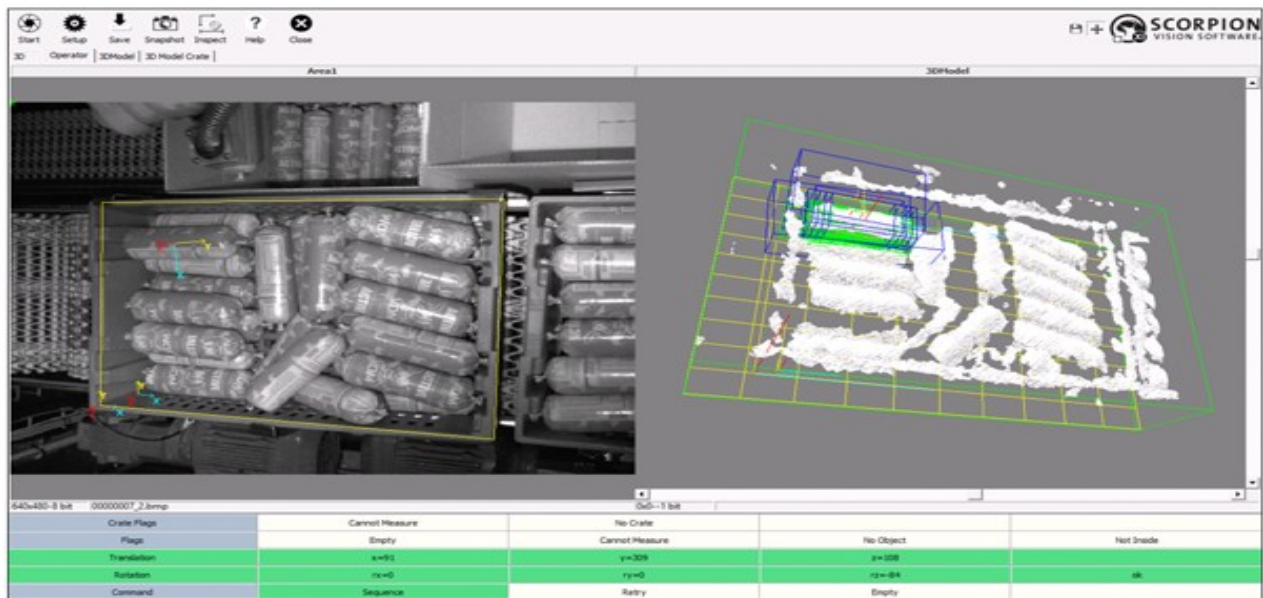




Tordivel's Scorpion 3D Stinger Camera and companion software shows 2D (left) and 3D (right) images in a sausage-picking application.

Tordivel Has Revolutionized The 3D Bin Picking Process

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Reference: LO-2015-0024-A Formicarium Press Note 3D Bin Picking

Tordivel AS, a company based out of Oslo, Norway, has made a major breakthrough in the way that many companies can operate their robot picking or bin picking. The company, found online at www.tordivelblog.com, works specifically with the 3D Vision aspect of these robots, by providing small and large scale companies with the most up to date and advance products based on Scorpion 3D Stinger Technology for the most accurate and reliable part identification and location.

Bin Picking is a term used by companies which work with pick and place robot picking parts directly from pallets and containers where they have been stored and transported. Although the process itself is not new, many companies have struggled in their effort to streamline this process, and eradicate production stops from erroneously picking, due to lacking ability to locate the part to be picked. .

Tordivel has created a best practice for this challenge, however. Reporting that their Scorpion 3D Stinger Bin Pickers are working with a cost, a speed and an accuracy that has completely surpassed most of the less sophisticated solutions currently in use.

The Scorpion 3D Stinger for Robot Vision - combines 2D and 3D images in a unique way to get the optimal performance. The brochure online at [Tordivel Scorpion Vision pdf](#) is visible in PDF format and supplies a number of details on the company behind the Scorpion Stinger Technology. The company says the following regarding the continuing advances in 3D technology: "The increase of computing power, new CMOS camera sensors, powerful IR projectors and IR light equipment combined with simplified system setup results in a record high proliferation of 3D applications never being imagined."

Another article featuring the successes of the Scorpion 3D Stinger Technology and its capabilities can be found at visiononline.org/2D-or-3D-Machine-Vision-Why-Not-Both. Here, Vision Online reports that the Scorpion 3D Stinger combines stereo vision and laser projection in its capabilities, this guarantees that the object will have sufficient information for robust stereo vision calculations.

Tordivel have been developing the unique Scorpion 3D Stinger Technology since 2006. The Scorpion 3D Stinger Technology is a robust and proven technology that targets to meet all the requirements for the on-going robotic revolution. The technology has been developed in R&D projects sponsored by the Norwegian Research Council and EU in multiple research projects. At the moment the technology is continuously refined and deployed in a multitude of industries like Ship-Building, Automotive, Aluminium, Fish Farming and Food Processing.

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