Case Study

Siddhomal Paper goes with ViewAXIS Mega for the second time!

Background

Siddhomal Paper Conversion Co (P) Ltd is an offshoot of Siddhomal and Sons, which began as a paper merchant in the early 20th century in New Delhi. From a modest paper trading concern, the parent company has grown into a multi-million dollar firm that is engaged in the manufacture of flexible packaging materials for bluechip clients worldwide.

Challenges

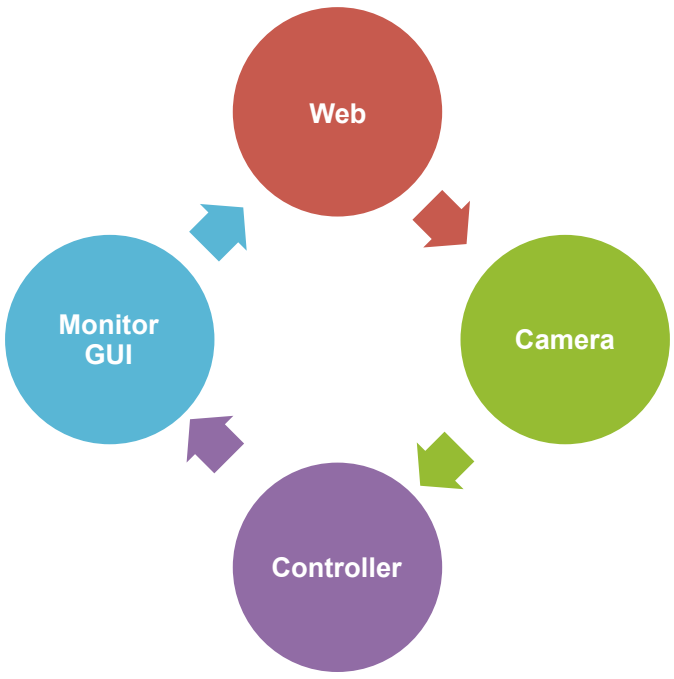
The printing and converting industry has become very competitive with escalating demands for improved print quality, high efficiency, and reducing waste in the use of expensive raw materials.

Rotogravure printing is subject to common printing defects such as perforations, voids, streaks, missing prints, colour variation, and others. An operator monitors the print web for such defects and takes corrective action. However, when rotogravure machines are run at high speeds (hundreds of metres per minute), detecting print defects with the unassisted human eye is impossible. These defects lead to rejections, and thus excessive material wastage.

As with every converter, Siddhomal Paper Conversion too, was struggling with these problems, and was on the lookout for a print defect monitoring system. After looking at several options, Siddhomal paper decided to go with A.T.E.'s ViewAXIS Mega, a next generation web video system.

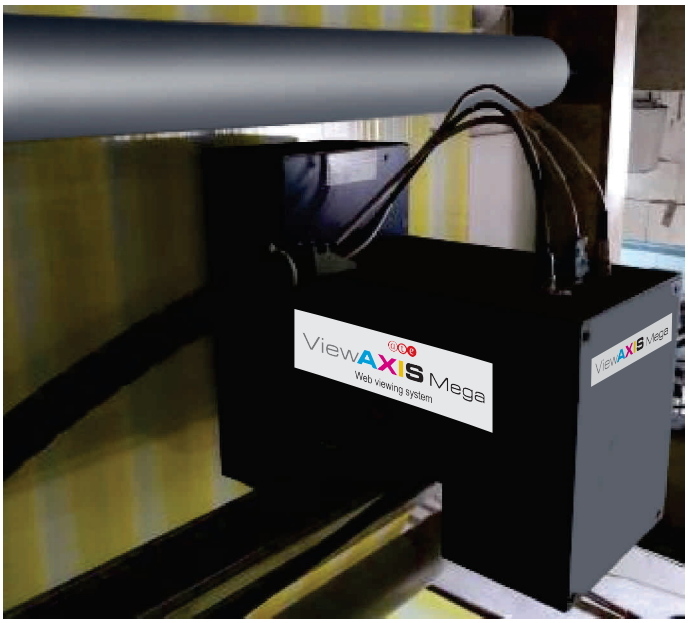
About ViewAXIS Mega

A.T.E.'s ViewAXIS Mega is designed for superior print monitoring. In addition, ViewAXIS Mega helps enhance print quality and offers maximum operational flexibility and ease in installation/retrofitting. It is suitable for any type of roll-to-roll application or packaging substrate.



ViewAXIS web video process diagram

The ViewAXIS Mega print vision system employs a modular design and uses state-of-the-art technology to deliver sharp and accurate stationary images at high print speeds. The ViewAXIS Mega's area scan camera provides high-resolution digital images with numerous web viewing options. The bright white-light LED strobe unit ensures low power consumption. Smooth travel along the motorised traverse and magnification in the region of interest adds to operational flexibility. Magnification, split screen, image rotate and flip features help in instant error identification. The split-screen feature, in particular, allows comparison of cross marks printed on both the edges of the substrate – a very important monitoring parameter. An icon-based graphical user interface (GUI) on the touch-sensitive monitor makes it easy for users to operate the ViewAXIS Mega. Users may also predefine critical positions over areas of interest (stored in the memory), and monitor these areas continuously. An automatic constant scan mode helps operators monitor the web step by step. A unique feature of the ViewAXIS Mega is manual iris control for dynamic exposures. This allows operators to control the amount of light falling on the camera sensor, which improves image quality.



Result

After installing the ViewAXIS Mega, Siddhomal observed:

- Reduced rejections and thus, less material wastage
- Quick error identification
- Reduced set-up time
- Improved print quality
- Improved productivity

Siddhomal Paper was thrilled with the results and has placed a repeat order for A.T.E.'s ViewAXIS Mega!

Mr. Ajit Kasliwal, Plant head, Siddhomal Paper Conversion Co (P) Ltd - Noida plant

"The ViewAXIS Mega performs its desired functions. Ours was the first installation for this product and A.T.E. was prompt in sorting initial niggles. I have been associated with A.T.E. for over 2 decades and the thing that I appreciate is that A.T.E. delivers what they commit. We have now placed an order for another ViewAXIS Mega for another machine; hence the repeat order is our best testimony."

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