



MACHINE VISION PROFESSIONAL

VISUALISING THE FUTURE



ON THE EVE OF
VISION, A BRAND
NEW MEDIA
PLATFORM FOR
THE INDUSTRY

INTERVIEWS WITH
SOME OF THE
INDUSTRY'S
LEADING PLAYERS

GREAT INSIGHT
FROM SECTOR
COMPANIES

Scanning



Crowley to make its debut at VISION

Neil Martin talks to Cheri Baker, Director of Communications, and Rich Jackson, MACHCAM 71 Channel Manager, on why The Crowley Company has decided to make a foray into the machine vision industry.

Although established in 1980, the Crowley Company is a newcomer to the machine vision industry and will be displaying its latest camera, the MACHCAM 71MP, for the first time at VISION.

Crowley is headquartered in Frederick, Maryland (US) and also has offices and hardware manufacturing facilities in San Dimas, California (US) and Basingstoke, Hampshire (UK).

The company is a capture hardware (scanner) manufacturer, distributor and service bureau for the archives and records management industries. It offers a complete range of digital and analog solutions for imaging technology and film

processing. Clients range from Universities with special collections to the U.S. National Archives.

The move into a new industry came about because of the MACHCAM 71MP.

Rich explains: "We developed the MACHCAM 71MP camera for installation in our own future capture products and soon realized that the applications for such high resolution capture go far beyond our corner of the imaging industry.

"That's why we stepped into this market. We build some of our products and we'll continue to build more. We will supply horizontally this high-mega pixel camera into our own products and while doing that, so that we can get some economies of scale, it seemed like a natural step to add it to

MANUFACTURERS ■ DISTRIBUTORS ■ END-USERS

When the Details are Critical, See More, Do More with the New **MACHCAM71** MP Machine Vision Camera

The Crowley Company has designed the programmable features of the CHR70M sensor into two easily-implemented 71MP custom machine vision cameras: the **MACHCAM 71C** and the **MACHCAM 71M**.

Key Features:

- RGB color and monochrome models
- Lightweight 3.25" x 3.25" x 2.5" case
- USB 3.0 compatible
- 10000 x 7096 active pixels
- Software development kit included
- Meets NARA, Metamorfoze and FADGI preservation guidelines
- F-mount standard; custom mounts as requested

Industry Applications:

- LCD/PCB Inspection
- Scientific Imaging
- Aeronautics
- Packaging and Inspection
- Transportation
- Law Enforcement
- Military
- More



Demo the
MACHCAM 71
Stand 1D88



To learn more or to request a demonstration, call (240) 215-0224 or email machcam@thecrowleycompany.com.



the vision market, which I believe is a tremendous growth opportunity.

“Manufacturers are more and more concerned about quality control. People have been using smaller mega pixel cameras and they’ve been using them in quadrants of four, or nine, or even more, to get the kind of quality they can get with this single camera.

“Through several field tests with machine-vision end-users and manufacturers, we’ve enhanced the original design of the MACHCAM 71 to become an effective tool, particularly in detail inspection applications such as substrates and circuit boards. It is also being tested in the archives market for high-end digital preservation efforts.”

The company’s move into the machine vision sector is viewed with enthusiasm.

Cheri takes over: “It’s always exciting to have a new outlook, so entering into the world of machine vision has been an adventure. There’s a learning curve, but we have the basis of knowledge to make it a relatively small leap and believe that our archival experience will enhance the machine vision capabilities and vice versa.”

In terms of the future, Crowley is confident that they can build on the success they’ve enjoyed this year. The core business of digitization and preservation is strong, and both scanner sales and imaging services have been on the rise.

Now they are looking forward to a repeat in the machine vision market.

“We first introduced the MACHCAM 71 at the AIA Vision Show in May and have since signed several distributors worldwide, sent out units for field tests and received more than 100 expressions of interest. This tells us that the market is interested and we’re committed to working with the MV end-users to engineer a product that is both affordable and offers a competitive advantage over other 71MP cameras; which, at this time, are very few.”

We’ll catch up with the team at VISION to see how they are getting on.

