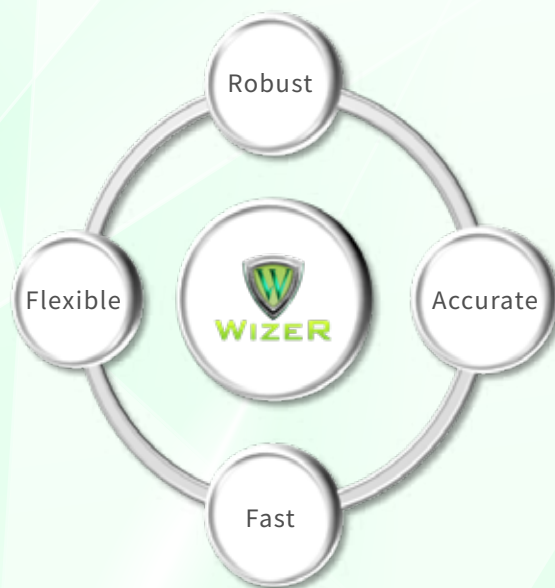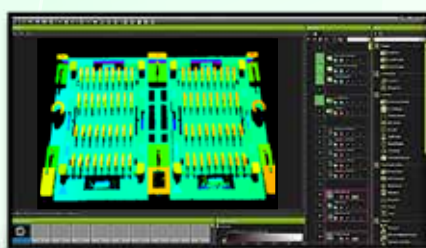# WIZER PRO VISION SOFTWARE

Wizer Pro vision software offers high performance, power and flexibility to solve your machine vision applications. This software is a configurable machine vision software, developed using robust library of pattern matching, code reading, alignment and metrology.

It also offers an easy-to-use graphical interface to develop your application. A wide range of industrial camera brands are integrated to this software to allow user flexibility selection of cameras.

Wizer Pro vision software with the 2D inspection tools has a combination of 3D inspection, Machine Learning as well as Deep Learning modules. This software environment ease the application development for your inspection and graphical interface, with intuitive drag & drop concept; without the need for programming. This offers a higher degree of convenience for the user with increased productivity and efficiently in developing as well as deployment of your machine vision needs.

Robust

Flexible

WIZER

Accurate

Fast

2D INSPECTION

3D INSPECTION

MACHINE/DEEP LEARNING

WIZER PRO
2D INSPECTION

Wizer Pro vision software offers a integrated development environment to allow user to drag-and-drop interface to create your inspection as well as your graphical interface.
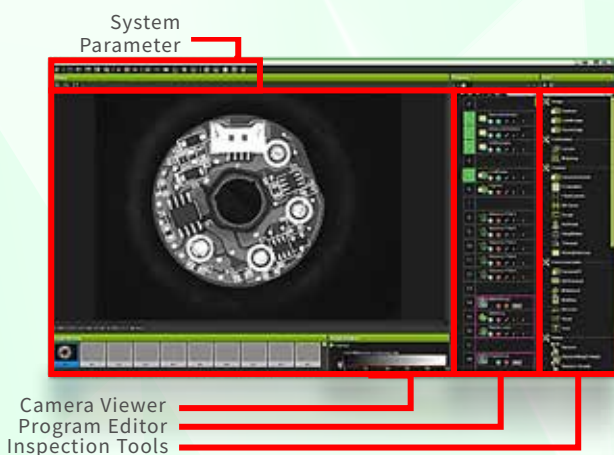
Wizer vision tool library contain a wide range of tools for most common vision processing tasks, such as matching, measurement, code reading etc. User can also expand by adding your own customized inspection tools to suit any project application.

Key Features:
o Quick and flexible applications development
o Powerful and robust inspection tools
o Multi-image processing on cameras with maximum performance
o Offers standard vision tools like image acquisition, alignment, measurement & code reader
o A common platform software for different applications

WIZER PRO CONFIGURATOR

System Parameter

Camera Viewer
Program Editor
Inspection Tools

The Wizer Pro Configurator has always been focused to be with "simplicity" and aims to minimize the learning curve for inexperienced users and eliminates the need to learn a programming language.

