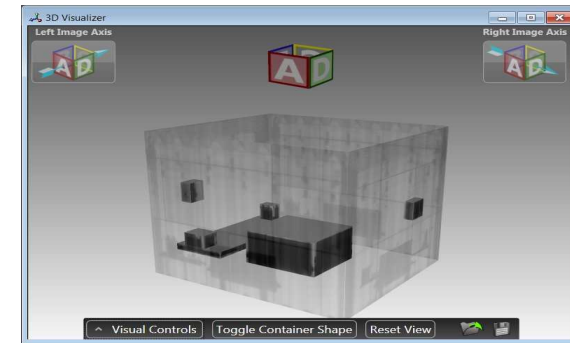
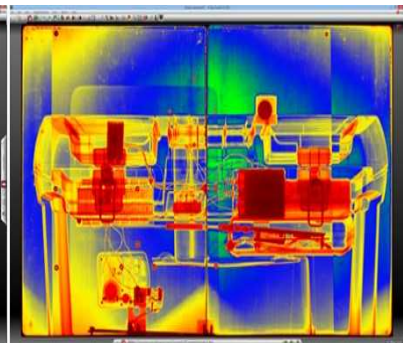


*Exceptional service in the national interest*



# X-Ray ToolKit and other EOD Applications

Jake Deuel, Manager  
Robotic & Security Systems

# Agenda

- XTK 2.4 SP1
  - Brief description
    - What is XTK?
    - Can I get a copy? How?
  - Daily Use
  - Advanced Features
- Training and Support

# Agenda (continued)

## ■ Related Apps

- Windows APP XTK
- Android XTK
- Dose Calculator
- DataShare

## ■ Future Development

- XTK 2.4 SP2
- XTK 3?
- Reachback?

# A Question for later

Where do you see the future of your computing hardware going?

1. Basic Windows based laptop?
2. Windows based touch/mobile devices?
3. True mobile device – tablet, phones, etc.?

Think about what your answer might be, I'll ask you again later.

# XTK Overview

- X-ray image processing application created for WMD mission
- National Guidelines for Bomb Technicians (Apr 2016)
  - Sec 6.7 – Recommended Operational Equipment
    - X-Ray Toolkit (**XTK**)™ software
- Free download for \*approved\* users
  - US EOD Community to include:
    - Federal, State and Local government
  - ?? Non-US ??

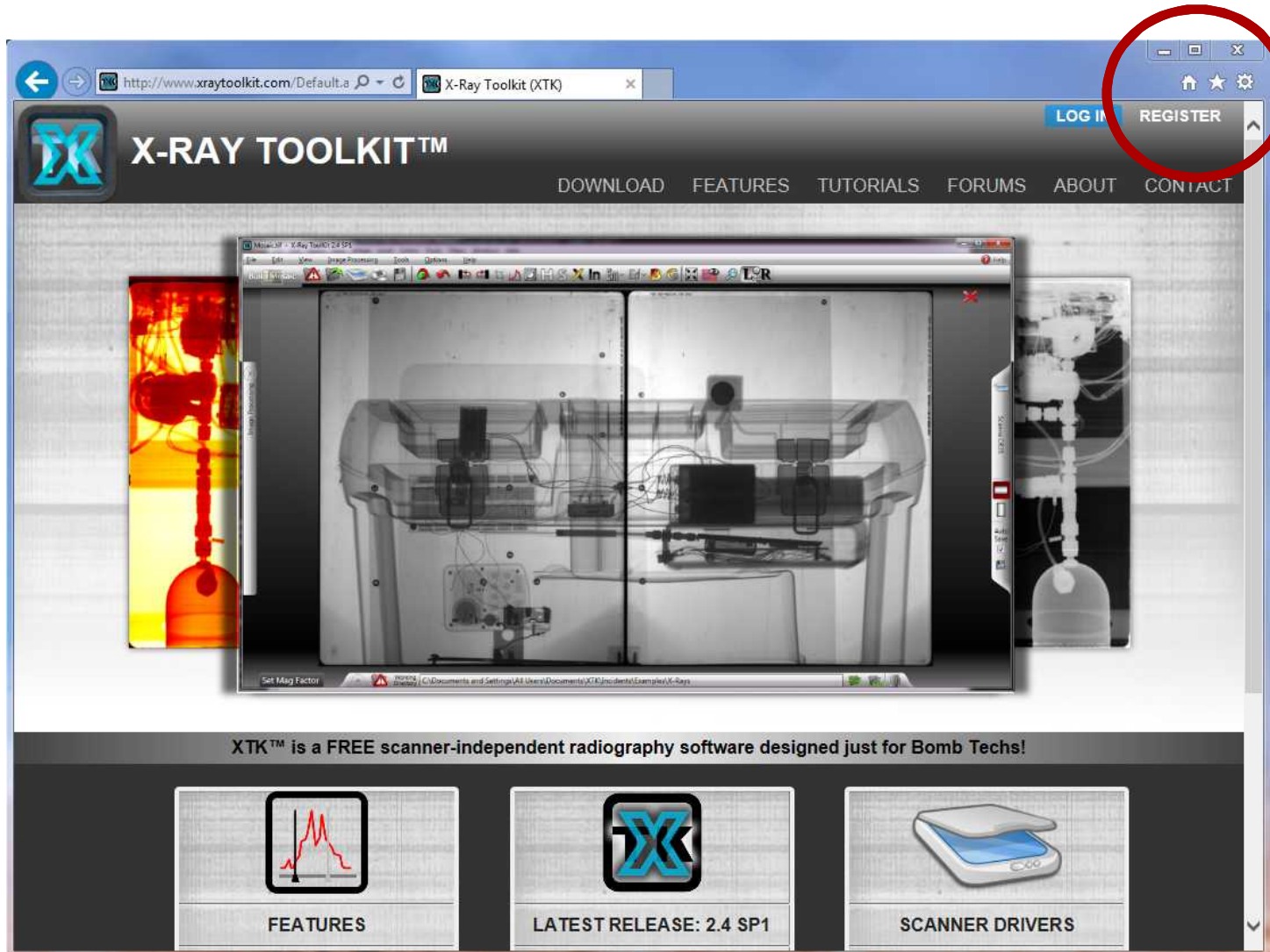
[www.xraytoolkit.com](http://www.xraytoolkit.com)

# How to be approved

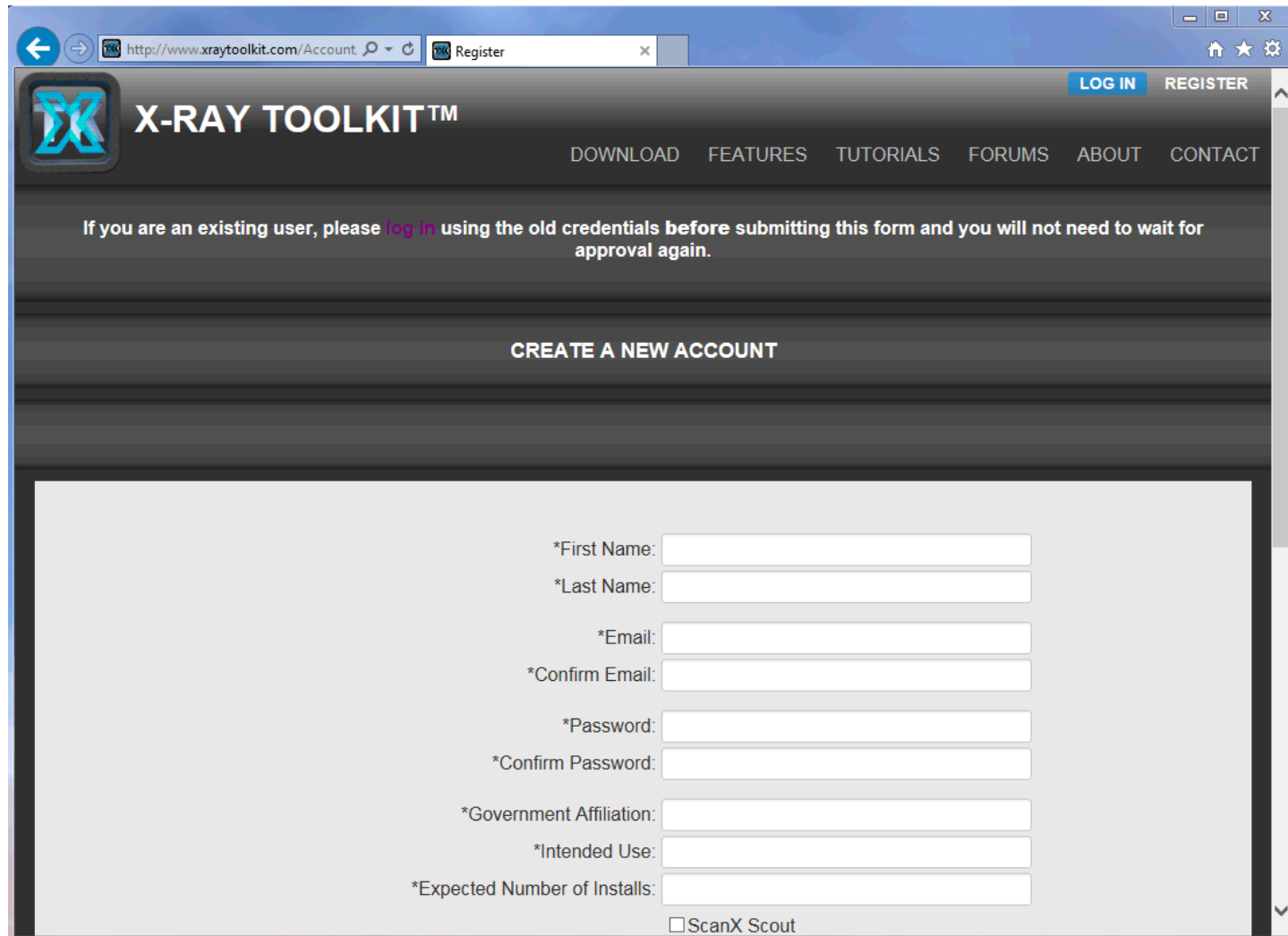
- Register at [www.xraytoolkit.com](http://www.xraytoolkit.com)
- Information verified
- Login information provided immediately
  - US government agency & military personnel
  - Other US EOD team
- Additional information & license required
  - Foreign EOD
    - End User license, Export control Review,  
~\$150/user fee

# How to be approved (cont.)

- Additional information & license required
  - X-ray panel vendor
    - No cost Test & Evaluation license
  - Training company
    - Training License + Certification Requirements



The screenshot displays the X-Ray Toolkit website in a browser window. The browser's address bar shows the URL <http://www.xraytoolkit.com/Default.aspx>. The website header includes the X-Ray Toolkit logo, the text "X-RAY TOOLKIT™", and navigation links for "DOWNLOAD", "FEATURES", "TUTORIALS", "FORUMS", "ABOUT", and "CONTACT". A "LOG IN" and "REGISTER" button is also present. A red circle highlights the browser window's title bar and navigation icons. The main content area features a large 3D model of a scanner, flanked by two vertical strips of X-ray images. Below the model, a text box states: "XTK™ is a FREE scanner-independent radiography software designed just for Bomb Techs!". At the bottom, three buttons are visible: "FEATURES" (with a graph icon), "LATEST RELEASE: 2.4 SP1" (with the XTK logo), and "SCANNER DRIVERS" (with a scanner icon).



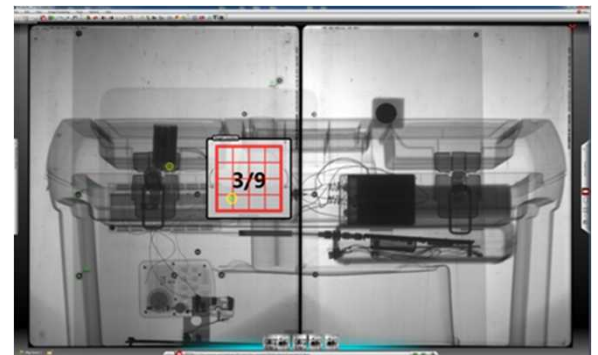
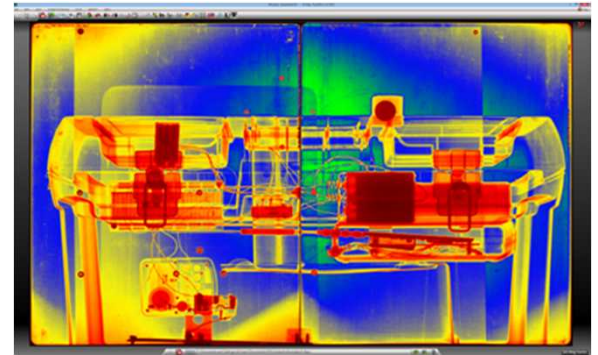
The screenshot shows a web browser window with the URL <http://www.xraytoolkit.com/Account> and a tab titled "Register". The page header includes the X-Ray Toolkit logo and the text "X-RAY TOOLKIT™". Navigation links for "DOWNLOAD", "FEATURES", "TUTORIALS", "FORUMS", "ABOUT", and "CONTACT" are visible. In the top right corner, there are "LOG IN" and "REGISTER" buttons. A message states: "If you are an existing user, please [log in](#) using the old credentials before submitting this form and you will not need to wait for approval again." Below this is a section titled "CREATE A NEW ACCOUNT" containing a registration form with the following fields:

- \*First Name:
- \*Last Name:
- \*Email:
- \*Confirm Email:
- \*Password:
- \*Confirm Password:
- \*Government Affiliation:
- \*Intended Use:
- \*Expected Number of Installs:

At the bottom of the form, there is a checkbox labeled "ScanX Scout".

