Scorpion Vision Software® X Premium

Scorpion Vision Software® is an independent and open software tool for industrial vision. It is the first configurable 3D framework for machine vision.
The system gives the user the choice of a small form factor with the Sony SmartCam or the power of a quad core PC.

Scorpion Vision Software® is a family of products:

Scorpion Lite - for simple tasks replacing sensors.

Scorpion Basic - a complete vision system, typically used for robot vision, colour processing and assembly verification.

Scorpion Premium - for 3D systems, high precision gauging, robot vision and label inspection.

Scorpion Vision SDK - development tool to embed Scorpion in any Windows application, create Scorpion Vision Apps and Scorpion Tools Components.

Scorpion Maintenance - for maintaining and testing profiles offline on a separate computer.

Scorpion Image Sentinel - automatic image capture, database access and image saving.

Scorpion SmartCam and SmartCam3D - configurable machine vision in a small form factor.

Scorpion Vision Apps - turn any PC with a camera into a professional Vision System.

Scorpion Stinger and Scorpion 3D Stinger™ - families of machine vision components and products providing building blocks for OEM and system integrators.

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TORDIVEL

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Scorpion Vision Software® Premium is our answer to demanding vision tasks. It's Toolbox contains all tools including the Advanced ones. You get a large range of sophisticated multiple polygon ROI tools, 5th order camera calibration to eliminate lens distortion and the very powerful LineFinders, capable of finding a multitude of lines.
High resolution and high quality cameras can be used. This version targets label inspection, robot vision, inspection of printed circuits and high precision gauging including laser measurements.
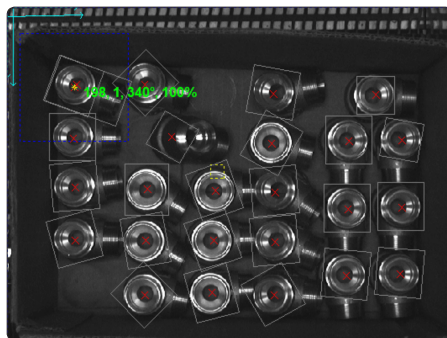Scorpion Premium 3D is a three camera system with all the basic 3D tools included..

Applications using Scorpion Premium

Robot Vision - 3D Bin Picking
Flexible automation means robots, automation and vision working together. This reduces cost and increases the flexibility and possibility to produce several product variants in one production line at the same time, 24 hours a day ,with profits. The vision system's ability to locate and identify objects are critical elements in making these systems.
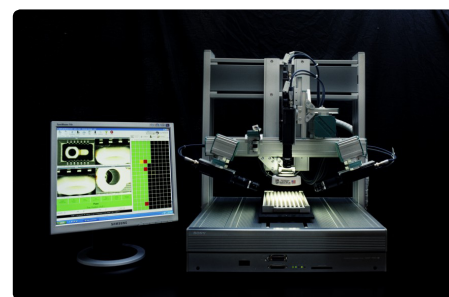
Scorpion Premium combines 2D and 3D measurements. The ability to combine 3D reference systems with any 2D image is unbeatable. Here Scorpion Premium is used for automatic robot bin picking with 3D measurement techniques.
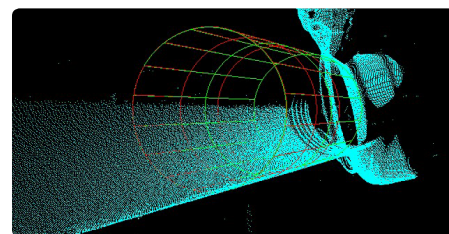

3D Bin picking in a box of valves. Scorpion sends the valve positions to the robot.

Sony Scorpion 2D and 3D Robot Inspection
Sony desktop robot's winning combination of superior performance and compact size, combined with Sony Firewire cameras and Scorpion Vision Software® Premium are redefining the meaning of optical inspection systems. Advanced inspection systems are put into operation in the matter of days using only standard components.

Sony desktop robot, digital cameras and Scorpion Vision Software working together.

3D support is available as an option to Scorpion Premium.

Tool Upgrade
All 3D tools can be added to your Scorpion Premium licence.
Prod. no. 10-095, 10-096, 10-100.

Camera and Resolution Upgrades
Additional camera licenses and resolution upgrades can be added to the Premium License. More information about product capabilities is found in the Scorpion Tools document.
Prod. no. 10-090.