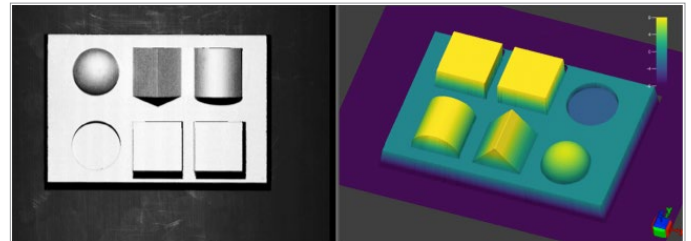


10 FAQs FOR THE IN-SIGHT 3D-L4000



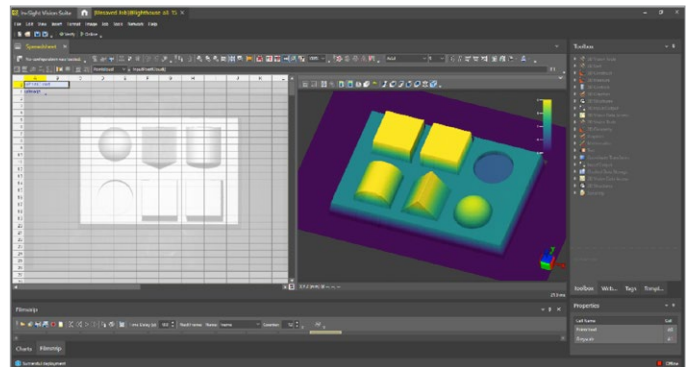
1 Does the 3D-L4000 Series have a 2D Image?

Yes, the 3D-L4000 has a high-quality intensity image. The system uses the speckle-free laser to provide a clean light for a line-scan style 2D image.



2 Is the L4000 on a different software from In-Sight Vision Suite for the D900?

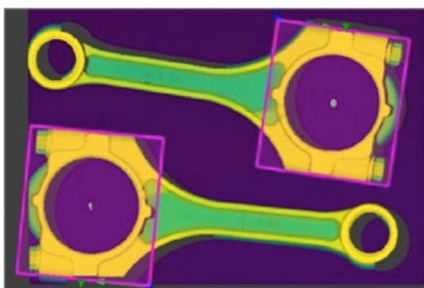
No, they both use In-Sight® Vision Suite.



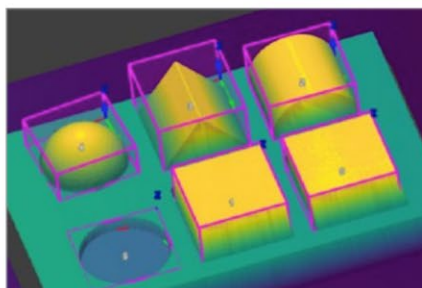
3 How does the L4000 help to make applications in 3D easier to solve and faster to deploy?

The 3D-L4000 uses the In-Sight Spreadsheet environment which makes applications easier to solve and maintain. The new broad 3D toolset helps solve applications quickly without programming.

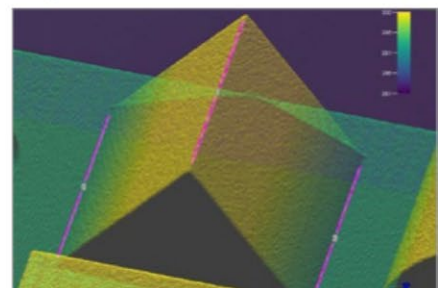
PatMax3D



Blob3D



Edge3D



4 What are some hardware features of the 3D-L4000?

The 3D-L4000 is IP65 rated. The resolution of the system is 2k profile points and the scan rate is up to 4kHz. The 3D-L4000 also has High Dynamic Range (HDR).

5 Can the 3D-L4000 read barcodes or OCR?

Yes, if the 2D image can see the barcode or text, the ID and OCR tools can be used to read them.

6 Is the 3D-L4000 laser eye safe?

Yes, the 3D-L4000 has a class 2M eye safe blue laser. No additional safety equipment is needed.

7 What are some benefits of speckle-free laser optics?

The 3D-L4000 uses patented speckle-free laser optics to generate high quality images. By eliminating speckle, the 3D-L4000 provides more accurate 3D images, and higher quality 2D images simultaneously.



8 Can the 3D-L4000 act as a profiler?

Yes, the 3D-L4000 can be used in time-based acquisition mode to operate as a profiler on static parts.

9 Can the 3D-L4000 capture continuous web applications?

Yes, the 3D-L4000 can perform continuous applications. To set this up you would select "continuous" as the trigger source. The overlap of the acquisition can then be set in the Point Cloud Tab.

10 Are the 2D and 3D images calibrated in real world units?

Yes, the 2D and 3D images are calibrated in real world units. 3D vision tools can be used on the 3D image and 2D tools will be used on the 2D Image. Since the two images are calibrated, results can be used among 3D and 2D Vision Tools.

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COGNEX

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