# XTK 2.4 SP1

- Incident Management
- Image Acquisition
- Image Processing
- Mosaic Stitching
- Grid Aim
- Measurements
- Pulse Calculator
- 3D Visualizer



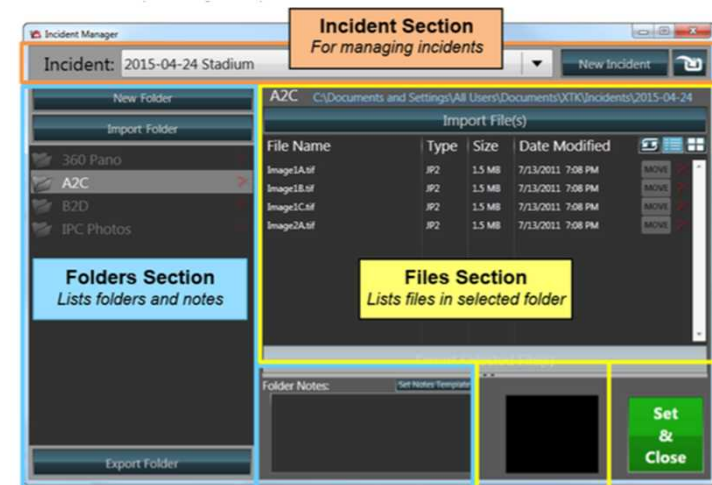
# Incident Manager (IM)

IM manages all the various files generated during an incident, providing the ability to:

**Incident Section** - Create, import/export, and select existing incidents.

**Folders Section** - Create and manage the importing and exporting of folders.

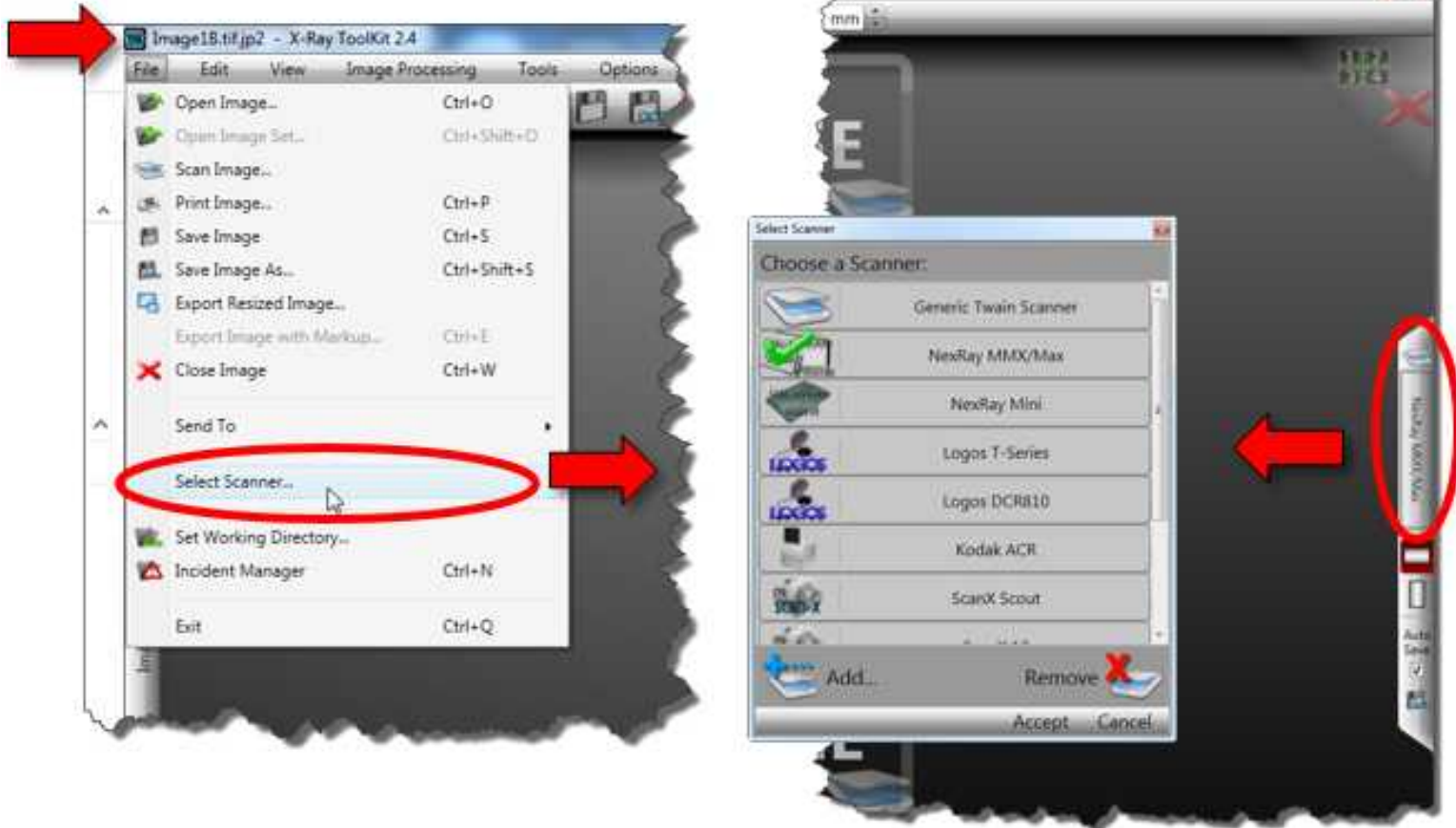
**Files Section** - Manage the folders' files and view them (see Figure 4).



# Incident Manager

- Manage collected data
- Organize your images and other files
- Import and export folders / file with optional file compression
- Create notes for specific folder or create a template note for all folders

# Image Acquisition



***Various ways to import data into XTK. Choosing the right equipment for that task is important.***

# Scanners

- ScanX - Scout, 12, 14
- Scanna CR35
- NexRay - Mini, MMX/Max
- Logos - T-Series, DCR810
- Kodak ACR
- VMI
- Vadisco

# XTK 2.4 SP1

- Incident Management
- Image Acquisition
- **Image Processing**
- Mosaic Stitching
- Grid Aim
- Measurements
- Pulse Calculator
- 3D Visualizer

# Image Processing Summary

- Auto Enhance
- Histogram Equalize
- Manual Histogram Manipulation
- False Coloring
- Emboss
- Edge Detection
- Region of Interest Processing

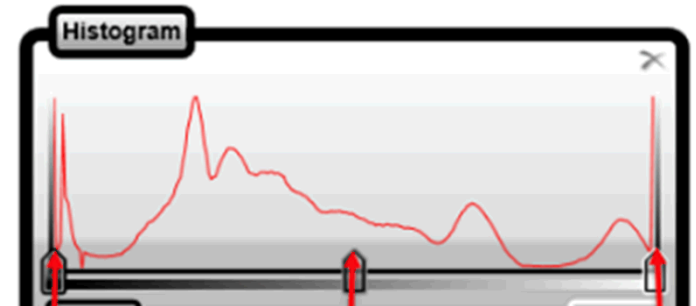
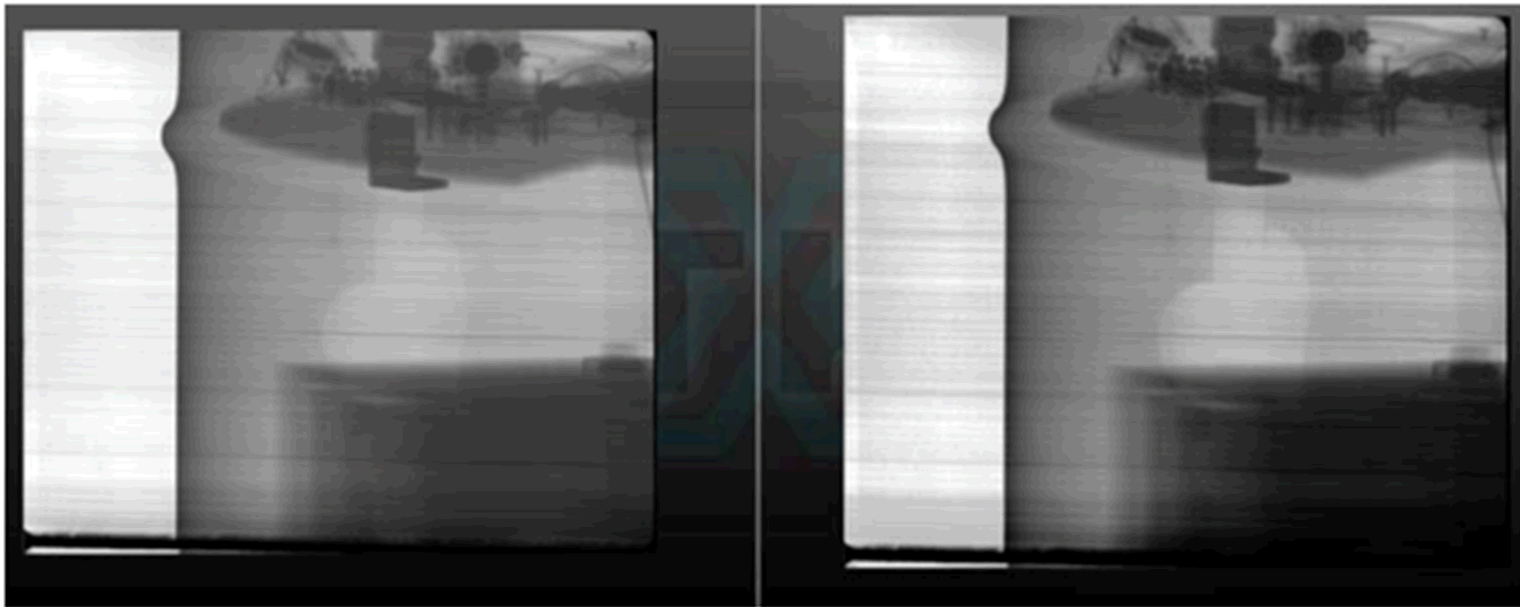
# Auto Enhance



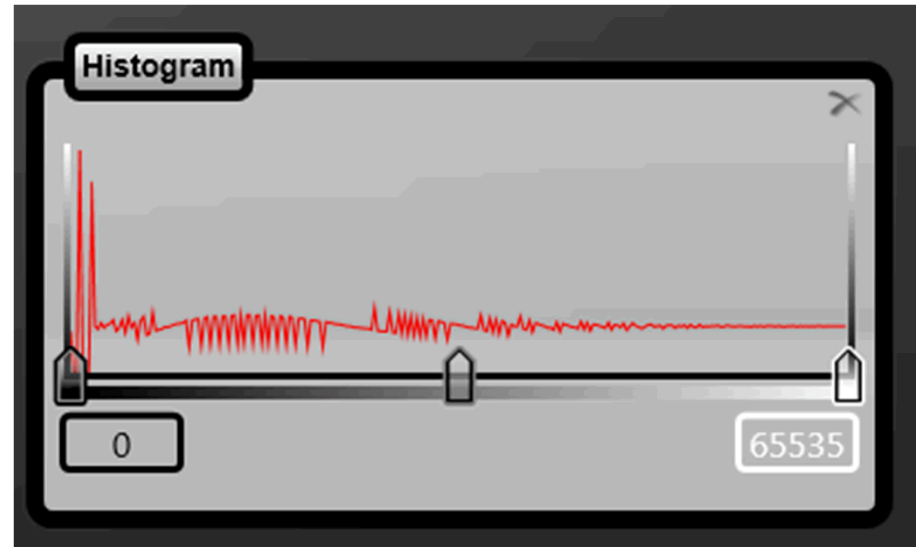
# Auto Enhance (video)



