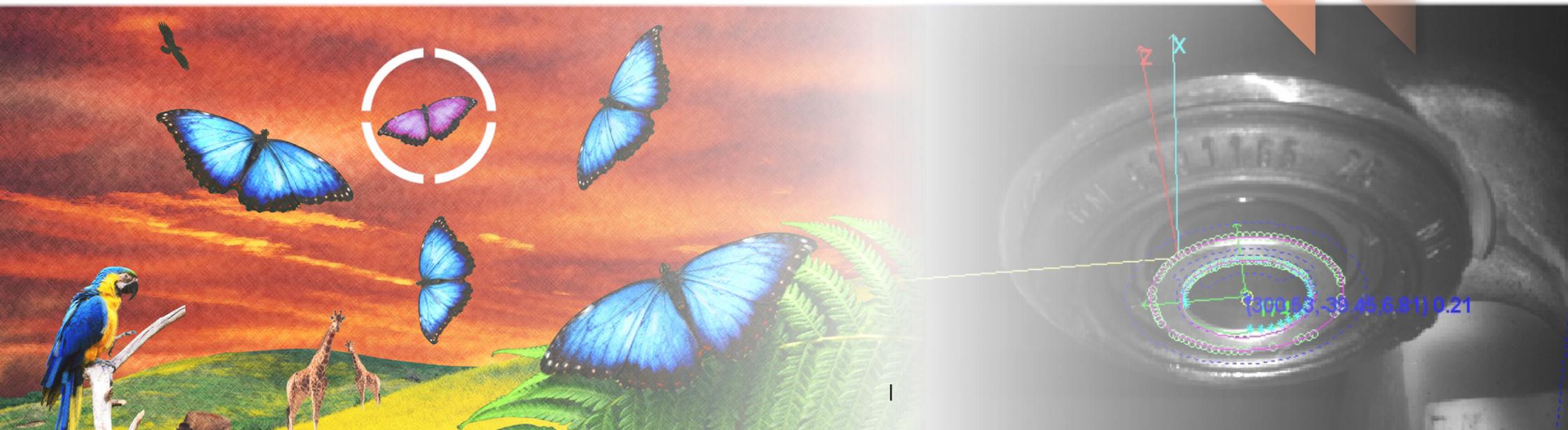# SCORPION
VISION SOFTWARE®

Expeditious and elegant - evolving visions

Scorpion Vision Software® is a powerful, flexible and extremely expeditious system software tool for industrial vision.

The most advanced 2D and 3D solutions are made without any programming.

Long lifespan systems are ensured with Scorpion Vision Software®.

Powerful and Flexible

Enjoy the benefits of an immense and proven toolbox with more than 150 components and tools when creating your innovative machine vision applications.

Scorpion Vision Software® is the perfect companion to Smart cameras, area and linescan cameras with USB, Firewire, Cameralink and GigE interfaces as well as 3D image sensors. Choose between a small form factor with a smart camera, a standard PC or the power of an industrial PC with Raid and multi-core technology.

In close cooperation with Sony, Tordivel has integrated the Scorpion Vision Software® into the new XCI series of intelligent cameras. The combination of high resolution images and Scorpion Vision Software's world class gauging tools is ideal for high precision measurements and robot systems. The software is also designed to be used in 2D and 3D OEM systems.

Scorpion Vision Software® solves tasks within robot vision, label and surface inspection, assembly verification, color identification and gauging.
Scorpion Vision Software® is used in a vast variety of industries; automotive, furniture manufacturing, food and drugs, fish, oil, aluminium, robotics, packaging, energy, photovoltaic and more.

Expeditious

Scorpion Vision Software® offers a large reduction in development time and deployment and maintenance cost for machine vision systems. Applications are customised smartly and expeditiously with the flexible user interface and Python scripting.

SCORPION
VISION SOFTWARE®

Powerful and flexible

2D and 3D Robot Inspection

2D and 3D Robot Vision

OCR - Barcode Recognition

Scorpion Vision Software® contains an extensive set of configuration tools. Combining these tools, Scorpion Vision Software® targets both the simple and the advanced inspection tasks.

The tools perform functions like: 2D and 3D Pattern Matching, Template Finding, 3D Measurements, Blob Analysis, Morphology, Metrology, Calibration, Color Identification, Shape Sorting, Texture, OCR & OCV, Bar Code & Data Code Reading and Polygon Matching with sub-pixel accuracy.

Powered by PolygonMatch™. In print quality verification it is important to fit the polygon before searching for errors. Scorpion Vision Software's PolygonMatch™ technology ensures sub-pixel resolution independent of rotation, scale and perspective. In printed circuit inspection it is used for optimal and robust fiducial object location.

3D Measurements

A key feature in Scorpion Vision Software® is the ability to create and use 3D images. Based on the 3D image, Scorpion has tools to locate objects and perform geometrical operations in a framework with true 3D reference systems and 3D visualisation.

Scorpion Vision Software® combines 2D and 3D measurements. The ability to combine 3D reference systems with any 2D image is unbeatable.
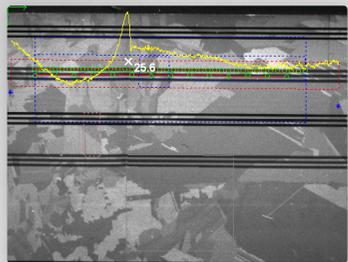
Robust 3D measurement machines are built cost-effectively using standard components.

Use Scorpion Vision Software® for automatic robot bin picking and 100% product inspection with 3D measurement techniques.

Focus on your production, Scorpion Vision Software® expedites the vision task!

The ability to combine 3D reference systems with any 2D image is unbeatable!
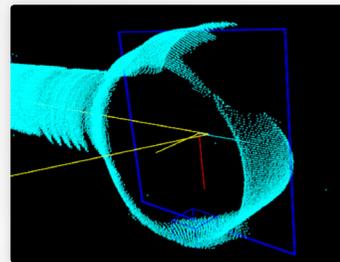
10-30 times productivity gain is obtained in advanced systems development.

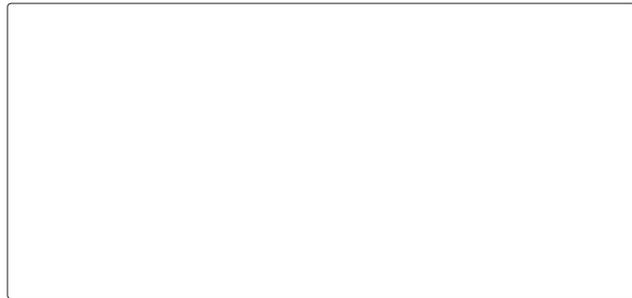**Photovoltaic Inspection**

3D Camera System

3D Visualisation

SCORPION
VISION SOFTWARE®

Smart and expeditious

TORDIVEL

For more information please contact:

Scorpion Vision Software® is made by Tordivel AS.

Digital cameras connected to PCs via standard interfaces like FireWire and GigE has created a major shift in the vision industry from proprietary systems to open software solutions. Tordivel's strategy is to provide the industry with independent software for configuration, operation and surveillance of vision systems utilizing industry standard components and communication interfaces.

Tordivel is heavily involved in research projects evolving 3D measurement techniques for direct production line inspection and for use in product development.

Scorpion Vision Software® is distributed through a global network of partners. They provide local training and support for all types of users.

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