GTXImage CAD™ Series, Version 21.0

Professionals have been using the best 'Standalone' Windows® based product in the Technical Imaging industry for over 17 years! The newest product releases, **GTXImage CAD™ Version 21.0** and **GTXImage CAD™ PLUS, Version 21.0,** will significantly enhance your ability to handle scanned drawings, maps, and other raster images and bring them into your modern CAD, EDM or GIS environments.

If you use scanned paper drawings, either black and white or color, in your current engineering workflow, then the GTXImage CAD Series, Version 21.0 is a unique, cost-effective solution for bringing legacy drawings into your design environment. Powered by Autodesk® Technology, all commands, menus, and toolbars are consistent with the new AutoCAD 2018, providing a productive and very easy-to-learn user interface, including the NEW customized GTX ribbon with NEW intuitive menu and toolbar icons.

Whether your requirement is for raster cleanup, 2D CAD drafting, hybrid raster/vector editing or full automatic raster-to-vector conversion with intelligent text recognition, total flexibility is provided by this standalone product series — integrates well with any CAD program.

- Windows® 10, Windows® 8 and Windows® 7 32 & 64 bit Compatible.

- 100% AutoCAD DWG/DXF Compatible.

- PDF Support for your scanned images, with this new feature you can open your PDF image, and edit it within AutoCAD, and save it as a Tiff or back to a PDF.

- Automatic Raster to Vector conversion for all your scanned images, including Geometry recognition and text recognition.

- Automatic and semi-automatic image cleanup, despeckle and deskew your image using the intuitive GTX Noise removal commands.

- Improved licensing, now includes Package and Borrow license options.

Powered by
AUTODESK®
AUTOCAD® OEM

AUTODESK.

Windows 10

Windows 8

Windows®7

GTXImage CAD *PLUS* ™

- *Standalone Windows Solution*
- *Raster To Vector Conversion*
- *2D CAD Drafting Capability*
- *100% DWG/DXF Compatibility*
- *PDF Support*
- *Manual Image Cleanup*
- *Color Tools*
- *Automatic Image Cleanup*
- *Raster Editing*
- *Hybrid Editing*
- *Geometry Recognition*
- *Text Recognition*
- *Vector Cleanup*

GTXImage CAD™

- *Standalone Windows Solution*
- *2D CAD Drafting Capability*
- *100% DWG/DXF Compatibility*
- *PDF Support*
- *Manual Image Cleanup*
- *Color Tools*
- *Automatic Image Cleanup*
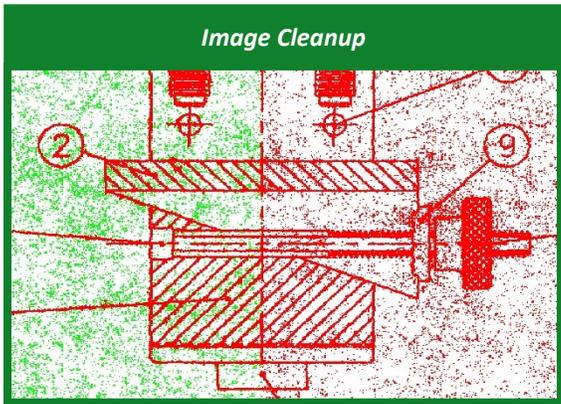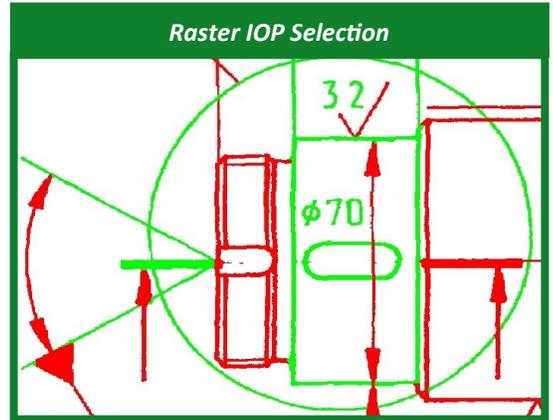- *Raster Editing*
- *Hybrid Editing*

Image Cleanup

IMAGE CLEANUP

Quickly clean the scanned raster image using automatic image cleanup tools, or manually deskew, despeckle, and crop. You can also erase any part of the image, with raster erase and raster outline. Then draw AutoCAD vectors over the top of the image. *Picture to the left shows the selection of raster to be removed highlighted in green.*

Raster IOP Selection

INTELLIGENT OBJECT PICKING™

GTX's Intelligent Object Picking (IOP) technology allows you to work with raster entities as intelligent objects. Use this feature to select raster entities (line, arc, circle) even if touching other data. Use the AllText IOP to select all raster text entities. IOP preserves underlying geometry during erase and raster to vector conversion.
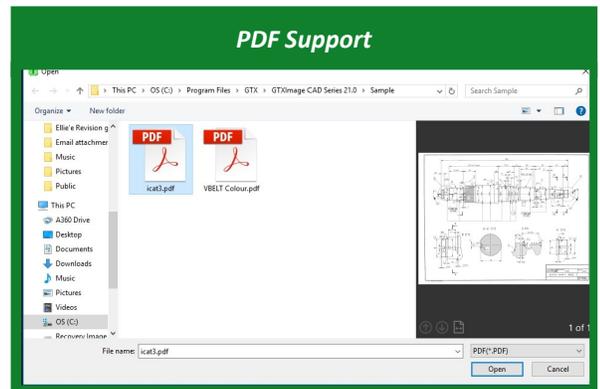

