

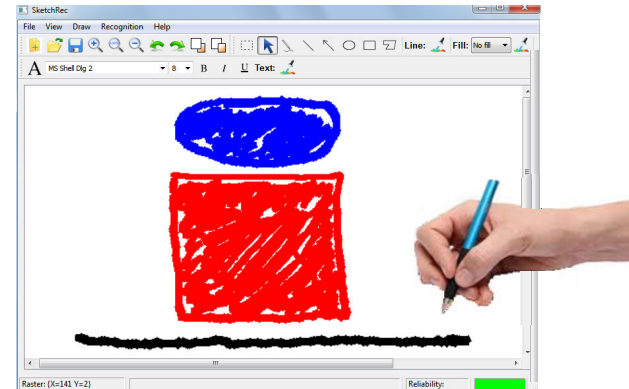
SketchRec®

Sketch recognition
software from
Imagars LLC


Quality,
Efficiency,
Creativity

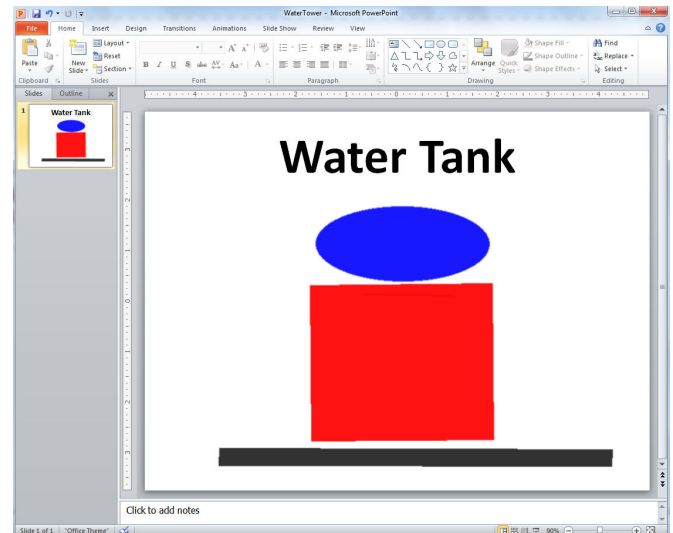


SketchRec® 2.2



Conceptual design

SketchRec®  No need to redraw



Presentable entity

SketchRec® 2.2 Overview

- Greatly expedites the transition from concept to presentation
- No redraw needed
- Increases productivity
- Unlocks creativity
- Great touch-up capabilities

About Imagars

In addition to software for recognizing image sketches, Imagars also offers contract engineering services. Imagars' core strengths include:

- Image recognition
- Pattern recognition
- Digital signal processing
- Sensor systems
- Embedded systems
- Mobile applications

www.imagars.com

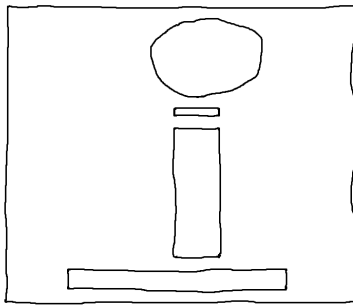
marketing@imagars.com

Convertible Laptops or Surface Pro Tablets

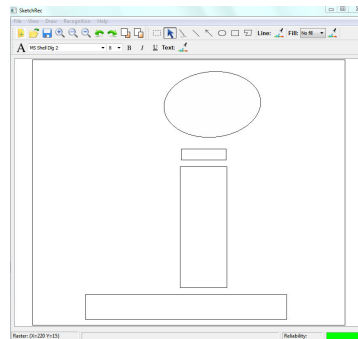
- SketchRec® is ideally suited to meet the needs of professionals, such as design engineers, attending brainstorming, planning or design meetings, or simply wanting to sketch up design ideas, for effective communications.
- One of the primary benefits of SketchRec® is the ability to accept direct input through the pressure-sensitive stylus.
- SketchRec® outputs vector representations of the graphical structures recognized as Scalable Vector Graphics (SVG) or in the Portable Document Format (PDF).
- The patent-pending SketchRec® SW enhances creativity by allowing the user to move around the vector objects, add an object or connector or delete, and hence quickly explore variations of a key design idea.
- SketchRec® allows the user to import a previous SVG design, add objects or modify.
- SketchRec® comes with great support on how to efficiently import the vector graphics recognized into the final application of choice.

