

# CASE STUDY

## Aurobindo Pharma Ltd.

Lake Image Systems and Vinsak Installs a Print Quality Inspection System for Aluminum Foil Blister Packs at Aurobindo Pharma Ltd.

Lake Image Systems Ltd., in partnership with Vinsak India, is pleased to announce that they have implemented a fully integrated and automated print quality inspection system on Vinsak's Slitter/Rewinder at Aurobindo Pharma Limited, based in Vizag, Andhra Pradesh, India. This highly flexible, combined unit is used to verify the print quality of pre-printed rolls of aluminium foil pharma blister packs, prior to the roll being slit and rewound onto two smaller reels, which are then subsequently used for blister pack production.

The inspection system utilises Lake Image's first contact image scanner (CIS) technology implementation in India, to overcome the problem of capturing, crisp, undistorted images from highly reflective surfaces.

The integrated print quality inspection equipment consists of 2 key components:

- The VINSAK USAR 330 Slitter Rewinder Unit: This modular equipment is designed to meet the increasing demands of today's converting, security, printing and label industry. It consists of a pneumatic expanding unwind and rewind mandrel, variable speed and tension control system. With a digital programmable feature HMI and an electronic web guide system & ultrasonic sensor, the system is ideal for opaque and clear substrates. With all major components driven by servo motors, the equipment runs at a speed of up-to 300 meters per minute.
- Lake Image Print Quality Inspection System is fully integrated onto VINSAK Slitter Rewinder and incorporates a high resolution, linear scanner unit (DISCOVERY Maxscan) with high intensity LED lights, to capture crisp, undistorted images at 600 dpi, even from shiny, reflective surfaces. Lake Image's DISCOVERY Multiscan inspection software then compares every captured image against a supplied master image or PDF file, in real-time to detect print defects. If an error is detected, the close integration enables the defective piece to be precisely tracked so that it automatically stops at the inspection plate for the operator to review. The print error is also shown on one of two Multiscan's monitor and the nature of the error, its location and associated information is logged. A full inspection report is available at the end of the job run.

"Lake Image Systems installed on Vinsak's Rewinder inspection machine is performing as per our requirements," said Mr. N Praveen Kumar, Senior General Manager at Aurobindo Pharma Limited. "Printing aluminium foil being critical material which is used for packing pharmaceutical products for Regulatory market, it is important to use the right material without any distortion on the text, design and colour. Lake Image system is performing very well taking care of complexity of shiny aluminium foil. We are very happy with the performance."



"We are delighted to be a part of this exciting new innovation with Vinsak," added Paul Stinson, Sales Director at Lake Image Systems. "As a reputable supplier of print inspection technology within the packaging and label industry, our print inspection systems are now seen as an essential component in improving print quality whilst reducing production costs and waste, but more importantly, for mitigating the potential risks associated with faulty packaging for both the printer and the end client. We are delighted that Aurobindo Pharma Limited has chosen this fully automated inspection system for this critical part of their business."

### About Aurobindo Pharma Ltd.

Aurobindo is one of the leading Pharmaceutical company catering to various regulatory market.

### About VINSAK INDIA Ltd.

Innovative and business-oriented packaging solutions are brought to you by VINSAK. In the past 2 decades, VINSAK has enabled many businesses succeed financially by providing them customized solutions that were well integrated and supported. These include manufacturers of packaging & printed products that extend from large and well-established brands to entities that are in their nascent stage of growth. The vision of VINSAK has brought solutions that are innovative, high quality and more critically, an ideal fit for businesses to succeed in today's competitive environment. These and the commitment to serve the customer's business interested have enabled VINSAK growth that now spans extensively across Indian Sub-continent, Middle East, and large parts of Africa.



Lake Image Systems Ltd  
The Forum Icknield Way Tring  
Hertfordshire HP23 4JX England  
T: +44 (0)1442 892700  
F: +44 (0)1442 892792  
E: sales@lakeimage.com



Lake Image Systems Inc  
205 Summit Point Drive Suite 2  
Henrietta NY 14467 USA  
T: 001 585 321 3630  
F: 001 585 321 3788  
E: salesna@lakeimage.com

Lake Image Systems Asia  
33 Ubi Avenue 3 #03-07,  
The Vertex, Tower B  
SINGAPORE 408868  
T: +65 6509 0192  
E: LLSAsia@lakeimage.com

All product names, logos, and brands are property of their respective owners.

Copyright ©2023 Lake Image Systems. All rights reserved.