# Histogram



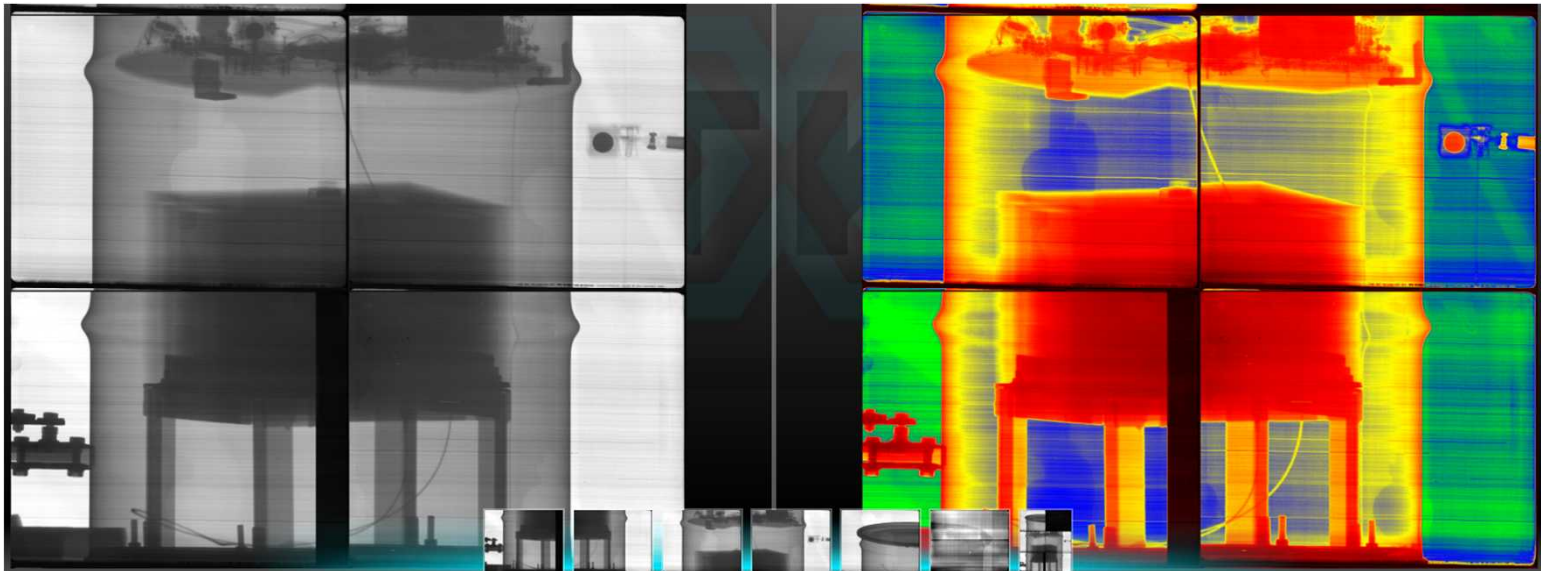
# Histogram Equalization



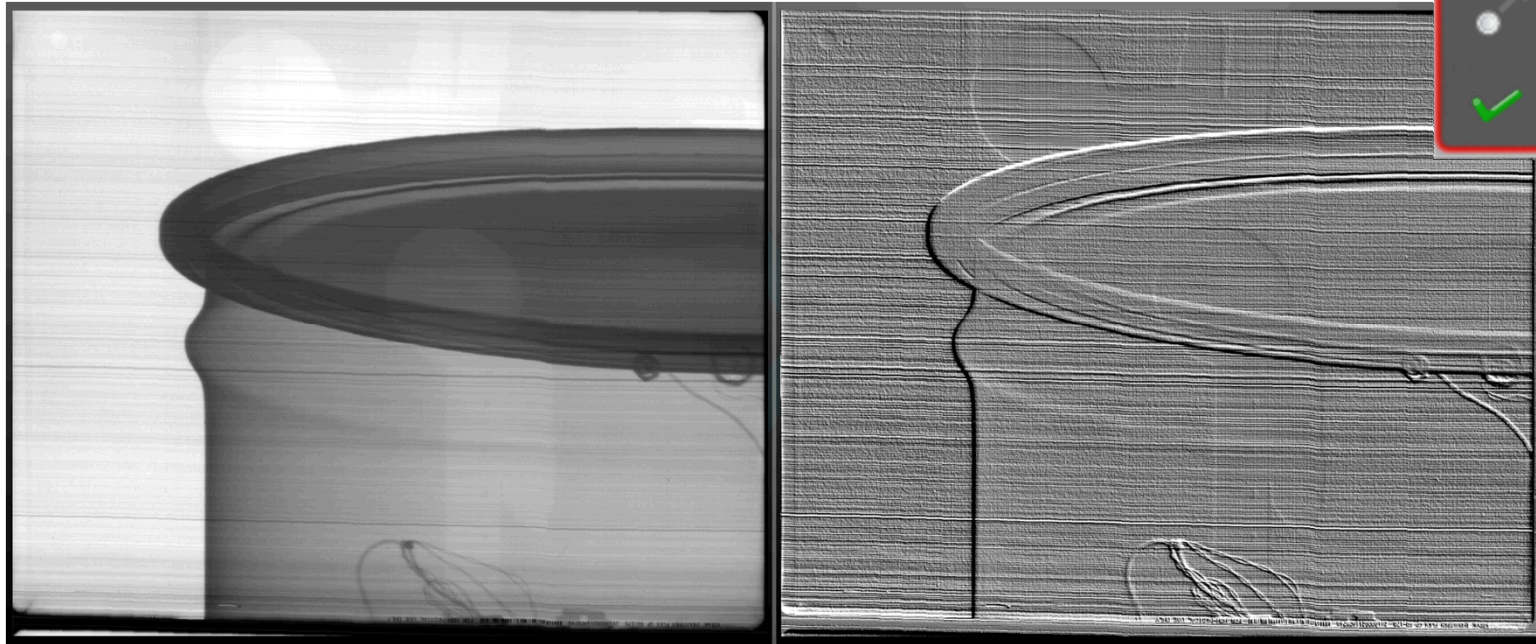
# Histogram Equalization (video)



# XTK Color Palette

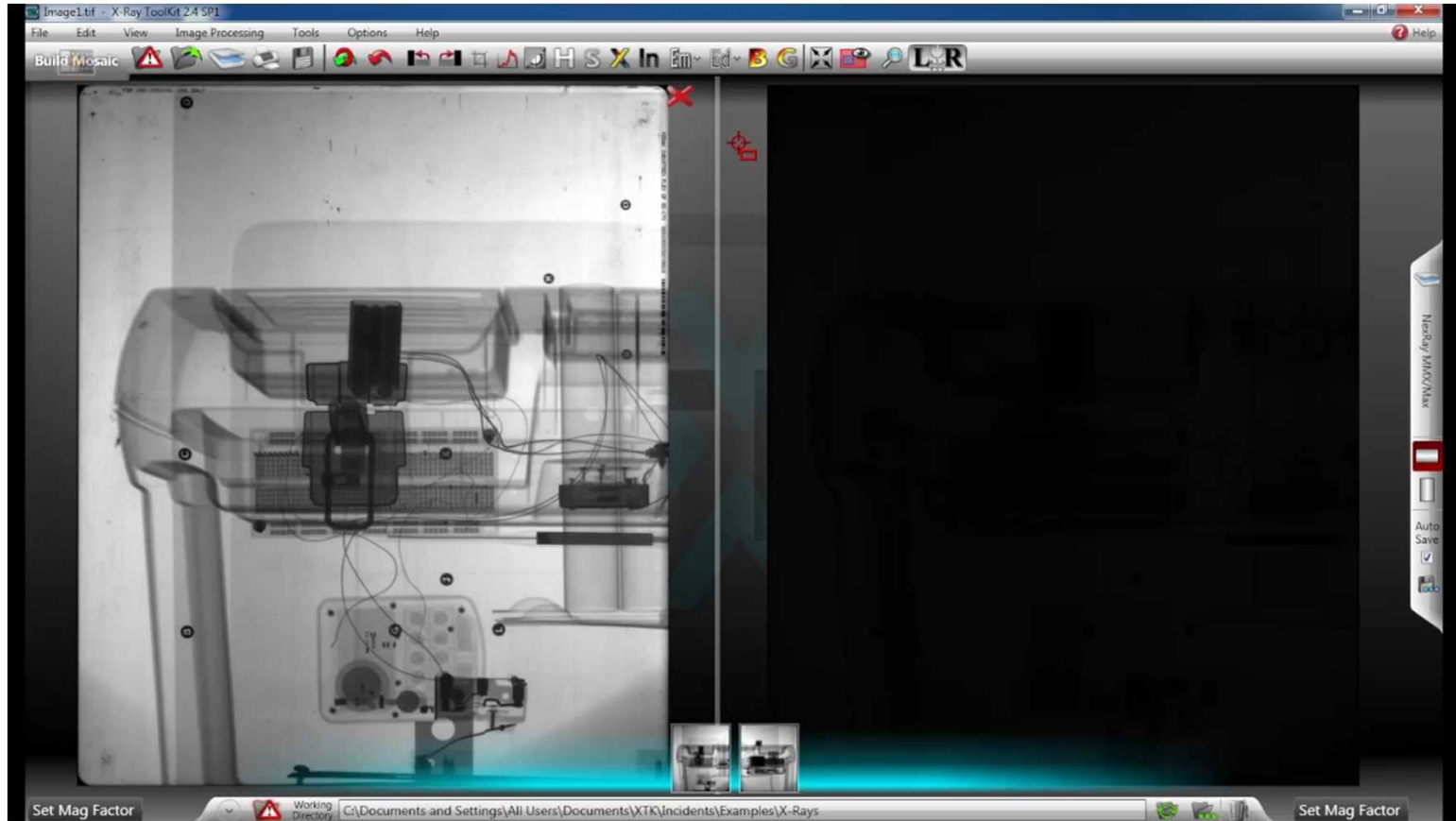


# Emboss

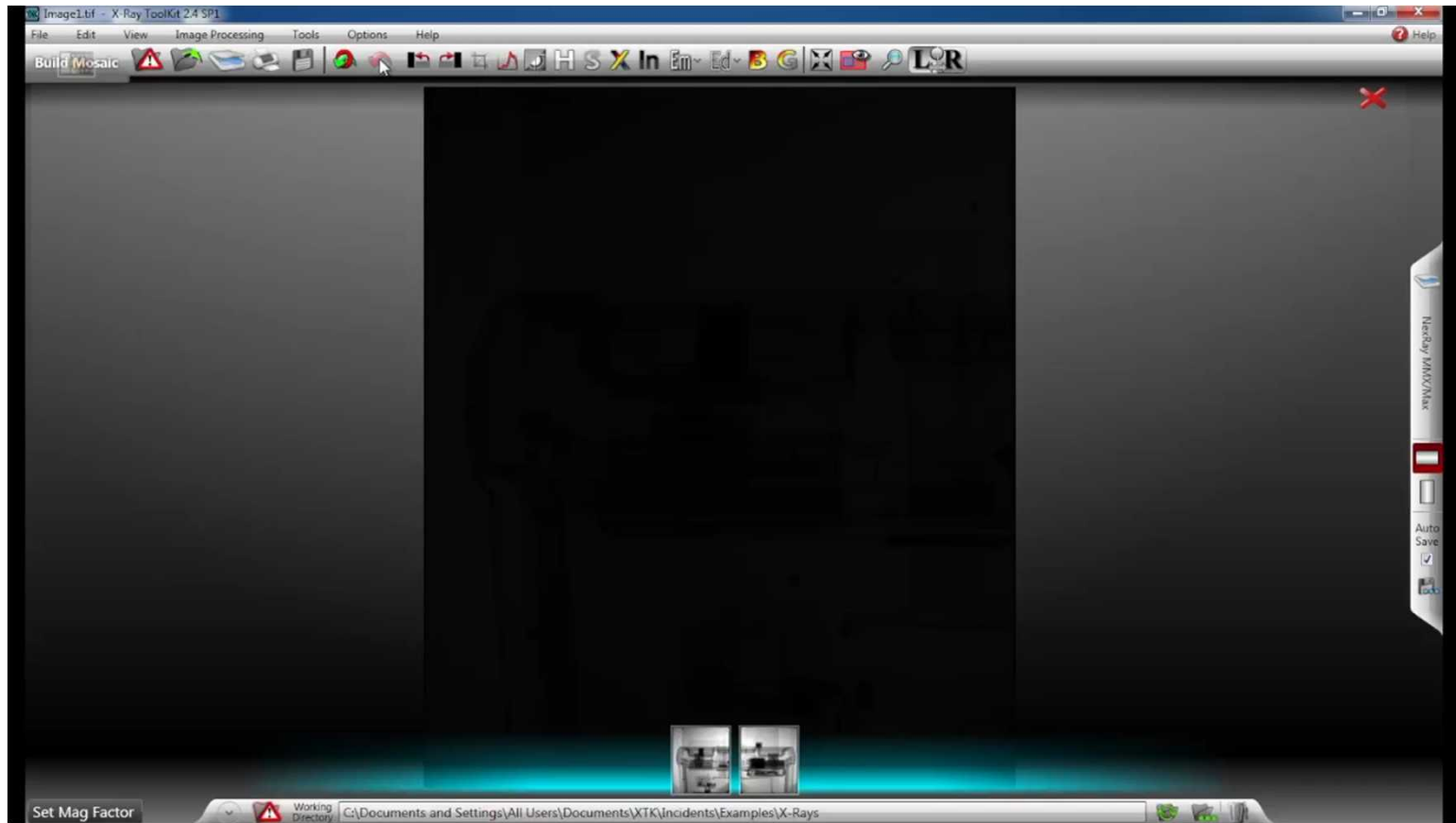




# Image Processing Video



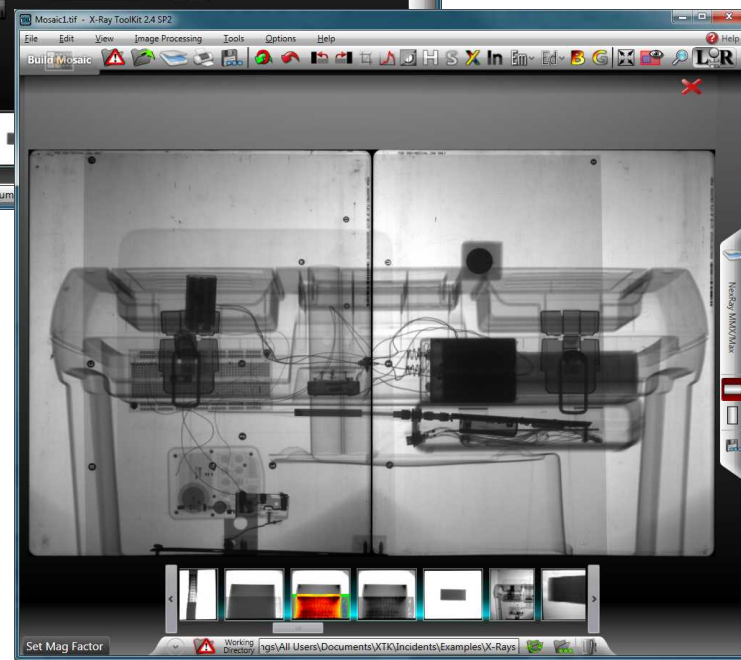
# Region of Interest



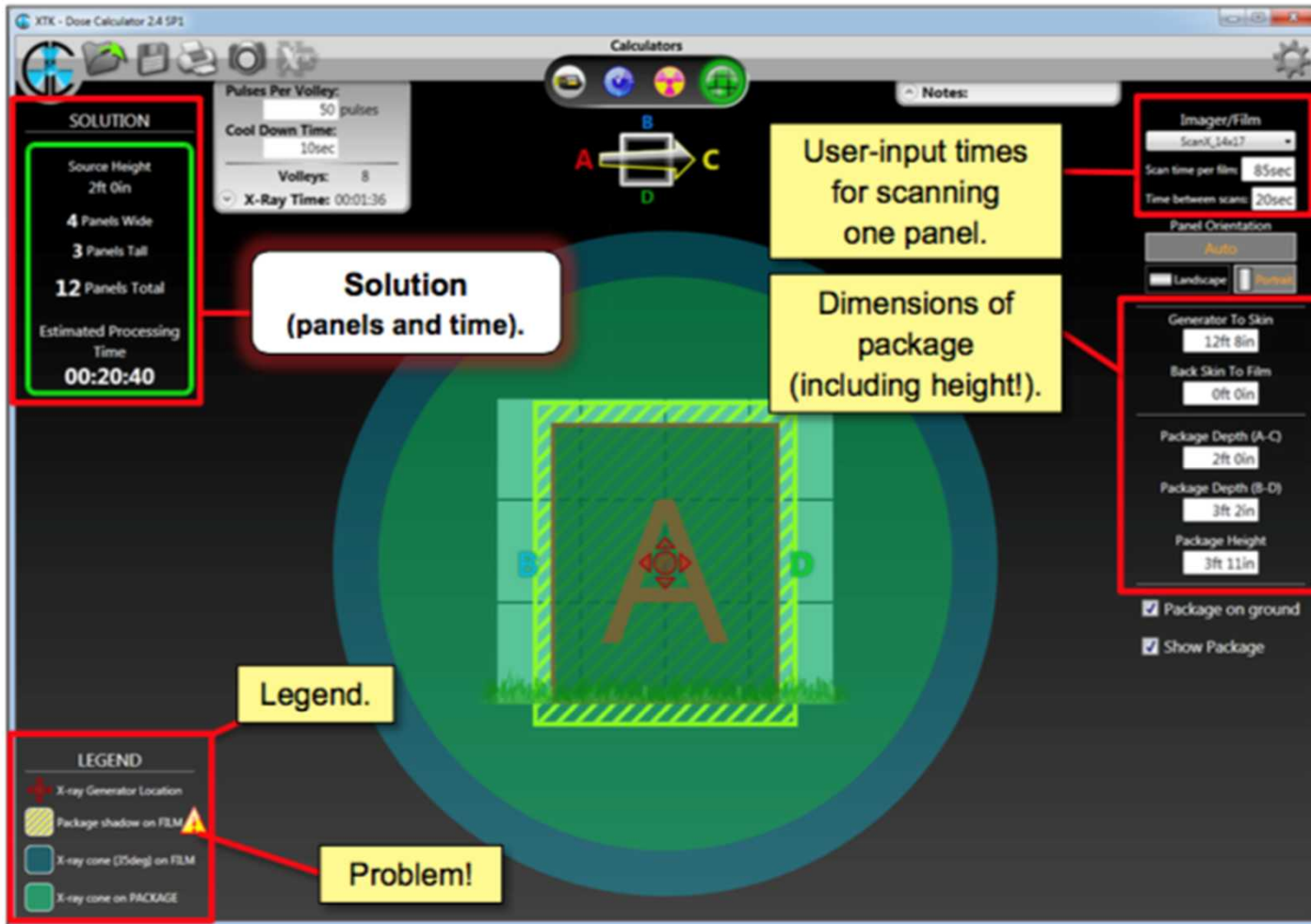
# XTK 2.4 SP1

- Incident Management
- Image Acquisition
- Image Processing
- **Mosaic Stitching**
- Grid Aim
- Measurements
- Pulse Calculator
- 3D Visualizer

