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**TO:** The Editor

**LOUGHBOROUGH UNIVERSITY AND SHELTON OFFER A VISION FOR  
THE FUTURE – FREE COLOUR AND PHYSICAL DEFECT TEST  
FACILITIES FOR FABRIC AND SOLID SURFACES**

Shelton Vision Systems Ltd, based in Leicester, have had a long history of working with Loughborough University to commercialise concepts and innovations. This relationship has led to the launch of the new WebSpector® imaging system. The new system can measure colour to better than one delta E and detect surface defects to 2 microns at high speed. A number of the Phd research engineers have now joined Shelton full time and have since brought many more innovations to market.

Shelton has worked with Loughborough University on projects as diverse as colour and dot shape measurement for wallpaper production to machine vision guided lace scalloping and laser cutting. The lace scalloping machine, the first joint project between Shelton and Loughborough has since been developed to provide a softer edge when cut. This will allow the lace cutting machine to access new markets.

Dr M. R Jackson, project controller, of Loughborough University said, “Shelton Vision Systems Ltd and Loughborough University have worked together on a number of projects. We chose Shelton because of their innovative approach to vision system solutions”.

Shelton's latest innovation, the new WebSpector® imaging machine, can find surface structure and colour faults to whatever level the client requires.

Using their unique self-learning system, the Shelton vision inspection system is capable of teaching itself to find errors and reporting them. The innovative WebCorder feature allows the whole set up test run to be played back. This results in a quick set up time and reduced scrap and verifiable inspection performance.

A WebSpector® test facility, capable of measuring colour and surface structure defects, will be installed at a new Machine Vision Centre of excellence in Loughborough University in late 2004.

Dr Jackson commented, "We are looking forward to working with Shelton on the new vision test facility that will be housed here at Loughborough. It offers us real benefits. We will have a working machine to develop further innovations. Being able to bring clients' test requirements in house will enable us to work more closely with industry".

Mark Shelton, Director of Shelton Vision Systems Ltd said, "The new test facility at Loughborough will give companies who wish to run tests on state of the art equipment an affordable solution". "The use of the system will be free to companies for the first three months", added Mark.

Those who wish to run tests on their fabric or sheet material can do so by contacting Mark Shelton on 0116 275 3421 or email

[mark@sheltonmachines.co.uk](mailto:mark@sheltonmachines.co.uk)

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**Notes: -**

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