Before Raster Editing—After Raster Editing

EFFICIENT RASTER EDITING

Raster editing features include both efficient cleanup and image restoration capability with powerful raster manipulation commands, allowing you to edit and save the raster data. Raster data can also be traced using CAD design tools and stored or plotted as hybrid files. Or, convert vector entities into raster objects for archival purposes.
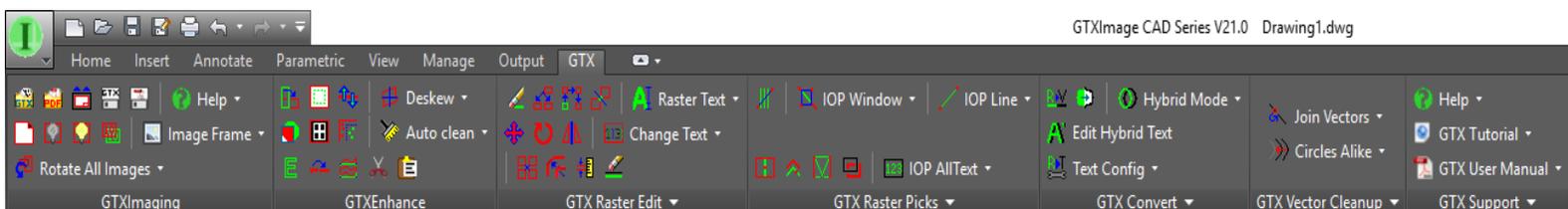

PDF Support

PDF Support

You can now load a black and white or color scanned PDF into GTXImage CAD Series V21.0. This gives you the ability to convert your PDF scans into Tiff and you can also convert from Tiff to PDF.
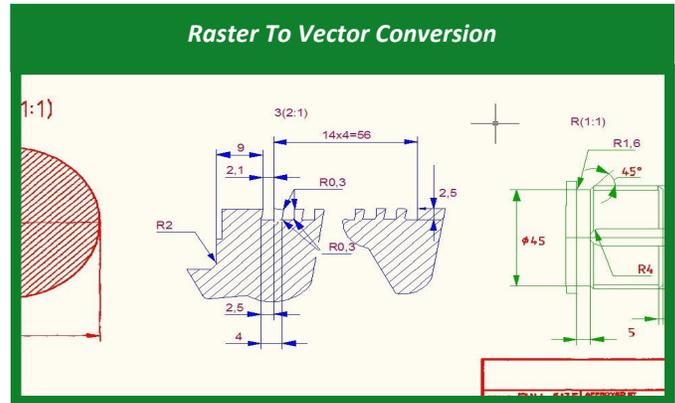
Powered by Autodesk Technology, GTX has improved the user interface for AutoCAD 2018. New and Updated GTX icons and Ribbons now support the New "Light" and "Dark" color schemes.
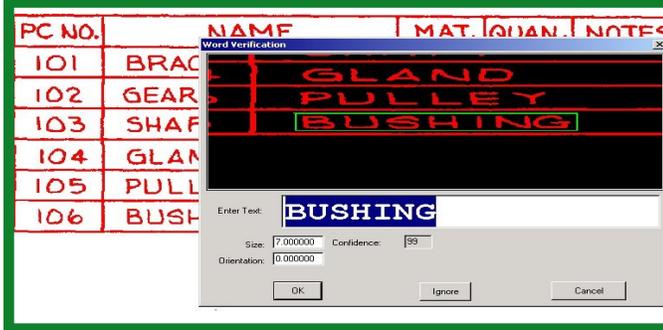
AUTOMATIC RASTER-TO-VECTOR CONVERSION

Quickly convert any or all selected raster into rectified and accurate CAD entities. Convert selected raster objects into intelligent AutoCAD entities such as lines, arcs, circles, polylines, and true AutoCAD text. Its ability to recognize line styles, splines, cross-hatching, arrowheads, and also the ability to set a gap jump variable, further increase conversion accuracy.

ICR Character/Word Recognition

GTX®ICR™ TEXT RECOGNITION

GTX ICR provides true Intelligent Character Recognition (ICR), based on hybrid neural-net technology. Train the software to automatically recognize text characters associated with individual or company drafting styles.