CUSTOMIZED YOUR INTERFACE

The Wizer Pro UI Designer allow user to create graphical user interface through panels of button and windows display. The designer links the widgets to those parameters of the tools used in the inspection program. The parameter values can be adjusted & for visualization. Multiple levels of password protection on controls for managing the inspection configurations.

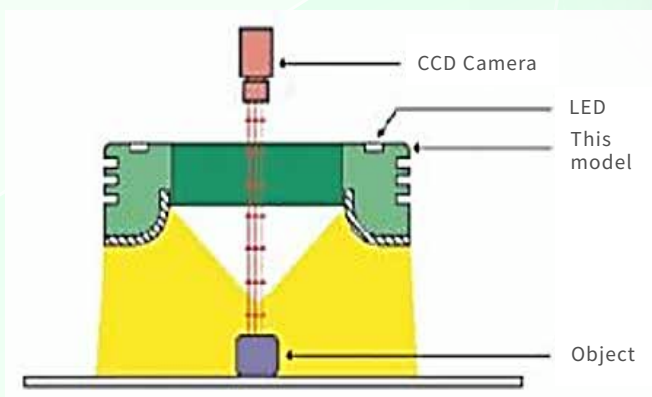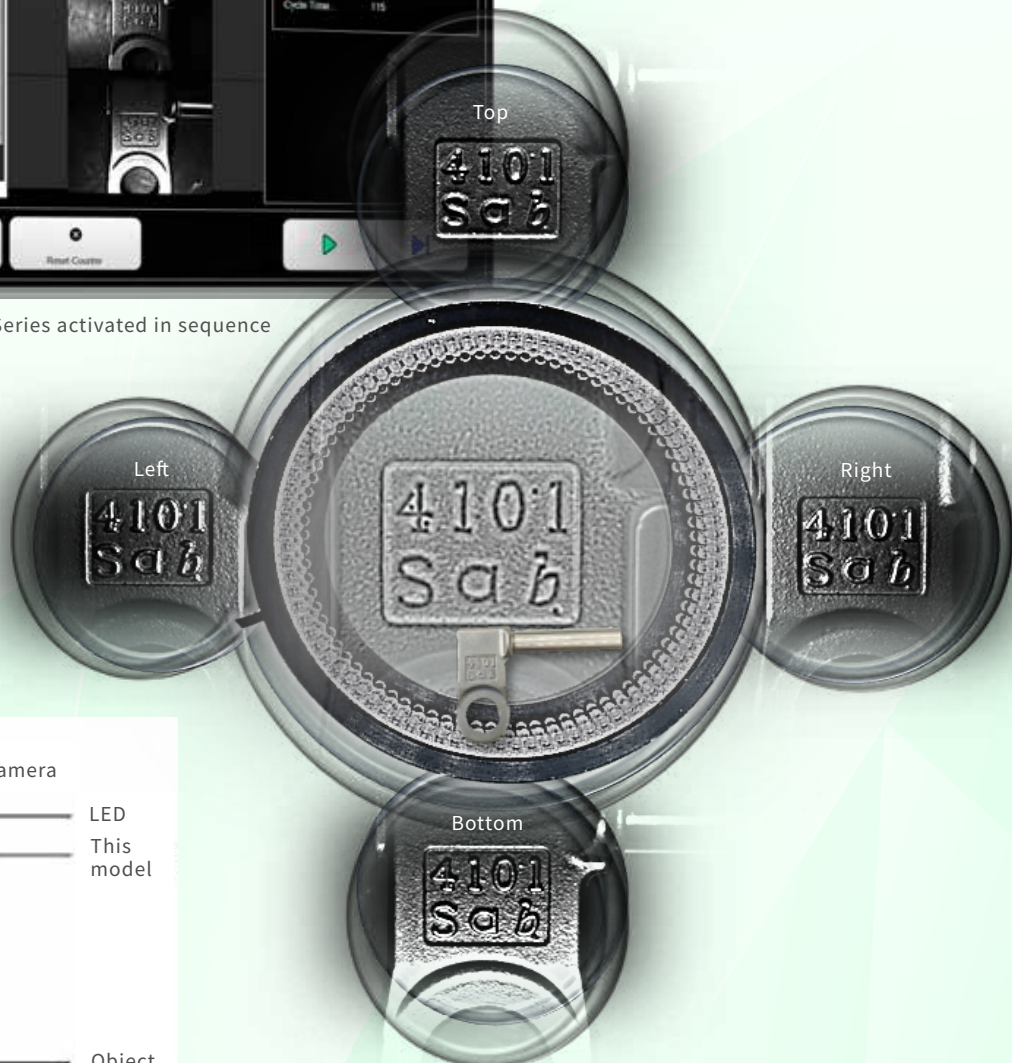Customized
Your Interface

