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Vision Engineering launches LVC400 at EASTEC

First fully automated 3-axis video measurement system from Vision Engineering

EASTEC, West Springfield, BOOTH 3322 – May 14th 2019

May 14th sees the launch of the LVC400, the first fully automated 3-axis video measurement system from Vision Engineering.

Ideal for measuring large components or multiple small components, quickly, easily and accurately, LVC400 offers faster measurement, high accuracy levels, and benefits from Vision Engineering's consistent

Offering a larger (400 x 300mm) stage than comparably priced products, LVC400 offers large measuring capacity and fully automated movement in all 3 axes, making component measurement faster. Non-stop measurement routines are possible through programmes which can have magnification changes built in.

Additionally, multiple components can be loaded onto the stage and measured easily and automatically in a single programme. The system is pre-programmable or can be driven using the supplied joystick for rapid, one off measurements.

Highly accurate

LVC400 features a high resolution 5MP USB3 camera, granite base for extra stability and a precision X-Y stage; making it the most accurate large format measuring system from Vision Engineering to date. LVC400 also supports the use of a touch probe in all 3 axes, for measuring complex features and other 3D forms.

Easy to use

LVC400 is supplied with the highly intuitive M3 software package; offering comprehensive measurement functions, whilst maintaining the ease of use that Vision Engineering is well known for. M3 software includes full reporting and data export, DXF overlays and fitting, and thread measurement.

Vision Engineering anticipates that LVC400 will be used when customers require the measurement of large components, in applications such as precision machining, casting, plastic moldings, electronics, and PCB inspection. Additionally LVC400 is ideal when customer requires measurement automation, including palletizing of smaller components, faster automated measurement of large components and automated measurement of components that require change of magnification.

Richard Nagel, Vision Engineering's VP Sales and Marketing said, "We are excited to extend our metrology range by offering our first fully automated video measurement system with motorized zoom. The LVC400 offers many sought after features and benefits customers need when looking

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for a fully automated video measurement system. The LVC400's large stage, accuracy, ease of use, combined with a competitive price point makes this a welcomed addition to our metrology range."

Highlights:

- LVC400 is for applications that require higher accuracy and/or contact measurement.
- Supplied with M3 software for ease of use and intuitive operation.
- Ideal for customers who want to measure large components or multiple small components quickly and easily.
- Competitively priced.
- LVC400 designed for measurement application in:
 - Precision machining, casting
 - Plastic moldings
 - Electronics, PCB inspection
- Customer requires automated workflow:
 - Automatic measurement of palletized component arrays
 - Faster, automated measurement of large components
 - Automated measurement of components at multiple magnifications

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About Vision Engineering Limited

Vision Engineering Ltd is a global leading-edge manufacturer of patented ergonomic stereo microscopes, digital microscopes and non-contact measuring systems.

25 years ago, Vision Engineering introduced the world's first 'eyepiece-less' stereo microscope, the Mantis. It was an ergonomic revolution that went on to win numerous design and innovation awards. Company headquarters are based in Send, Woking, UK, with manufacturing facilities in the UK and US. Regional offices are located throughout North America, Europe and Asia.

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