# Mosaic Stitching



# Mosaic Layout Calculator (TAB 4)



The screenshot shows the 'Mosaic Layout Calculator' software interface. The main window displays a central diagram of a package layout on a film, with a red 'A' indicating the X-ray generator location and a yellow hatched area representing the package shadow. The interface is annotated with several callouts:

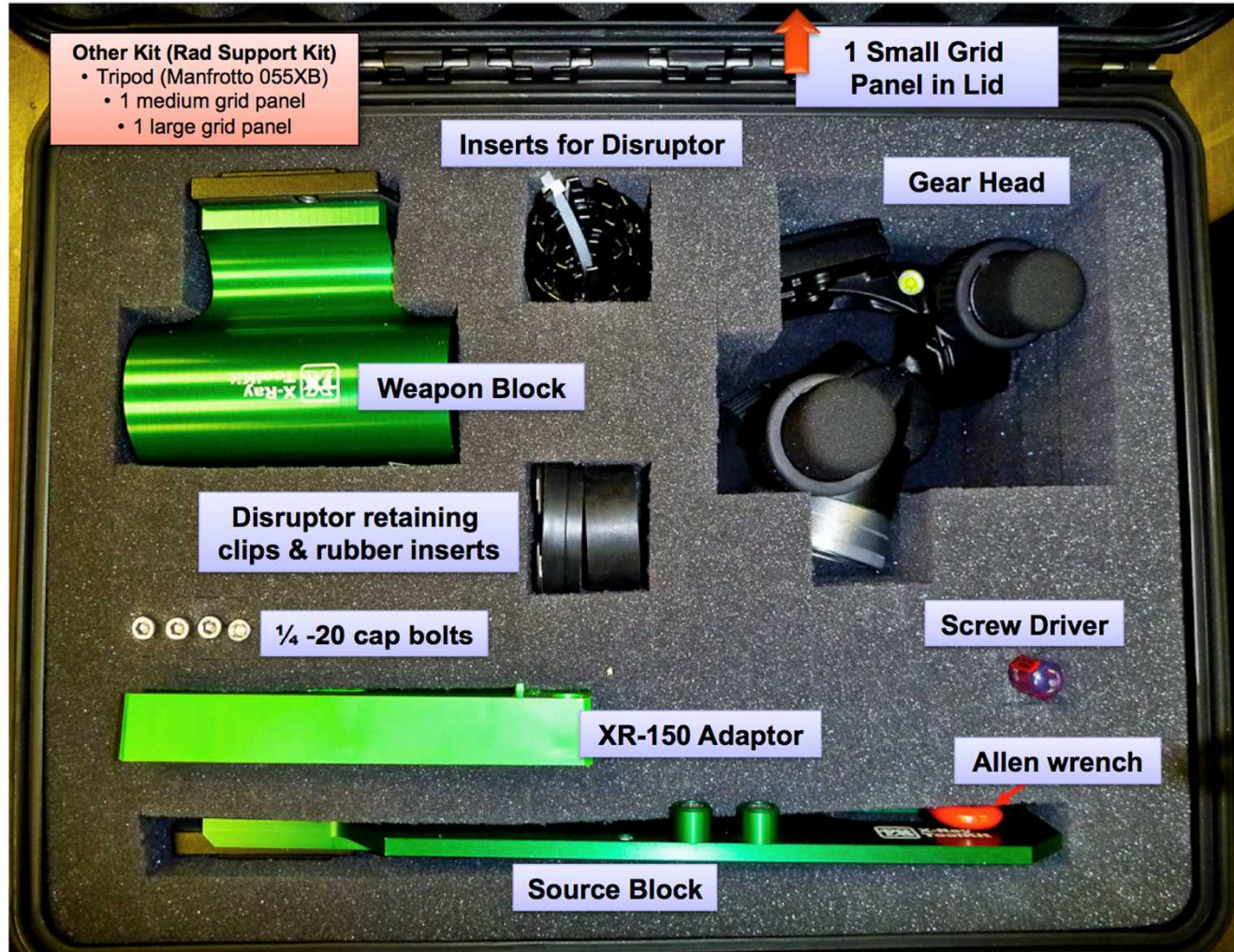
- SOLUTION (panels and time):** A callout pointing to the 'SOLUTION' panel on the left, which lists: Source Height 2ft 0in, 4 Panels Wide, 3 Panels Tall, 12 Panels Total, and Estimated Processing Time 00:20:40.
- User-input times for scanning one panel:** A callout pointing to the 'Imager/Film' panel on the right, which shows: Scan time per film 85sec and Time between scans 20sec.
- Dimensions of package (including height!):** A callout pointing to the 'Generator To Skin', 'Back Skin To Film', 'Package Depth (A-C)', 'Package Depth (B-D)', and 'Package Height' panels on the right.
- Legend:** A callout pointing to the 'LEGEND' panel at the bottom left, which defines: X-ray Generator Location (red cross), Package shadow on FILM (yellow hatched), X-ray cone (35deg) on FILM (blue circle), and X-ray cone on PACKAGE (green circle).
- Problem!:** A callout pointing to a yellow warning triangle icon in the legend panel.

The software interface also includes a top toolbar with icons for file operations, a 'Calculators' section with a diagram showing dimensions A, B, C, and D, and a 'Notes' section.

# XTK 2.4 SP1

- Incident Management
- Image Acquisition
- Image Processing
- Mosaic Stitching
- **Grid Aim**
- Measurements
- Pulse Calculator
- 3D Visualizer

# Grid Aim Kit



# Grid Aim Setup

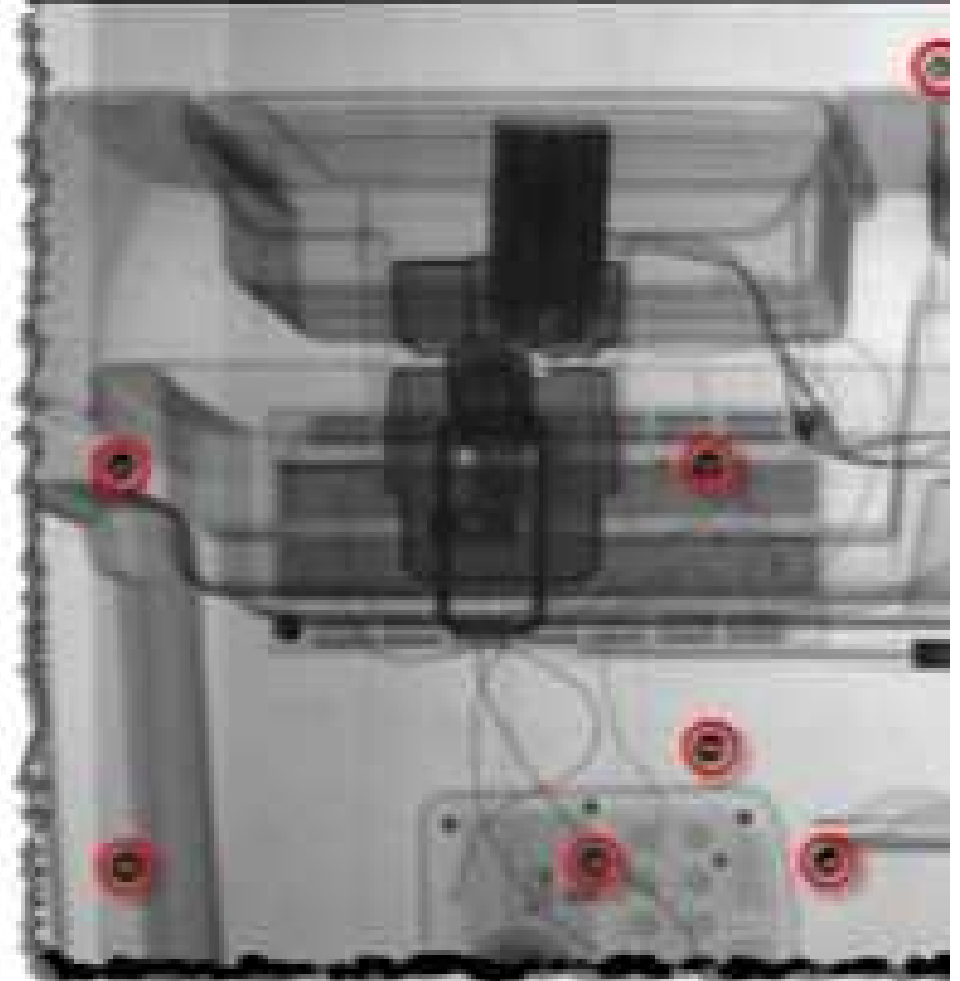
1. Setup tripod with XRS-3.
2. Place film behind IPC and grid panel in front.
3. Shoot x-ray and remove film.  
*Don't move the grid!*
4. In XTK, turn on Grid Aim and process film.
5. Determine grid coordinates for area of disruption.
6. Replace XRS-3 generator on tripod with disrupter. *Don't move tripod!*
7. Insert laser into bore. *Don't move tripod!*
8. Aim laser pointer at grid coordinate.
9. Remove bore-sighted laser and grid panel. Fire disrupter.



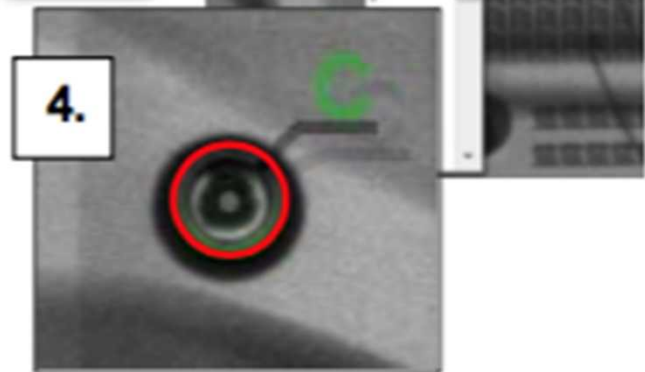
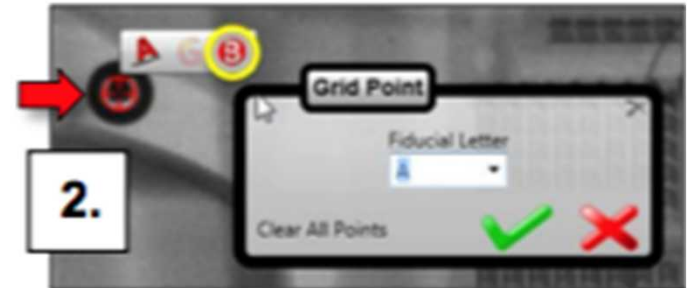
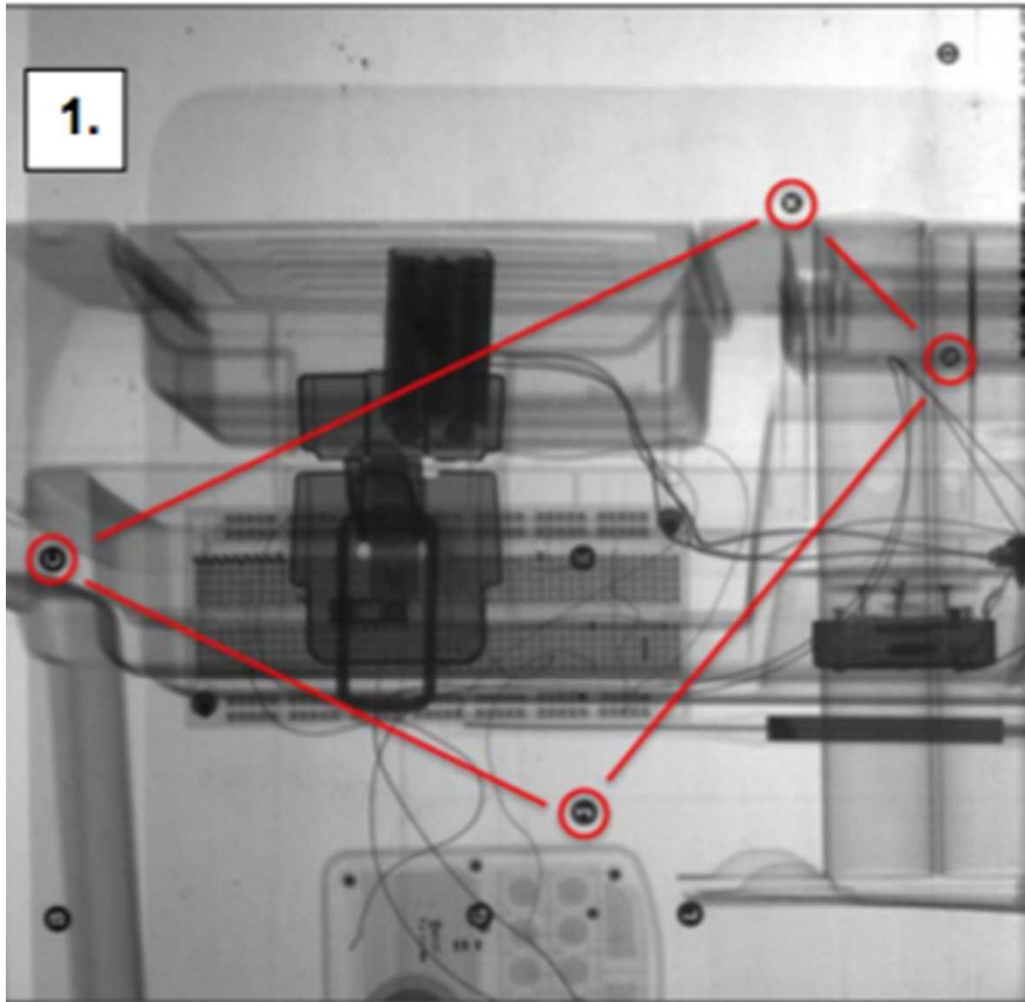
**Grid panel in  
front of IPC**