Graphical Tools

ADD-ON MODULE: PHOTOMETRIC STEREO

The Photometric Stereo Illuminator series coupled with Wizer vision software use the PS lighting controller and lighting series to illuminate the inspected part, enhancing the 3 dimensional features of a part.

The Wizer vision software algorithms illuminates the inspected part, to remove image noise from the surface background, showing only clear images of the either recessed or embossed printing or defects.

Images are captured 4 times with PSLLA Series activated in sequence

Top

Left

Right

Bottom

CCD Camera

LED
This model

Object

ADD-ON MODULE: MACHINE LEARNING

Wizer Intuit is a self-learning machine vision software, which was developed from a hybrid of machine vision and artificial intelligence. Utilising its unique approach, this software combination is able to solve complex defects inspection.

Good products or images are used to carry out the learning/training process.
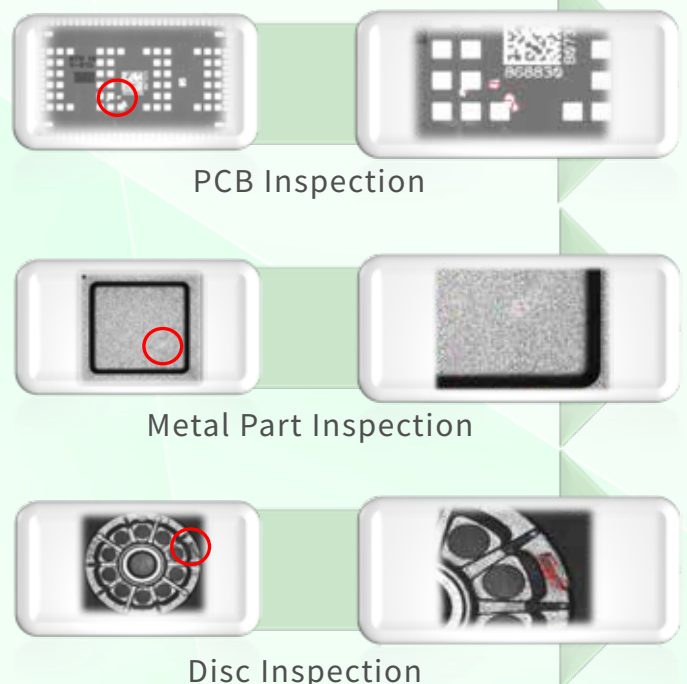

WIZER INTUIT

Key Features:
o Quick and simple setup, adjustment and operation
o Accurate identify defects consistently
o Fast training speed of ~10s to train 50 good images
o A common platform software for different applications

AI Learning Method

The standard neural algorithm will need lots of data for improved processing. Wizer Intuit only require a small group of good products (about 100pcs) to achieve strong results quickly.

As good products or images are used to carry out the learning process. It significantly reduces the development time taken to create a solution, as compared to traditional Machine Vision and deep learning approach.

PCB Inspection

Metal Part Inspection

Disc Inspection

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