Before Color Reduction—After Color Reduction

COLOR TOOLS

Easy to use Color Reduction functionality to enable full color scan files to be reduced from up to 16 million colors down to between 256 & 4 colors, or even bitonal (black and white) images.
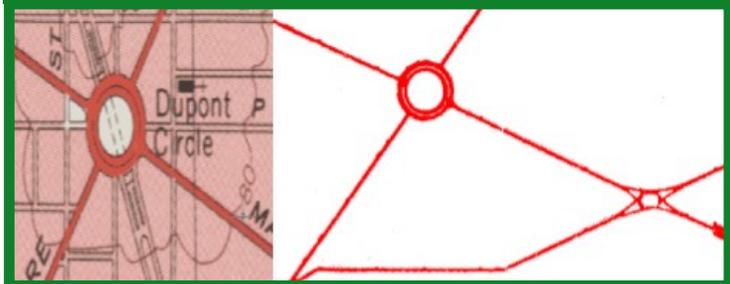
A powerful Color Separation facility to enable selected colors to be grouped together and separated into new layers and assigned an appropriate color of the user's choosing.

Using the latest available color processing algorithms, ALL the products in the GTXImage CAD™ Series, Version 21.0 include the gReduce, gSeparate & gBitonal commands.

Before Color Separation—After Color Separation

KEY FEATURES

- The GTXImage CAD Series, Version 21.0 Products are based on the AutoCAD 2018 OEM engine. New Features shown below in Red.

DRAWING MANAGEMENT

- Enhanced PDF image support, Import PDF files, Save PDF to Tiff and Tiff to PDF
- Multiple Drawing Environment
- Cut raster image to file or buffer
- Insert a raster image or symbol into the current drawing
- Quick save of vector objects into the current drawing
- Convert vector objects to raster data for saving
- Create a new raster image

IMAGE CLEANUP

- Interactive despeckle
- Image cropping
- Manual Despeckle and Noise Removal
- Correct distortion on warped images
- Move, copy, scale, mirror and rotate images
- Draw lines or erase raster
- Smoothing

AUTOMATIC IMAGE CLEANUP

- AutoDeskew
- AutoClean
- Auto Deskew and Noise Removal RASTER EDITING
- Enhanced Multiple Copy command for raster objects
- Enhanced Raster Text Commands: Type and Edit Raster Text Enhanced Hybrid Text Editor
- Enhanced IOP Commands, IOP Rotated Window, Rotated Inside Window & Rotated Crossing Window
- Raster Editing Commands
- Change Raster Line, Arc & Circle
- Raster Slice Command
- 22 raster selection methods (IOP), Including 7 raster snap modes ensure precise editing
- Preserve intersections on edits
- Pick touching text
- Edge rasterization
- Raster symbols
- Turn, Move, Copy, Scale, Rotate, Array and Mirror selected raster data
- Cut-Paste between drawings
- Change or stretch raster objects
- Convert raster entities into vector entities
- Convert vector entities into raster data
- Raster drafting commands text, lines, arcs, circles, rectangles
- True Type Font rasterization

HYBRID EDITING

- Enhanced Hybrid Drawing Mode: Allows simultaneous creation of both vector and raster entities, including text.
- Drawing registration
- Migrate Raster Design /CAD Overlay® legacy data
- Full hybrid snap
- Import viewer redlines

COLOR TOOLS

- Color Separation
- Color Reduction
- Bitonal/Grey Scale Conversion

GEOMETRY RECOGNITION

- Selective or full conversion
- Dashed arc recognition
- True arc/circle recognition
- Boundary/Edge tracing
- Intersection cleanup
- Ortho and angle snap
- Contour/Polyline recognition
- "Z" value (elevation) option
- Polyline smoothing
- Edge recognition and snap
- Dashed line alignment
- Cross-hatch recognition and separation
- Line, arc, circle & arrowhead recognition

TEXT RECOGNITION

- Character recognition
- Word recognition
- Size independent
- Font independent
- Orientation independent
- Combinations of training files
- Neural network engine
- Trainable character sets
- Trainable font recognition
- Training file editing
- Open Format / Plain Text dictionary
- Pattern matching

VECTOR CLEANUP

- Post vectorizing cleanup tools
- Line deskewing
- Line relimiting
- Line joining
- Circle concentric function
- Circle alike function
- Layer control

ADDITIONAL PRODUCT FEATURES

- New Borrow License option for Network FlexLM licensing
- Automatic snap to raster or vector entities using AutoSnap™
- Seamless hybrid plotting
- Floating Network License Option
- Support for raster in paper space
- Multiple raster/vector undos
- Integrated "Save" commands
- Automatic color/grey reduction to bitonal
- GTXRastrans converts between supported raster formats.
- AutoLISP® support for all GTX commands
- Software licensing option based on the new™ FLEX Net® technology

Note:
The HASP Hardware Lock license option is no longer available for this new version of GTXImage CAD Series, Version 21.0 , if you are using a 32 or 64 bit PC / OS then you will need to use the Flexera™ FLEX Net® Software License option, for more details please contact your Local GTX Reseller.

CPU – Processor
Pentium 4 or AMD Athlon equivalent 1.6 GHz or higher with SSE2 technology
Operating System
Microsoft® Windows 10, Windows 8/8.1 & Windows 7— 32 & 64 Bit
Drive space
2 GB free hard disk space for installation
Virtual memory
1 GB swap file, or greater
Memory
2 GB RAM (8Gb Recommended)
Display
1024 X 768 VGA with True Color

Intelligent Paper to CAD Solutions®