3	4/4	4/5	4/6	4/7	4/8	4/9	4/10	4/11	4/12	4/13
3	5/4	5/5	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/13
3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13
3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13
3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13
3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13
3	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13
3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13
3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13
3	13/4	13/5	13/6	13/7	13/8	13/9	13/10	13/11	13/12	13/13

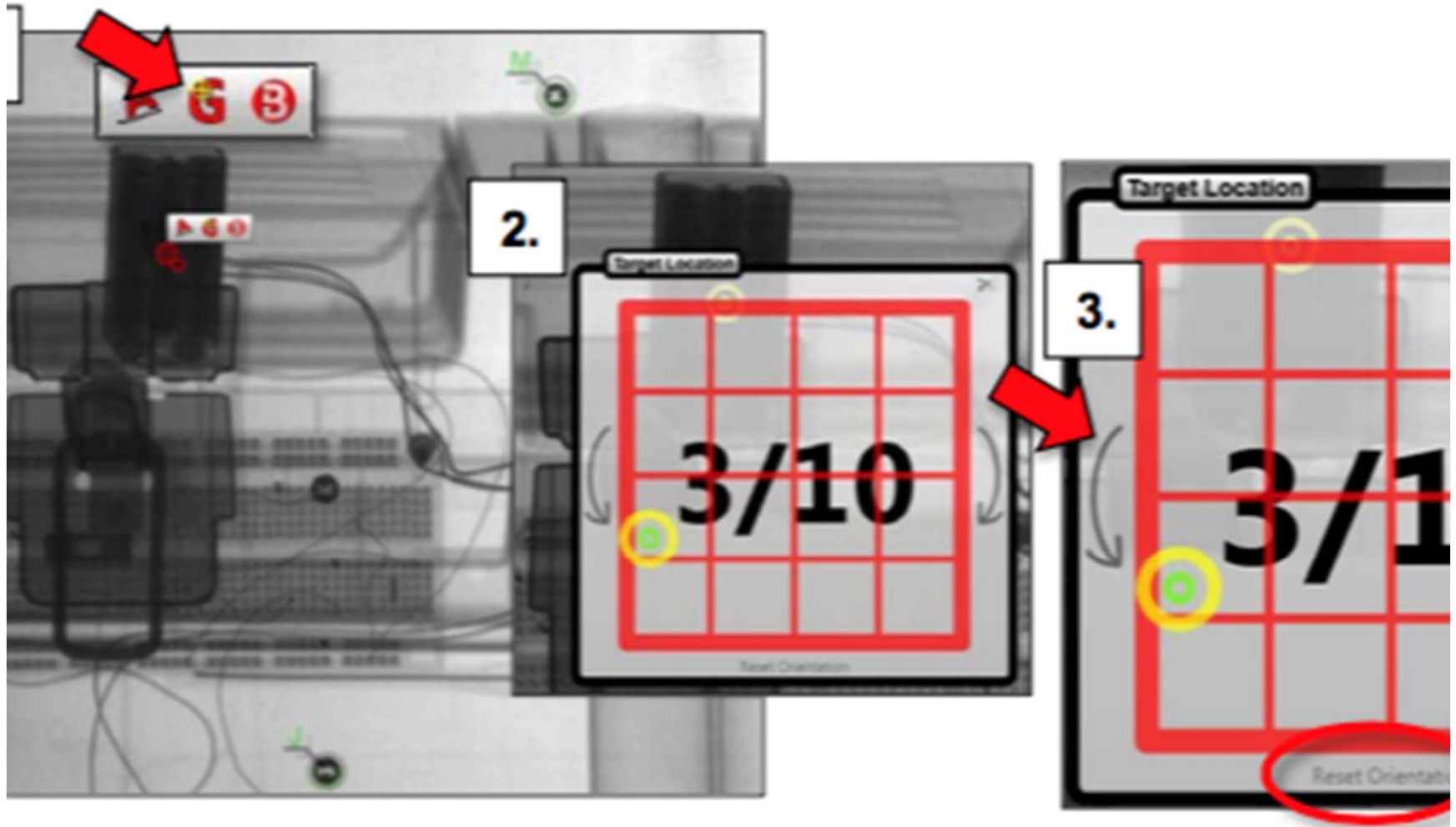
# Grid Aim Operations



# Grid Aim Operations cont.

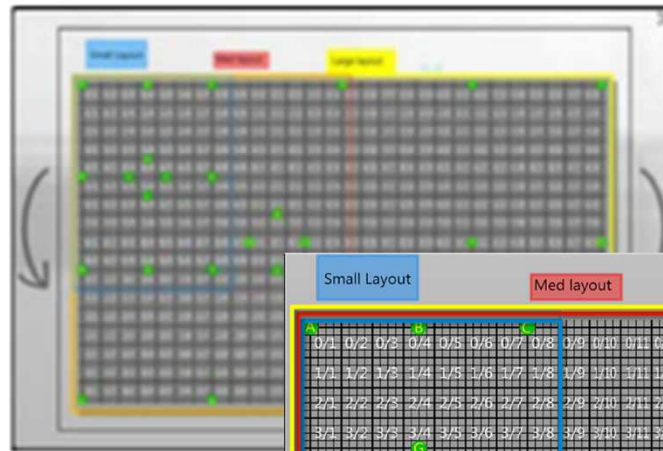
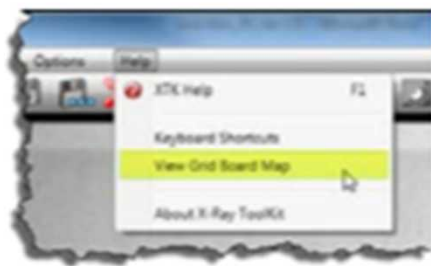


# Grid Aim Operations cont.



# Grid Aim Operations cont.

Go to **Help > View Grid Board Map** (see Figure 115).



Small layout										Med layout										Large layout																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
A	0/1	0/2	0/3	0/4	0/5	0/6	0/7	0/8	0/9	0/10	0/11	0/12	0/13	0/14	0/15	0/16	0/17	0/18	0/19	0/20	0/21	0/22	0/23	0/24	0/25	0/26	0/27	0/28	0/29	0/30	0/31	0/32	0/33	0/34	0/35	0/36	0/37	0/38	0/39	0/40	0/41	0/42	0/43	0/44	0/45	0/46	0/47	0/48	0/49	0/50	0/51	0/52	0/53	0/54	0/55	0/56	0/57	0/58	0/59	0/60	0/61	0/62	0/63	0/64	0/65	0/66	0/67	0/68	0/69	0/70	0/71	0/72	0/73	0/74	0/75	0/76	0/77	0/78	0/79	0/80	0/81	0/82	0/83	0/84	0/85	0/86	0/87	0/88	0/89	0/90	0/91	0/92	0/93	0/94	0/95	0/96	0/97	0/98	0/99	0/100	0/101	0/102	0/103	0/104	0/105	0/106	0/107	0/108	0/109	0/110	0/111	0/112	0/113	0/114	0/115	0/116	0/117	0/118	0/119	0/120	0/121	0/122	0/123	0/124	0/125	0/126	0/127	0/128	0/129	0/130	0/131	0/132	0/133	0/134	0/135	0/136	0/137	0/138	0/139	0/140	0/141	0/142	0/143	0/144	0/145	0/146	0/147	0/148	0/149	0/150	0/151	0/152	0/153	0/154	0/155	0/156	0/157	0/158	0/159	0/160	0/161	0/162	0/163	0/164	0/165	0/166	0/167	0/168	0/169	0/170	0/171	0/172	0/173	0/174	0/175	0/176	0/177	0/178	0/179	0/180	0/181	0/182	0/183	0/184	0/185	0/186	0/187	0/188	0/189	0/190	0/191	0/192	0/193	0/194	0/195	0/196	0/197	0/198	0/199	0/200	0/201	0/202	0/203	0/204	0/205	0/206	0/207	0/208	0/209	0/210	0/211	0/212	0/213	0/214	0/215	0/216	0/217	0/218	0/219	0/220	0/221	0/222	0/223	0/224	0/225	0/226	0/227	0/228	0/229	0/230	0/231	0/232	0/233	0/234	0/235	0/236	0/237	0/238	0/239	0/240	0/241	0/242	0/243	0/244	0/245	0/246	0/247	0/248	0/249	0/250	0/251	0/252	0/253	0/254	0/255	0/256	0/257	0/258	0/259	0/260	0/261	0/262	0/263	0/264	0/265	0/266	0/267	0/268	0/269	0/270	0/271	0/272	0/273	0/274	0/275	0/276	0/277	0/278	0/279	0/280	0/281	0/282	0/283	0/284	0/285	0/286	0/287	0/288	0/289	0/290	0/291	0/292	0/293	0/294	0/295	0/296	0/297	0/298	0/299	0/300	0/301	0/302	0/303	0/304	0/305	0/306	0/307	0/308	0/309	0/310	0/311	0/312	0/313	0/314	0/315	0/316	0/317	0/318	0/319	0/320	0/321	0/322	0/323	0/324	0/325	0/326	0/327	0/328	0/329	0/330	0/331	0/332	0/333	0/334	0/335	0/336	0/337	0/338	0/339	0/340	0/341	0/342	0/343	0/344	0/345	0/346	0/347	0/348	0/349	0/350	0/351	0/352	0/353	0/354	0/355	0/356	0/357	0/358	0/359	0/360	0/361	0/362	0/363	0/364	0/365	0/366	0/367	0/368	0/369	0/370	0/371	0/372	0/373	0/374	0/375	0/376	0/377	0/378	0/379	0/380	0/381	0/382	0/383	0/384	0/385	0/386	0/387	0/388	0/389	0/390	0/391	0/392	0/393	0/394	0/395	0/396	0/397	0/398	0/399	0/400	0/401	0/402	0/403	0/404	0/405	0/406	0/407	0/408	0/409	0/410	0/411	0/412	0/413	0/414	0/415	0/416	0/417	0/418	0/419	0/420	0/421	0/422	0/423	0/424	0/425	0/426	0/427	0/428	0/429	0/430	0/431	0/432	0/433	0/434	0/435	0/436	0/437	0/438	0/439	0/440	0/441	0/442	0/443	0/444	0/445	0/446	0/447	0/448	0/449	0/450	0/451	0/452	0/453	0/454	0/455	0/456	0/457	0/458	0/459	0/460	0/461	0/462	0/463	0/464	0/465	0/466	0/467	0/468	0/469	0/470	0/471	0/472	0/473	0/474	0/475	0/476	0/477	0/478	0/479	0/480	0/481	0/482	0/483	0/484	0/485	0/486	0/487	0/488	0/489	0/490	0/491	0/492	0/493	0/494	0/495	0/496	0/497	0/498	0/499	0/500	0/501	0/502	0/503	0/504	0/505	0/506	0/507	0/508	0/509	0/510	0/511	0/512	0/513	0/514	0/515	0/516	0/517	0/518	0/519	0/520	0/521	0/522	0/523	0/524	0/525	0/526	0/527	0/528	0/529	0/530	0/531	0/532	0/533	0/534	0/535	0/536	0/537	0/538	0/539	0/540	0/541	0/542	0/543	0/544	0/545	0/546	0/547	0/548	0/549	0/550	0/551	0/552	0/553	0/554	0/555	0/556	0/557	0/558	0/559	0/560	0/561	0/562	0/563	0/564	0/565	0/566	0/567	0/568	0/569	0/570	0/571	0/572	0/573	0/574	0/575	0/576	0/577	0/578	0/579	0/580	0/581	0/582	0/583	0/584	0/585	0/586	0/587	0/588	0/589	0/590	0/591	0/592	0/593	0/594	0/595	0/596	0/597	0/598	0/599	0/600	0/601	0/602	0/603	0/604	0/605	0/606	0/607	0/608	0/609	0/610	0/611	0/612	0/613	0/614	0/615	0/616	0/617	0/618	0/619	0/620	0/621	0/622	0/623	0/624	0/625	0/626	0/627	0/628	0/629	0/630	0/631	0/632	0/633	0/634	0/635	0/636	0/637	0/638	0/639	0/640	0/641	0/642	0/643	0/644	0/645	0/646	0/647	0/648	0/649	0/650	0/651	0/652	0/653	0/654	0/655	0/656	0/657	0/658	0/659	0/660	0/661	0/662	0/663	0/664	0/665	0/666	0/667	0/668	0/669	0/670	0/671	0/672	0/673	0/674	0/675	0/676	0/677	0/678	0/679	0/680	0/681	0/682	0/683	0/684	0/685	0/686	0/687	0/688	0/689	0/690	0/691	0/692	0/693	0/694	0/695	0/696	0/697	0/698	0/699	0/700	0/701	0/702	0/703	0/704	0/705	0/706	0/707	0/708	0/709	0/710	0/711	0/712	0/713	0/714	0/715	0/716	0/717	0/718	0/719	0/720	0/721	0/722	0/723	0/724	0/725	0/726	0/727	0/728	0/729	0/730	0/731	0/732	0/733	0/734	0/735	0/736	0/737	0/738	0/739	0/740	0/741	0/742	0/743	0/744	0/745	0/746	0/747	0/748	0/749	0/750	0/751	0/752	0/753	0/754	0/755	0/756	0/757	0/758	0/759	0/760	0/761	0/762	0/763	0/764	0/765	0/766	0/767	0/768	0/769	0/770	0/771	0/772	0/773	0/774	0/775	0/776	0/777	0/778	0/779	0/780	0/781	0/782	0/783	0/784	0/785	0/786	0/787	0/788	0/789	0/790	0/791	0/792	0/793	0/794	0/795	0/796	0/797	0/798	0/799	0/800	0/801	0/802	0/803	0/804	0/805	0/806	0/807	0/808	0/809	0/810	0/811	0/812	0/813	0/814	0/815	0/816	0/817	0/818	0/819	0/820	0/821	0/822	0/823	0/824	0/825	0/826	0/827	0/828	0/829	0/830	0/831	0/832	0/833	0/834	0/835	0/836	0/837	0/838	0/839	0/840	0/841	0/842	0/843	0/844	0/845	0/846	0/847	0/848	0/849	0/850	0/851	0/852	0/853	0/854	0/855	0/856	0/857	0/858	0/859	0/860	0/861	0/862	0/863	0/864	0/865	0/866	0/867	0/868	0/869	0/870	0/871	0/872	0/873	0/874	0/875	0/876	0/877	0/878	0/879	0/880	0/881	0/882	0/883	0/884	0/885	0/886	0/887	0/888	0/889	0/890	0/891	0/892	0/893	0/894	0/895	0/896	0/897	0/898	0/899	0/900	0/901	0/902	0/903	0/904	0/905	0/906	0/907	0/908	0/909	0/910	0/911	0/912	0/913	0/914	0/915	0/916	0/917	0/918	0/919	0/920	0/921	0/922	0/923	0/924	0/925	0/926	0/927	0/928	0/929	0/930	0/931	0/932	0/933	0/934	0/935	0/936	0/937	0/938	0/939	0/940	0/941	0/942	0/943	0/944	0/945	0/946	0/947	0/948	0/949	0/950	0/951	0/952	0/953	0/954	0/955	0/956	0/957	0/958	0/959	0/960	0/961	0/962	0/963	0/964	0/965	0/966	0/967	0/968	0/969	0/970	0/971	0/972	0/973	0/974	0/975	0/976	0/977	0/978	0/979	0/980	0/981	0/982	0/983	0/984	0/985	0/986	0/987	0/988	0/989	0/990	0/991	0/992	0/993	0/994	0/995	0/996	0/997	0/998	0/999	0/1000

