

# ToonzLineTest6.4

## Main Features

Toonz LineTest 6.4 is the 2D animation software for pencil animation tests, providing a no-hassle webcam and video camera support, scanning capabilities, and a real time preview integrated in the familiar xsheet interface. And as it relies on the Toonz technology, scenes produced in LineTest can be used to guide the scanning or the cleanup process of the final production in Toonz Harlequin or Toonz Bravo.

## ToonzLineTest6.4

### New Features in 6.4

#### Scanner

New scanning mode: Black & White added.

#### Adjust Levels

Balance the levels of your drawings using the Adjust Level panel like in all the most famous image retouching softwares.

#### Onion Skin

Set the thickness of the paper for the cells you are applying the Onion Skin effect to, increasing or diminishing their transparency.

#### Autorenumber

New function for an easy reordering of the numbering of your drawings.

#### Binarize

Let the coloured lines in your drawings become homogeneous avoiding transparency and antialias artefacts.

#### Browser Improved

Numerous features added to the Browser functionality: new list visualization, hide/show information in list view, Time Created and Time

Modified fields added in list view, Select All option added to the right mouse button context menu.

#### Convert

New option for adding a Background to the output images.

#### Camera

Camera DPI editable, and new Use Current Level Settings button for matching the camera to the level content in just one click.

### Platform & Interface

#### ● Support for Windows and Macintosh

Available for Windows XP, Vista and 7—with optimization for 64-bit OS version—and for Mac OS X running on Intel processors, with support for cross-platform projects.

#### ● Ergonomic User Interface

Clean interface with a powerful customizable working environment.

#### ● Configurable Shortcuts

Command and function shortcuts can be customized for each user separately.

### Capturing

#### ● Webcams and Video Cameras Support

A wide range of capturing devices are supported thanks to the integration with Windows and Mac OS video technology.

#### ● Capture Automatic Processing

Captured drawings are automatically processed so that the white background will be turned transparent, and the black lines will be turned to solid lines.

#### ● No Resolution Limit

Capture drawings at any resolution, even higher than the one supported by the capturing device.

#### ● Brightness and Contrast Calibration

Set the right quality for the to-be-captured image, by using brightness and contrast controls.

#### ● White Calibration

Capture a white sheet of paper as reference, and use it to calibrate captured drawings when the lightening on the table is not uniform and causes gray halos where the light is fainter.

#### ● Direct Capturing

Capture and expose drawings on the fly, selecting an empty cell in the xsheet and capturing the drawing according to the set name, numbering, increment and step.

#### ● Automatic Naming and Numbering

Captured drawings can be automatically named and numbered in sequence thanks to the automatic cell selection in the xsheet.

#### ● Dummy Level Support

To-be-captured drawings can be defined in advance as a dummy level in the xsheet, that can be used to drive the capturing process.

#### ● Different Capturing Modes Available

Capture new drawings, or overwrite previously captured drawings, or insert a drawing in a sequence automatically shifting and renumbering previously captured drawings.

#### ● Color Fade

Fade the drawing black lines to any color in case it is needed to distinguish a captured animation level from another one

#### ● Onion Skin Registration

Display a captured drawing or a reference field guide in onion skin mode to set the video camera position back to the right registration when the capturing job is performed in different sessions.

#### ● Quick Check for Captured Drawings

Check captured drawings directly in the capture window, while using the viewer to check the composited frame.



## Scanning

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- **Scanner Support**  
Acquire drawings by using a directly supported scanner via LineTest internal drivers, or any other scanner via TWAIN drivers.
- **Scanned Drawing Registration**  
Use the autocentering function to automatically align each drawing according to the pegbar holes.
- **Scanning Cropbox**  
When using directly supported scanners, define a cropbox smaller than the paper format to optimize the scanning process.

## Production Database

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- **Production Management Tool**  
Production material can be easily stored and retrieved for a quick re-use, from one network to another, or from one studio to another, through project folders.
- **Browser with Production Folders**  
Use the file browser, that includes a list view with sortable detail columns, and the project management browser to retrieve material used in your production.
- **Toonz-compatible Project Folders**  
If needed, share the same project folders with Toonz Harlequin or Toonz Bravo for a smoother workflow integration.
- **Drag & Drop Loading**  
Load files by dragging and dropping them from external browsers as well.
- **Browser-Embedded Tools**  
Use browser-embedded tools to rename sequences of image files, get frame-by-frame detailed info, convert files from one format to another.

