EXHIBIT 1055

Article entitled "Imaging Computer" in the Quality Today publication dated July 1993

> TRW Automotive U.S. LLC: EXHIBIT 1055 PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NUMBER 8,599,001 IPR2015-00436



ned, which is illuminated from a 100 watt Halogen light source through a fibre optic cable. The image received by the camera is magnified and transmitted by the controller to any TV monitor screen. Adjustments are provided for focus, brightness and colour, so that the system is versatile and can be used to visually examine any target including black material.

À variety of lenses for contact or non-contact operation offer magnification factors from x1 to x1000 including a zoom option. The magnification factor is based on a 14" monitor screen standard, which can be used for absolute dimensional measurements.

Circle Ref 129

Intelligent stage controller

32

Data Cell have launched a computer controlled stage which is capable of working with almost any microscope. The system is intuitive, simple to use and operates from within a Windows environment. All set-up sequences or userdefined paths can be saved by the system for re-use at a later date and a DDE link provides two way data exchange with line horizontal resolution.

High definition screen

The new F.M. Videoscope from Finlay Microvision of Southam has a built-in zoom in the magnification range 10x to 500x. Easy to operate with only focus and zoom controls needed to produce very high definition imaging on a TV

Data Cell computer controlled stage works with almost any microscope.



1055-002

imputer

Circle Ref 131

Imaging computer

Imputer from VLSI Vision is

the first miniature imaging

computer that can analyse

what it sees. This tiny smart

camera, measuring only $107 \times$

 53×24 mm, can be program-

Miniature imaging computer f VSLI.

velopers, instead of being pensive, highly specialised available to only a few c panies.

The imputer is not tied any particular vision app tion, but is a completely ge ic development platform vision products. The unlim range of applications inclu inspection, process con smart surveillance, tr monitoring and control, n ber plate recognition, m media, character recognit biometrics, metrology, fl flow dynamics, automo navigation aids, robotics vision toys. Circle Ref

3-D roughness conference

An international works was convened as a result research project being ducted at the Centre for M rology at the University Birmingham (UK) and I'E Centrale de Lyon (France) conjunction with a numbe

Quality Today, July

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