



Chapter 8.50

IR Inspection Camera

(ircam)

(382)

1.0 Equipment Purpose

1.1 Ircam is a quick and easy inspection camera for through-sample IR imaging.

2.0 Material Controls & Compatibility

2.1 No uncured polymers may make contact with ircam components.

3.0 Training Procedure & Applicable Documents

3.1 Member Qualify Tool

3.1.1 This tool may requires enabling for use

3.1.2 There are no prerequisites

3.1.3 Timeline (estimated time to completion: 1 day)

3.1.3.1 Train and qualify with any qualified member. All qualified members are superusers on this tools.

4.0 Definitions & Process Terminology

4.1 Infrared: Light wavelengths between 700nm and 1mm.

5.0 Safety

5.1 Lamps get hot – turn off when not in use, and do not touch the lamp!

6.0 Process Data

6.1 This tool has not been characterized by staff

7.0 Available Processes, Gases, Process Notes

7.1 Inspection for voids with IR light.

8.0 Equipment Operation

8.1 Enable ircam.

8.2 Plug in your USB drive. (an icon should appear on the desktop for it)

8.3 Double click “IRCAM”.

8.4 Turn on lamp. (adjust brightness)

8.5 Hit “Enter” to capture an image. It will appear on the desktop as ircam.jpg.

8.6 Close program with CTRL+C.

8.7 Move picture to your USB drive. Rename as necessary.

8.8 Delete the image from the desktop

8.9 Eject USB drive.

8.10 Turn off the lamp

8.10.1 Turning off the lamp is critical for safety and longevity of the tool

8.11 Disable ircam.

9.0 **Troubleshooting Guidelines**

9.1 Lamp will not turn on:

9.1.1 Check that hydra enable has been engaged properly. If it has, report a problem.