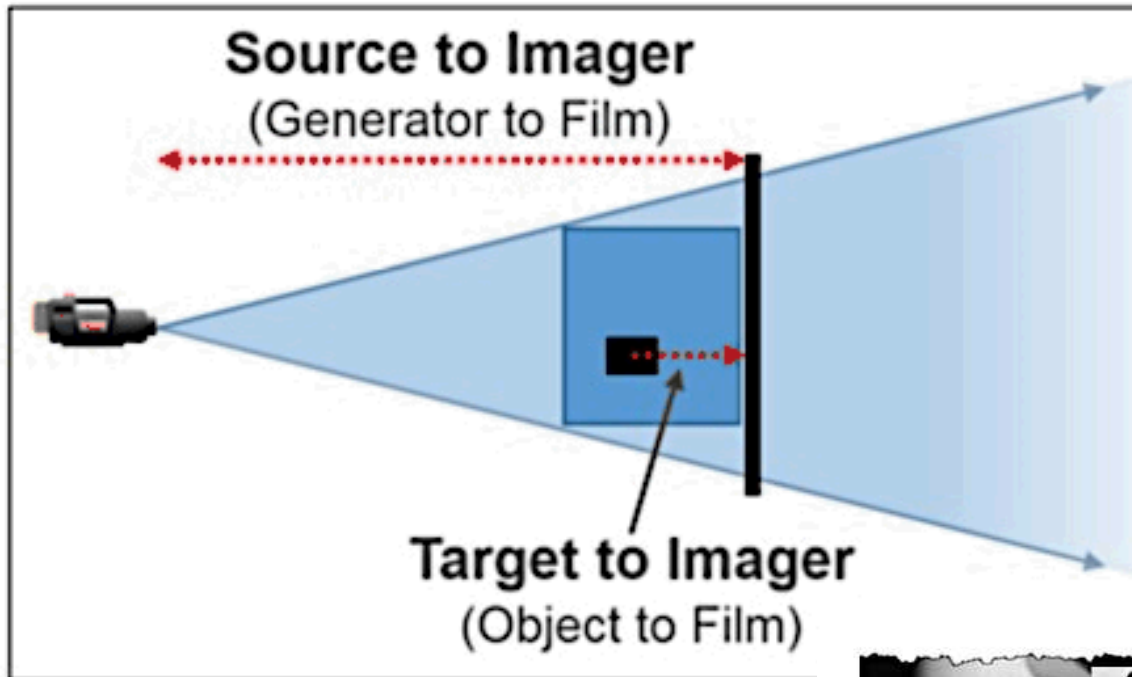
# XTK 2.4 SP1

- Incident Management
- Image Acquisition
- Image Processing
- Mosaic Stitching
- Grid Aim
- **Measurements**
- Pulse Calculator
- 3D Visualizer

# Magnification Factor

Graphic of flash light  
and magnification

# Mag Factor (cont.)



1. **Set Mag Factor**

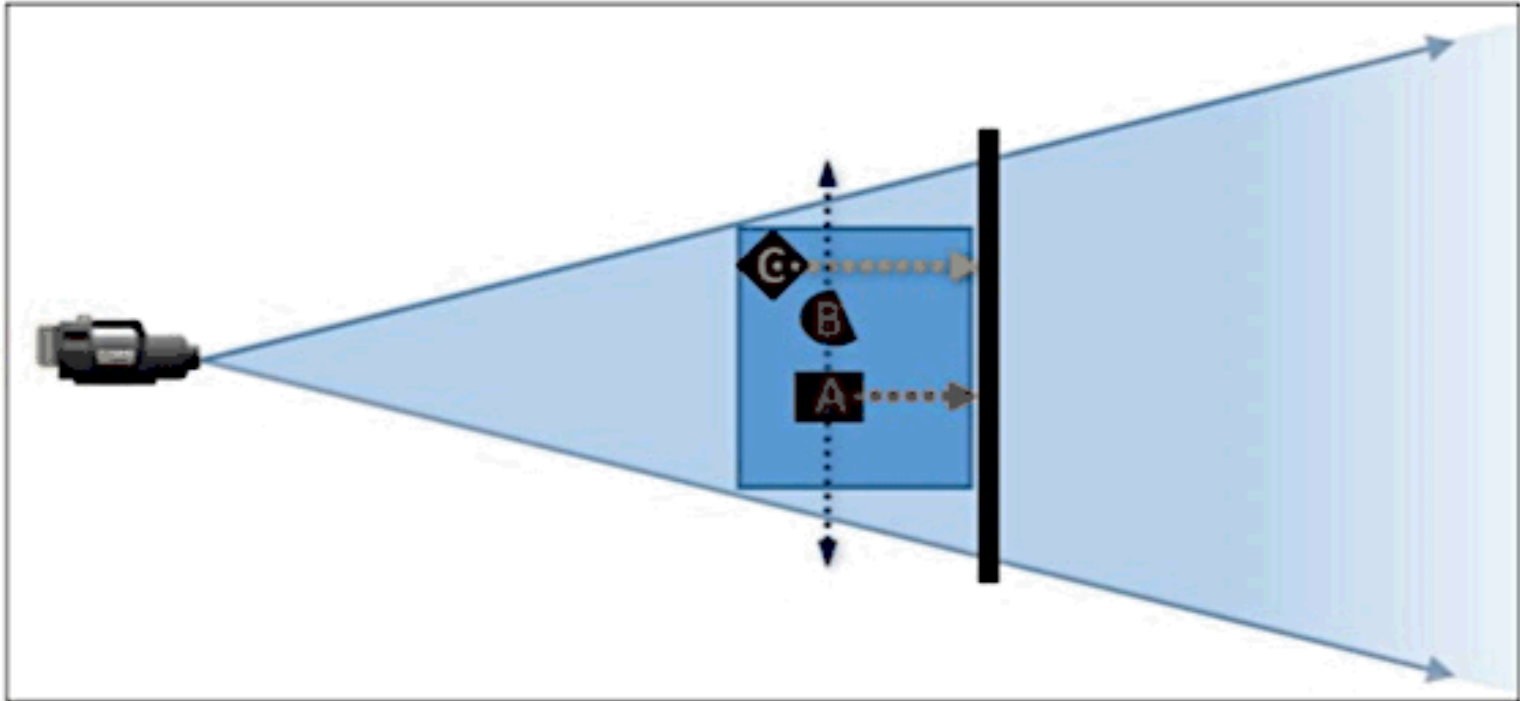
2. **Mag Factor**  
Source to Imager: Not Set cm Set/Convert  
Target to Imager: Not Set cm Set/Convert  
Mag Factor:  Override  
1 Set

3. **MagFactor: 1.25**

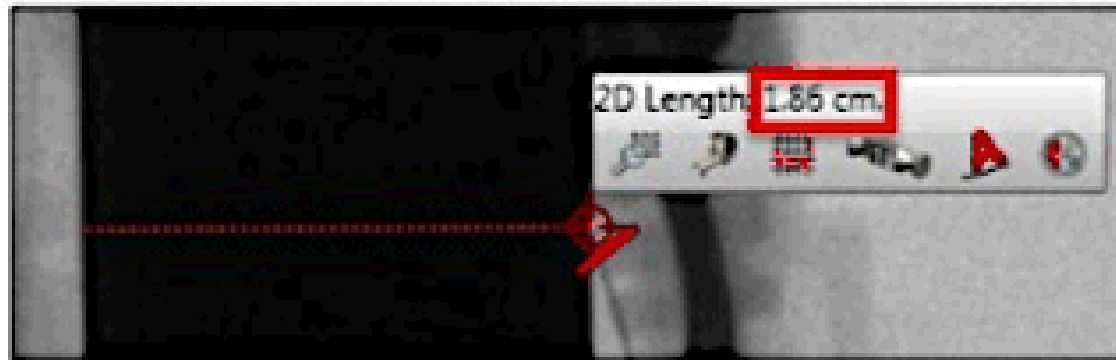
The screenshot shows a software interface for setting the magnification factor. Step 1 shows a button labeled "Set Mag Factor". Step 2 shows a dialog box with fields for "Source to Imager" and "Target to Imager", both currently set to "Not Set cm". There are "Set/Convert" buttons for each field. Below these is a "Mag Factor" section with an "Override" checkbox and a numeric input field containing "1". A red arrow points from the "1" to the "Set" button. Step 3 shows a green checkmark and a red X, with a red arrow pointing to the "MagFactor: 1.25" label at the bottom of the interface.

Figure 78. Set the mag factor using known distances

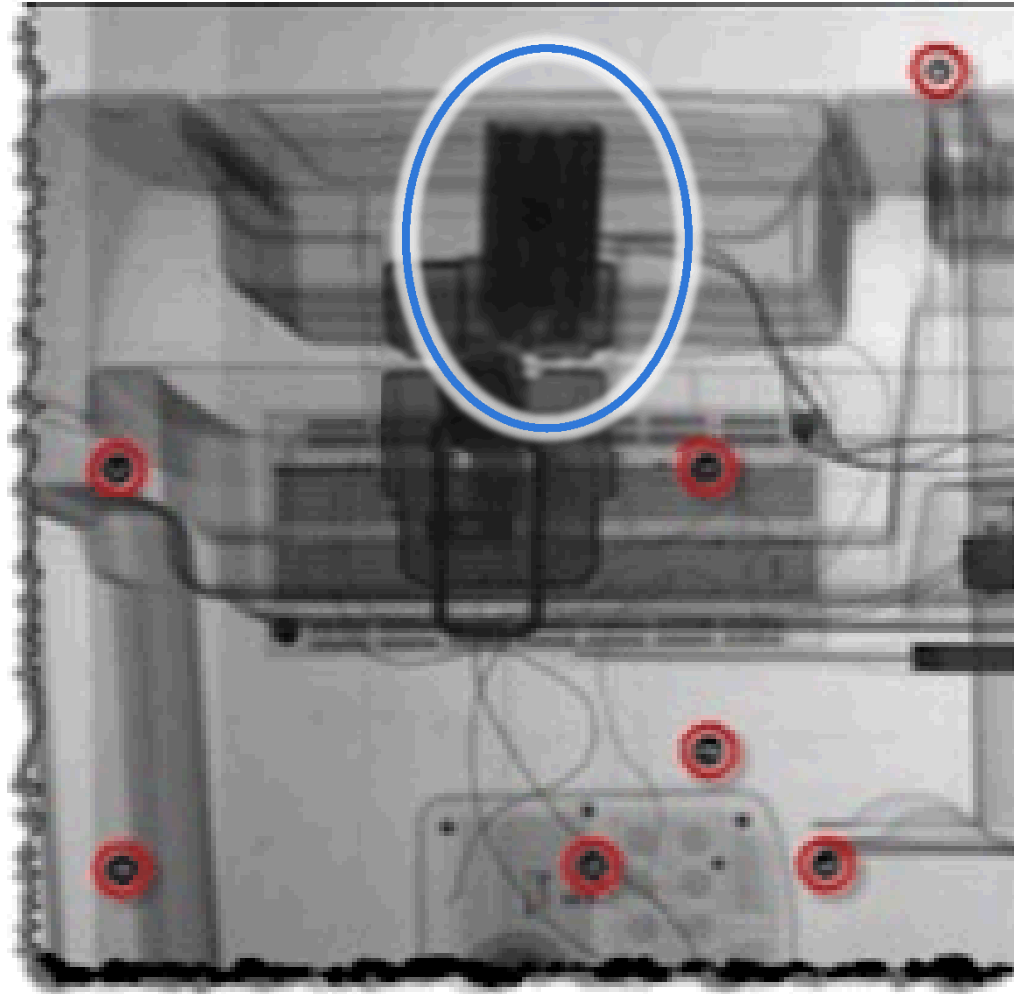
# Mag Factor (cont.)



