 5: Once the source ferrule is clean, click the report icon on the right side of the display. A report will begin to be generated.

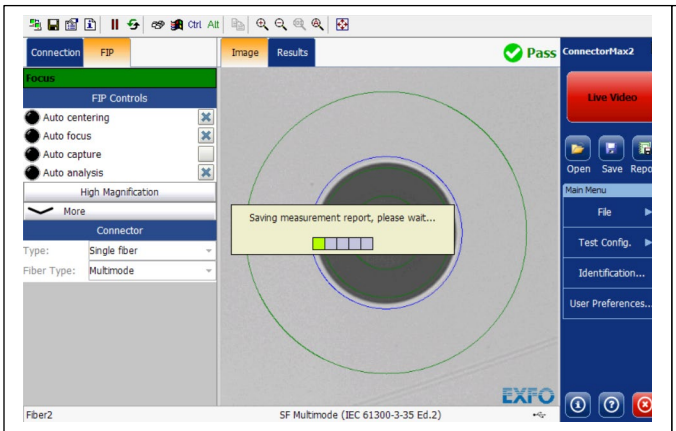


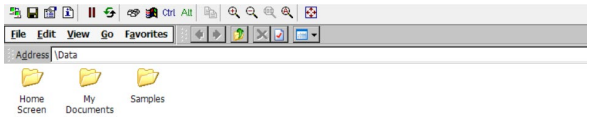
Step 6: Change the name of the report and ensure the file type is in PDF format. If not PDF, then select the 'type' dropdown and select PDF.



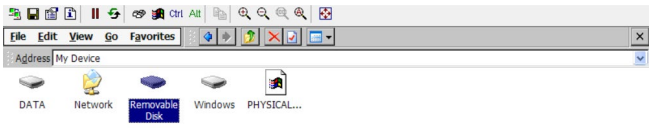


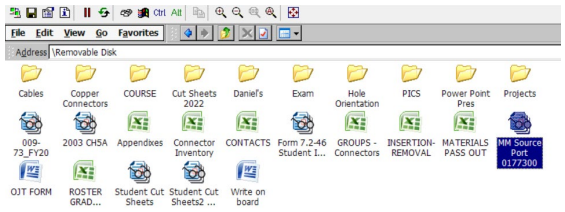
Step 7: Navigate to the USB device and select the folder to save the report.

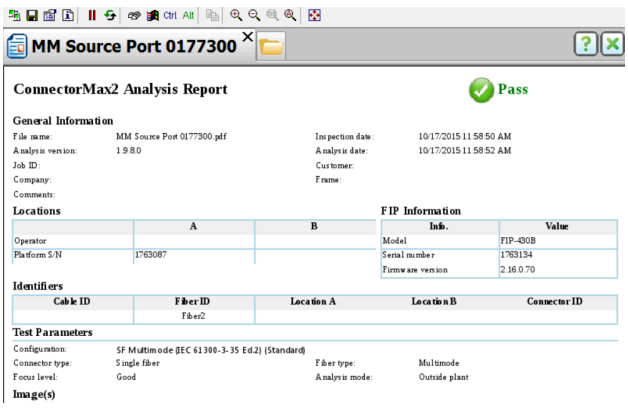


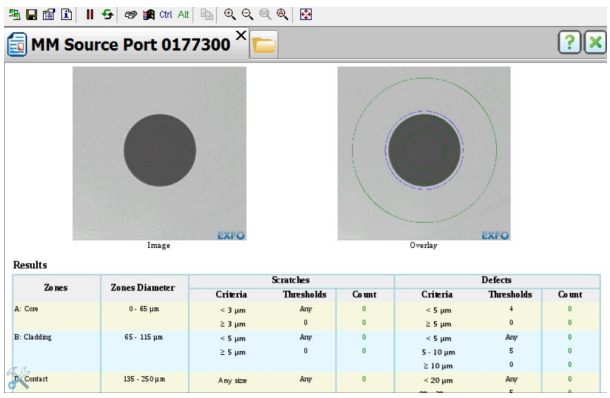


Step 8: The generated report will be saved to the selected location. To view the report, press the home softkey. Select the file explorer icon and navigate to the file location.









Step 9: Verify the report was generated currently. Return the EUI Adapter to the original location and repeat the process for the other ST Source Ferrule.