## Drawing Editing

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- **Eraser Tool**  
Erase lines and areas in captured drawings by using the eraser tool and the related options.
- **Level Strip Editing**  
Edit and arrange the sequence of captured drawings in the level strip.
- **Post-capture Drawing Processing**  
Process drawings after they have been captured both to calibrate the drawings brightness and contrast, and to fade the drawings lines to a set color.
- **Flexible Onion Skin**  
Check captured drawings by activate and customizing the onion skin view that can be extended to the whole scene content.

## Xsheet Editing

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- **Animator-friendly Xsheet Interface**  
Composite the scene in the xsheet with spreadsheet-like editing tools, context sensitive menus and drag & drop actions.
- **Smart Animation Editing**  
Set the right timing for animations thanks to a wide range of commands to edit the way drawings are exposed in the xsheet.
- **Customizable Work Area**  
Adjust the work area to visualize the scene content according to the task to perform; display and customize a reference field guide, the safe area, background colors and the camera box.
- **Wide Support of Input Formats**  
Avoid any incompatibility with third-party software thanks to the wide range of supported input formats, including Photoshop document, Avi and QuickTime clips, and format-related loading options.
- **Full Set of Object Transformations**  
Animate camera and columns—and consequently the exposed drawings—by scaling, rotating and shearing them; change and animate the columns stacking order without editing the actual columns position.
- **Motion Paths**  
Animate camera and columns along control-point-based motion paths, both with and without an automatic orientation set according to the motion path direction.
- **Simple Mode Animation**  
Animate camera and columns in a quick way by controlling and managing key positions and interpolations for column movements directly in the xsheet.
- **Global Controls on Animation**  
Adjust the scene timing by inserting or deleting global frames in the xsheet; control animations involving several columns at once by inserting or deleting multiple keys.
- **Sub-xsheet Management**  
Load or create scenes nested inside another scene, so that they can be managed as a single xsheet column; export them for endless reuse, or explode them to merge their content with the main xsheet.
- **Scene Cast**  
Store and retrieve files used in the scene and organize them in folders.
- **Toonz-compatible Scene Files**  
LineTest scenes have the same file format as Toonz Harlequin and Toonz Bravo scenes, where

they can be loaded and used to guide the scanning or the cleanup process of the final production.

- **Xsheet Printing**  
Save xsheets as HTML file for printing and visualization purposes.

## Audio

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- **Multiple Audio Clips Import**  
Import, edit and trim all the audio clips you want in the xsheet, without modifying the original files, and composite a soundtrack in sync with the animation.
- **Easier Lip Sync**  
Check the sync between the animation and the soundtrack by using the audio scrubbing that is extended to multiple audio columns, or import Magpie files to expose mouth drawings accordingly.
- **Preview & Render**

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  - **Real Time Preview**  
Play the animation test back in real time, playing all the audio columns content back as well, with no need to wait any rendering time.
  - **Automatically Filled Drawing Areas**  
Fill automatically with a solid white color the drawing areas, so that other drawings and images beneath will not be visible and consequently the previewed frames will be neater.
  - **Wide Range of Output Settings**  
Choose the output format to render the scene as a sequence of images—such as TIF or TGA—or as a single Avi or QuickTime clip, with settings including framerate-stretching and 64-bit color-depth options.
  - **Automatic Multiple Rendering**  
Creates automatically for a single scene several output files based on the xsheet columns content.
  - **Rendering Checking Tools**  
Use the flipbook window to check rendered frames; use embedded tools to visualize images histograms or color channels; take snapshots and compare different frames interactively.
  - **Scene Information on Rendered Frames**  
Include information about the scene name and frame number in rendered frames.
  - **Rendering for Sequences of Scenes**  
Render a sequence of scenes as a single output by creating a queue of scene files in the Export pane.