Recognition of Paper Sketches

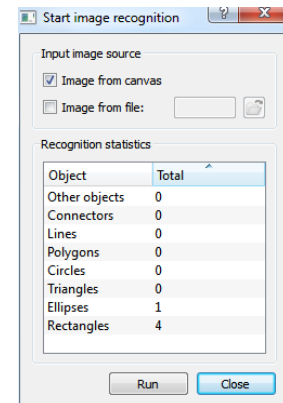
- When professionals, such as engineers, instructors, researchers, doctors or experienced designers, students, architects or amateur designers (to name a few) conceive of an idea, it makes sense to scribble the idea down on a piece of paper, or even a napkin, for the purpose of capturing it and communicating .
- The associated graphics and text can be converted into raster images, through scanning, or by running them through a photocopier capable of automatically producing bitmap images. These bitmap images (BMP, PNG or JPG) can be imported into the SketcRec® application, the recognition invoked and the vector graphics produced.
- The SVG files from SketchRec® can be imported into a variety of 3rd party applications, including (but not limited to) OpenOffice, LibreOffice, MS Office, Google Docs, all the standard web browsers, OmniGraffle and Corel Draw, through few, well-defined mouse clicks, resulting in editable vector graphics and presentable entities.
- For creation of a presentable entity in MS Powerpoint, SketchRec® has been proven to offer time savings of ~ 44% over manual redrawing in MS Visio.



Input sketch



The vector graphics recognized

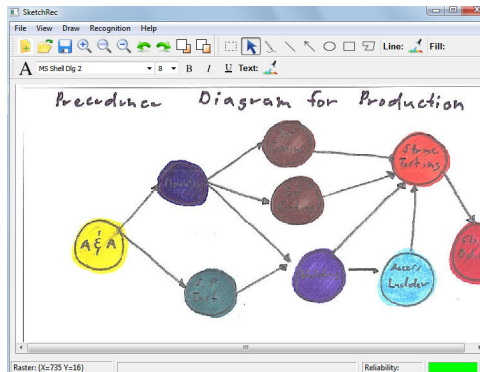


Count statistics

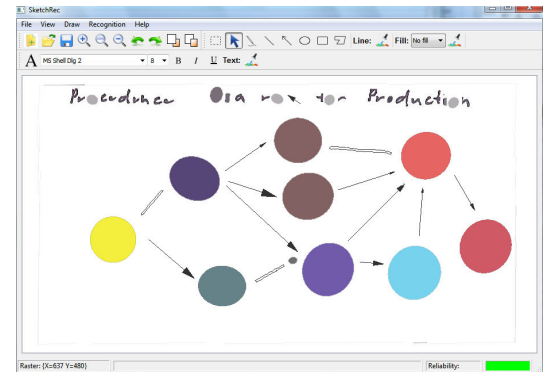
User Friendly Interface — Great Touch-Up Capabilities

SketchRec® provides great features for sketch amendment or alteration, or simply for ease of use:

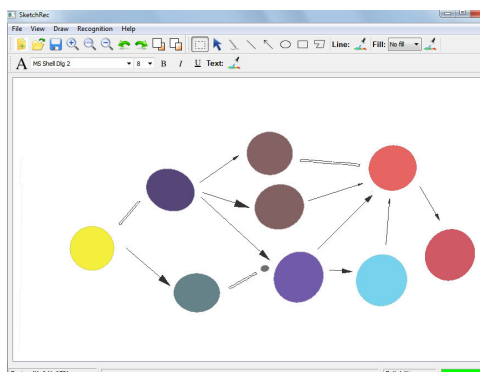
- Area selection
- Deletion of area selected
- Object selection and deletion
- Adjustments to object height
- Adjustments to object width
- Adjustments to object position
- Customizable thickness of the free-hand pen
- Customizable thickness of the stylus pen
- Ability to insert a line or arrow
- Ability to insert a rectangle, ellipse or a polygon
- Customizable line color and filling properties of objects inserted
- Undo and redo for objects inserted (applies to multiple objects)
- Seamless zooming the scene with the mouse wheel
- Ability to type in text
- Ability to identify obscured parts of the input image and scale recognized graphics to automatically fit inside the viewable area



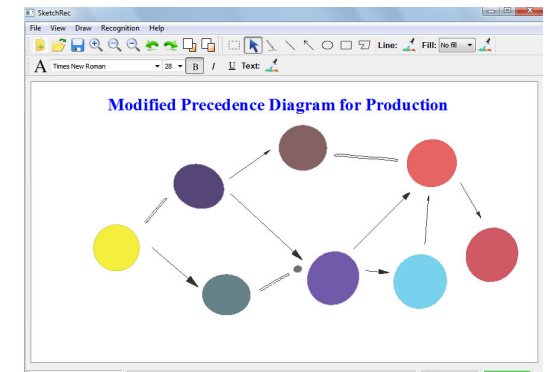
Input sketch (partially obscured)



Recognized graphics automatically scaled to account for viewable area.



After area selection & deletion (only 3 clicks, plus a key stroke)



After design modification (only 3 clicks & 3 key strokes), text insertion and adjustment