

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

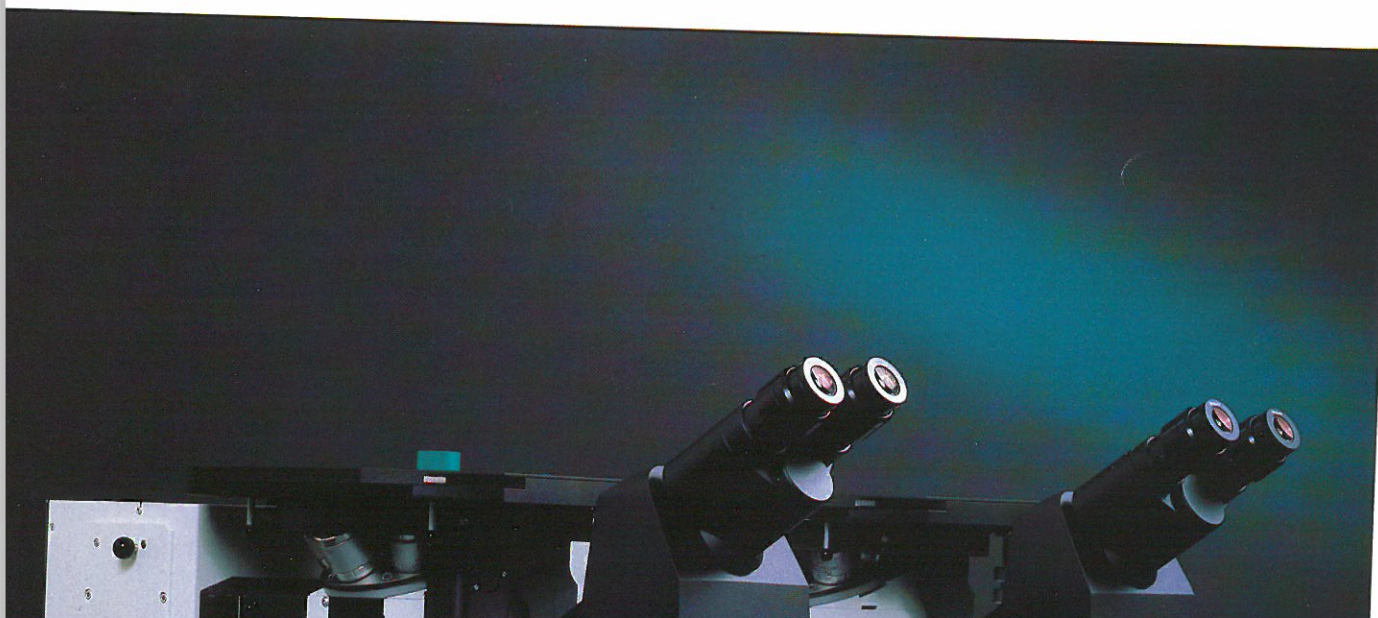
July 1993

Quality Today

BS 5750/ISO 9000/EN 29000

Special Manufacturing Supplement

Published by Quality Today — The Journal for Quality in Manufacturing Industries



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.

A 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

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 user-defined paths can be saved by the system for re-use at a later date and a DDE link provides two way data exchange with

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.



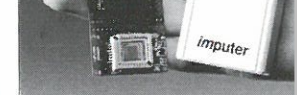
Circle Ref 130

line horizontal resolution.

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 x 53 x 24mm, can be program-



Miniature imaging computer from VLSI.

velopers, instead of being expensive, highly specialised available to only a few companies.

The imputer is not tied to any particular vision application, but is a completely generic development platform for vision products. The unlimited range of applications includes inspection, process control, smart surveillance, target monitoring and control, number plate recognition, multimedia, character recognition, biometrics, metrology, fluid flow dynamics, automotive navigation aids, robotics and vision toys. Circle Ref

3-D roughness conference

An international workshop was convened as a result of research project being conducted at the Centre for Metrology at the University of Birmingham (UK) and the Centre de Lyon (France) in conjunction with a number