# Mag Factor (cont.)



# Mag Factor (cont.)



# Mag Factor (cont.)

Get better x-ray with 1" fiducial

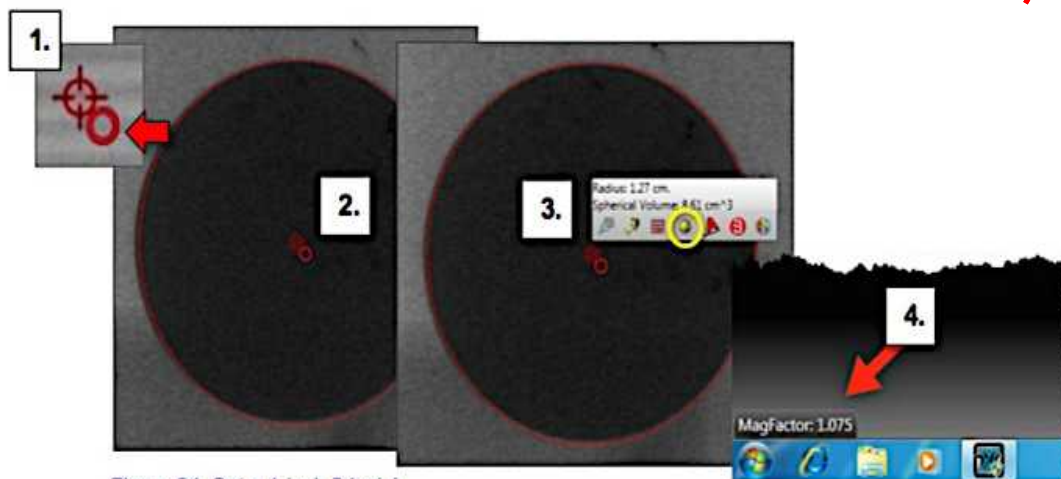
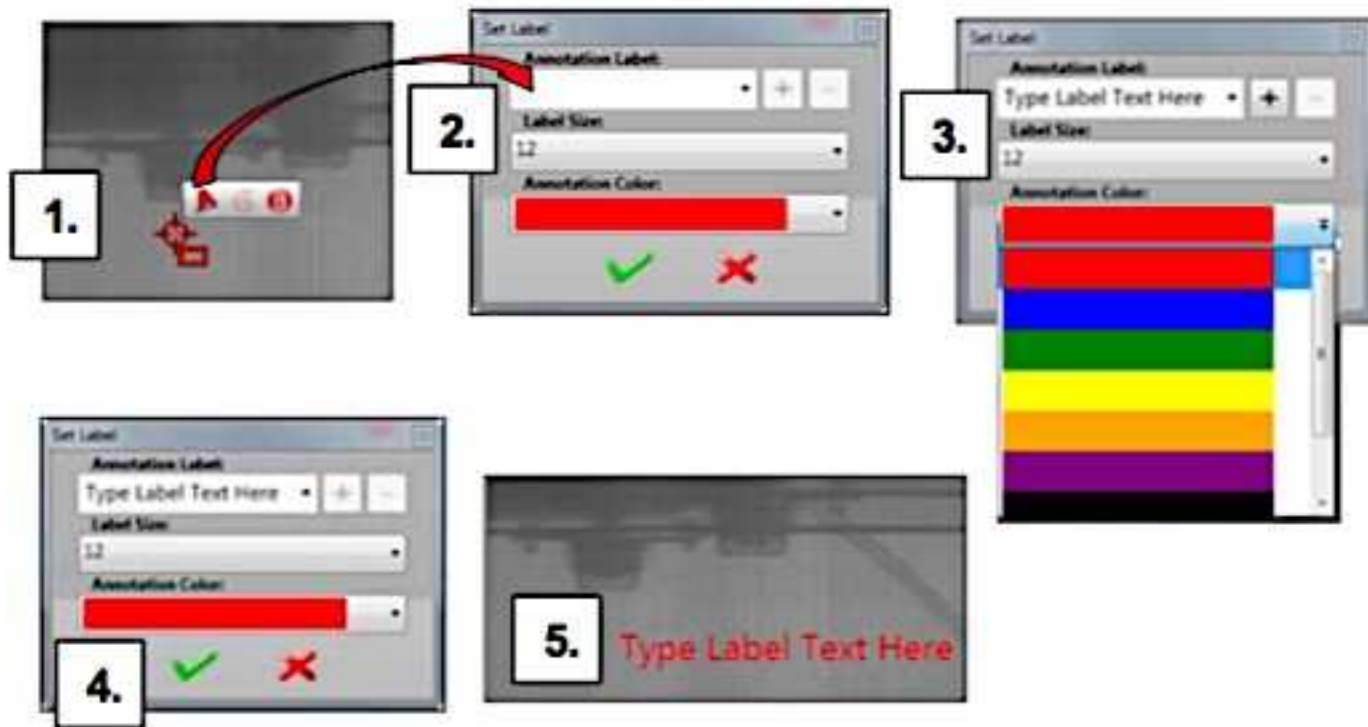
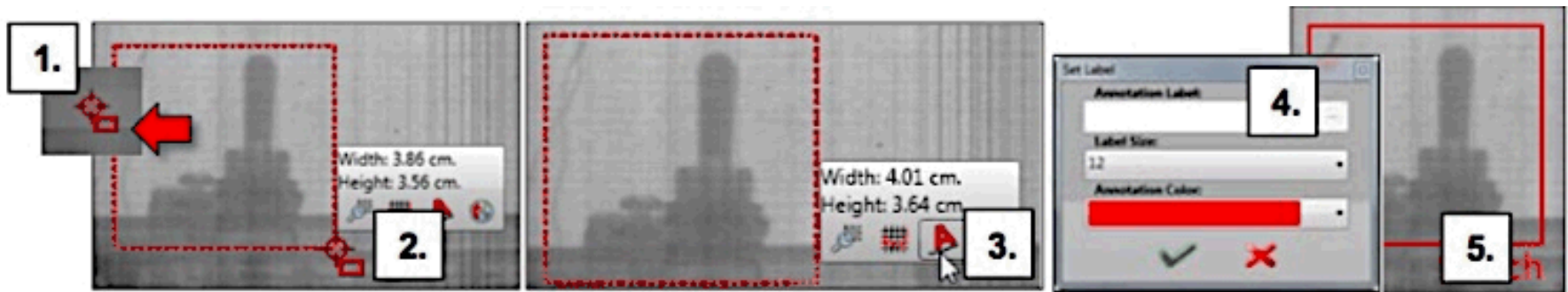


Figure 84. Set a 1-inch fiducial

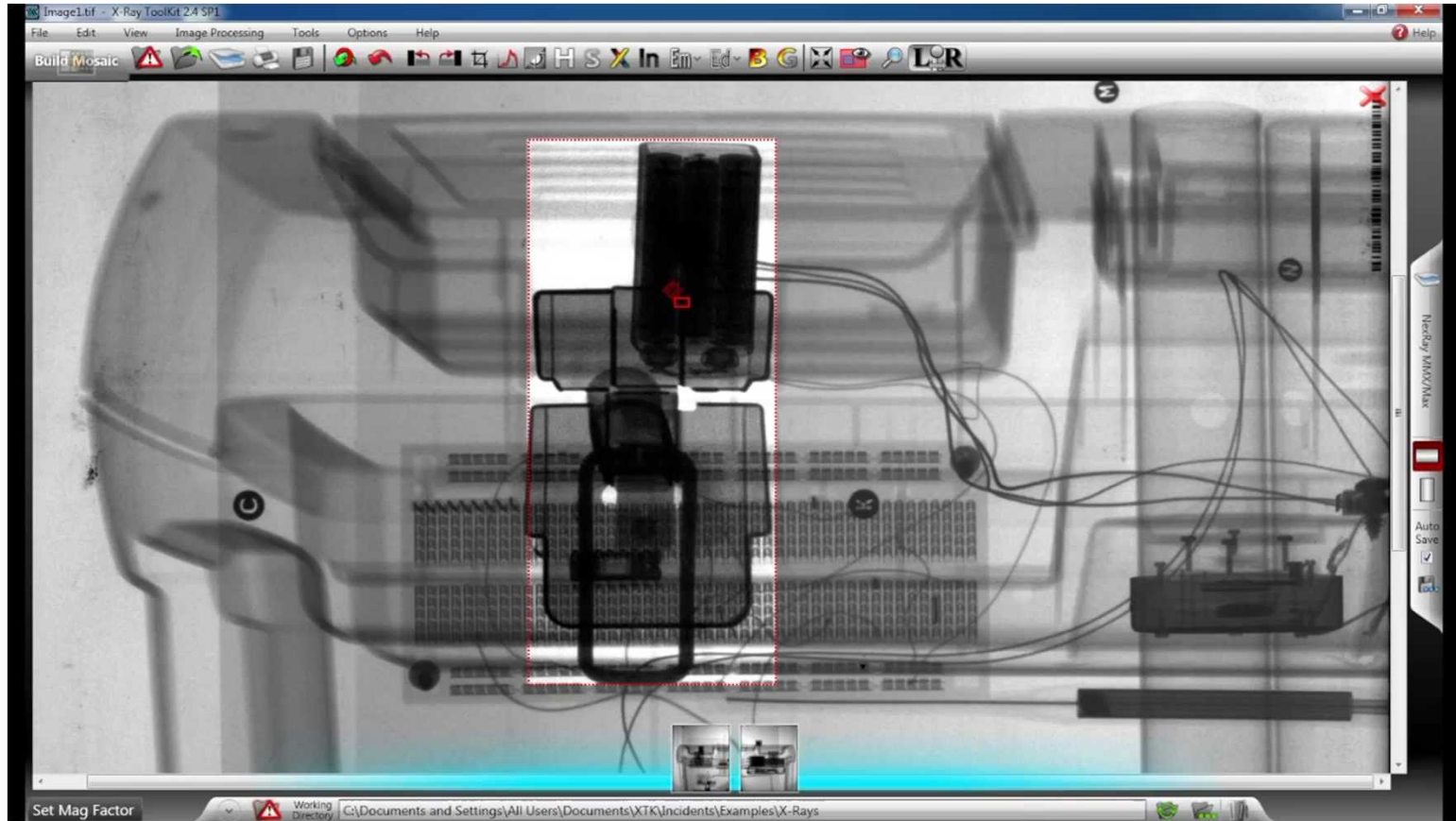
# Annotations / Markups



# Annotations / Markups (cont.)



# Annotations / Markups (video)

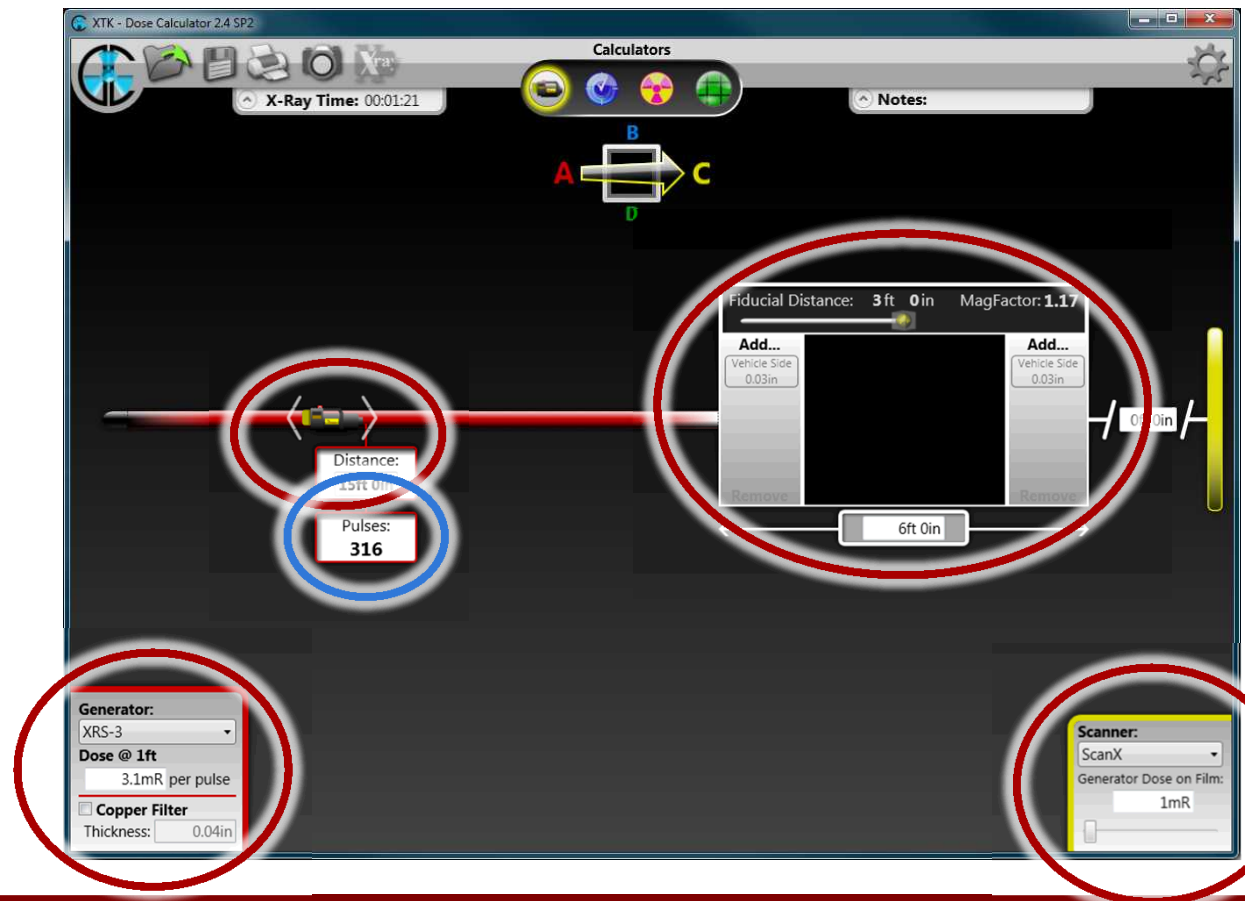


# XTK 2.4 SP1

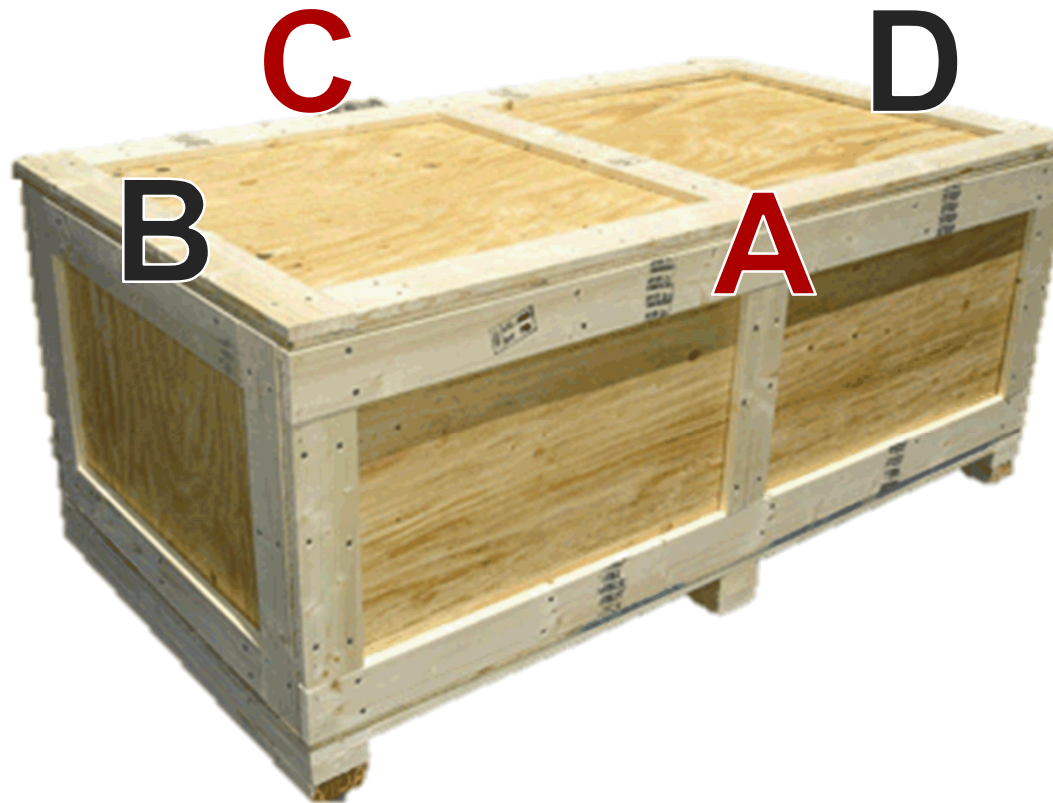
- Incident Management
- Image Acquisition
- Image Processing
- Mosaic Stitching
- Grid Aim
- Measurements
- **Pulse Calculator**
- 3D Visualizer

# Pulse Calculator (TAB 1)

Determines the number of pulses needed to get the **desired dose** on film based upon the **x-ray setup** and **interfering materials** of the package.



# How many pulses?



Generator: **XRS-3**      Scanner: **Logos**

Generator to container distance: **6'**      Container depth: **4'**

# What's the 'Rule of Thumb'?



**6 Feet**  
**66 pulses**

**10 pulses**  
**per foot**

Generator: **XRS-3**

Scanner: **Logos**

Generator to container distance: **6'** Container depth: **4'**

# Pulse Calculator Answer:

The screenshot displays the XTK - Dose Calculator 2.4 SP2 software interface. At the top, the title bar reads "XTK - Dose Calculator 2.4 SP2". The main window features a toolbar with icons for file operations and a "Calculators" section with a radiation symbol. A status bar at the top indicates "X-Ray Time: 00:00:02" and a "Notes" field.

The central diagram shows a red X-ray tube on the left, emitting a beam towards a rectangular detector on the right. The detector is labeled with dimensions A, B, C, and D. A yellow arrow points from the tube to the detector. Below the detector, a horizontal scale bar is shown with a "4ft 0in" measurement. To the right of the scale bar, a vertical yellow bar represents a "0ft 0in" measurement.

On the left side of the diagram, a circular callout highlights the following data:

- Distance: 6ft 0in
- Pulses: 60

On the right side of the diagram, a panel displays the following information:

- Fiducial Distance: 2ft 0in
- MagFactor: 1.25
- Two "Add..." buttons, each with "Plywood 0.75in" and a "Remove" button.
- A "0ft 0in" measurement.

In the bottom-left corner, a "Generator" panel shows:

- Generator: XRS-3
- Dose @ 1ft: 3.1mR per pulse
- Copper Filter
- Thickness: 0.04in

In the bottom-right corner, a "Scanner" panel shows:

- Scanner: [unclear]
- Generator Dose on Film: 1.81mR

Large red "33" is overlaid on the bottom center of the interface, with red arrows pointing from the "33" to the "Distance: 6ft 0in" and "Pulses: 60" callout, and from the "33" to the "Generator Dose on Film: 1.81mR" callout.

# How many pulses?



Generator: **XRS-3**      Scanner: **Logos**

Generator to container distance: **6'**      Container width: **8'**

# Pulse Calculator Answer:

The screenshot shows a software interface for a pulse calculator. At the top, it displays "Physical Distance: 4 ft 0 in" and "MagFactor: 1.20". Below this is a central panel with "Add..." and "Remove" buttons, each with sub-options for "Connex" (0.09in) and "Vehicle Side" (0.03in). A horizontal bar below the central panel shows "8ft 0in". On the left, a red line with a sensor icon is annotated with a red circle, and a box below it shows "Distance: 15ft 7in" and "Pulses: 1089". On the right, a vertical yellow bar is visible. At the bottom right, a "Scanner:" panel shows "Logos" and "Generator use on film: 1mR", with the "1mR" value circled in red. A large red number "1,089" is overlaid on the bottom half of the interface.

Distance: 15ft 7in  
Pulses: 1089

Physical Distance: 4 ft 0 in MagFactor: 1.20

8ft 0in

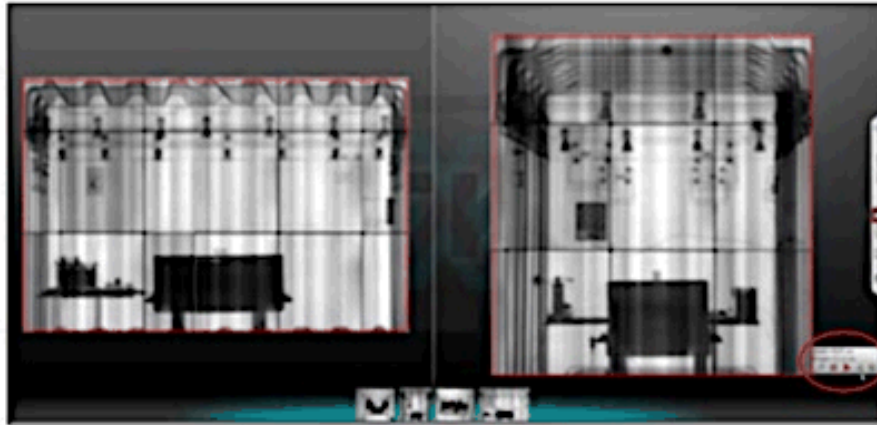
Scanner:  
Logos  
Generator use on film: 1mR

# 1,089

# XTK 2.4 SP1

- Incident Management
- Image Acquisition
- Image Processing
- Mosaic Stitching
- Grid Aim
- Measuring
- Pulse Calculator
- **3D Visualizer**

# 3D Visualizer



When using 3D Visualizer you must be in split screen mode



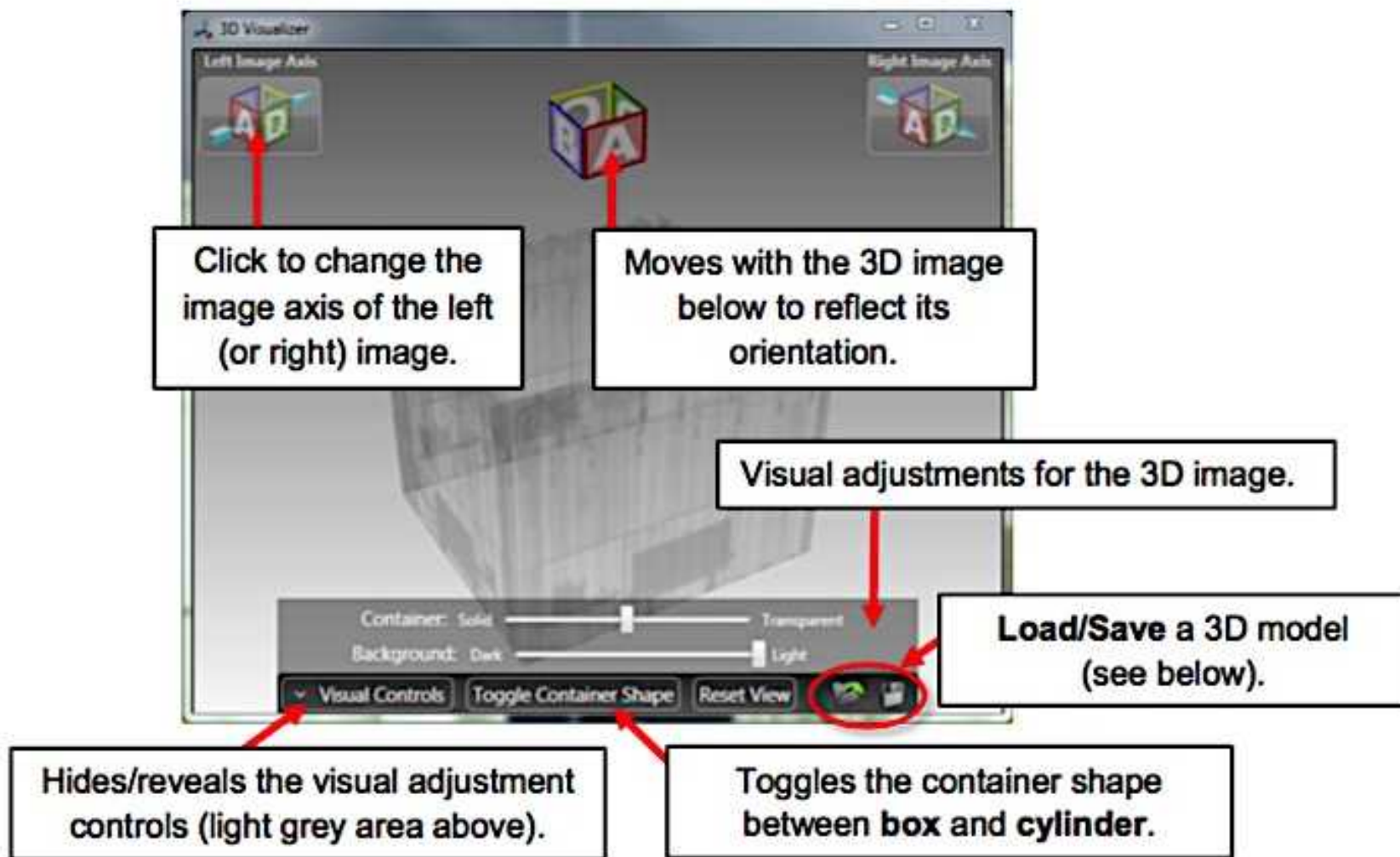
What you do to one image you must do to the other



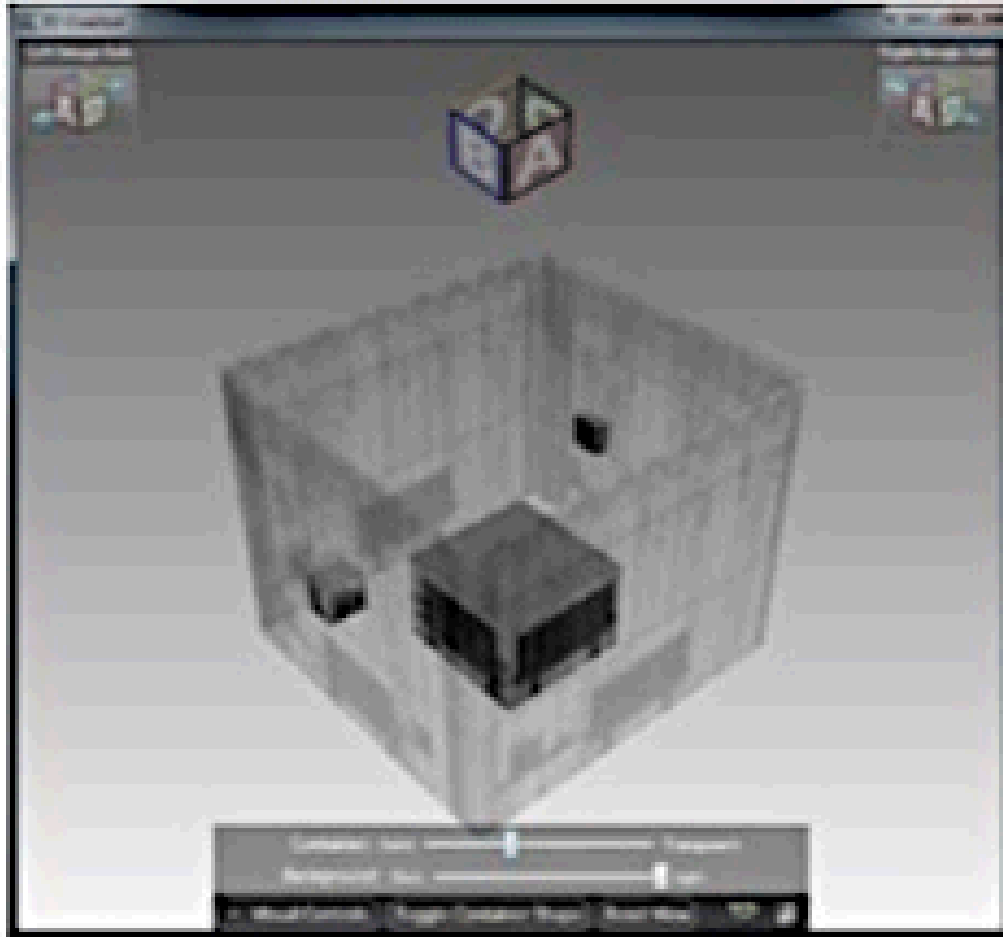
# 3D Visualizer (cont.)



# 3D Visualizer (cont.)



# 3D Visualizer (cont.)



# 3D Visualizer (cont.)

*Add video*

# Agenda

- XTK 2.4SP1
  - Brief description
    - What is XTK?
    - Can I get a copy? How?
  - Daily Use
  - Advanced Features
- Training and Support

# XTK Training Partners

1. WMD Tech
2. A-T Solutions
3. Tactical Electronics
4. Movalson Consulting Services
5. NEK Services
6. InnerVision Security
7. PointOne USA (*pending*)

# Agenda (continued)

## ■ Related Apps

- Windows APP XTK
- Android XTK
- Dose Calculator
- DataShare

## ■ Future Development

- XTK 2.4 SP2
- XTK 3?
- Reachback?

# XTK Mobile

- New platforms coming
  - Win App
  - Android
- “Touch”



# Win App



# Android



# Android XTK



# XTK Touch (XTK 3)



# XTK 2.4 SP2



# DataShare



# XTK Reach Back Support



**Call or Text (505) 321-3732**

# A Question for later

Where do you see the future of your computing hardware going?

1. Staying with **basic Windows** based laptop?
2. Moving to **Windows based “touch/mobile”** devices?
3. Moving to **true mobile** device – tablet, phones, etc.?

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