

# HORIZON

• Automation • Technologies • Opportunities

## BST eltromat India has been awarded **SME 1** rating by CRISIL



BST eltromat India Pvt Ltd. has been awarded with a CRISIL rating of SME 1 on 18 May 2017. This is the "Highest" rating for SMEs in India for their overall creditworthiness. The rating is valid for 1 year. There are various advantages of CRISIL rating which can be leveraged to our advantage.

A rating from CRISIL is a stamp of quality from the most renowned rating agency in India. The rating is also an indicator of an SME's performance capability and financial strength.

**About CRISIL:** A global, agile and innovative analytics company and India's foremost provider of ratings, data, research, analytics and solutions. CRISIL is majority owned by S&P Global Inc., a leading provider of transparent and independent ratings, benchmarks, analytics and data to the capital and commodity markets worldwide.



Certificate by CRISIL

# BST eltromat iPQ Center at Manikchand Packaging Ltd., Pune

BST eltromat India is proud to announce that it has completed the installation, commissioning of its various quality assurance systems at Manikchand Packaging Limited (MPL), Pune. It was a deeply fulfilling but a challenging and complex task as MPL has a range of presses at their plant and they wanted to invest in quality assurance systems which can help them enhance overall productivity & quality keeping in mind the press and process characteristics. The application and requirement of each machine was different but BST eltromat India managed to provide the best suitable solutions for each of the machine.

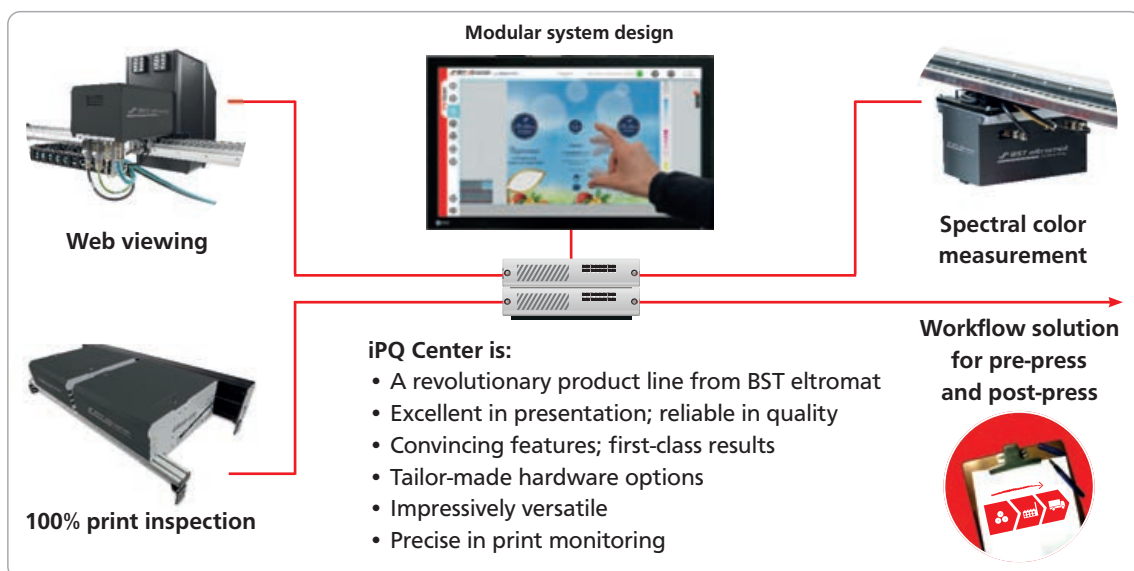
MPL opted to install BST eltromat systems on their various presses, the details are mentioned below:

- Rotomec 888 printing machine: iPQ View & iPQ Check- 100% inspection
- W&H CI Flexo machine: iPQ View
- Cerutti machine: iPQ Workflow, iPQ Check- 100% inspection, iPQ view, Regi\_Star 20 and Viscosity Control
- Brievt UV machine: iPQ view with UV flashes for security print inspection



Since the installation, the amount of wastage in resources, man-hours, energy has been drastically reduced. Operators not only find the entire system user friendly but now they can also keep a complete control over the production process. All installations have been "fit and forget" resulting in a seamless integration between the press and systems.

BST eltromat India presented the idea of a flexible platform through its iPQ Centre print process technology to MPL and explained them about the system's endless capabilities when it comes to print process management. iPQ Center is a modular and forward-thinking system, which combines a variety of quality assurance tasks in one user interface, this also means that there are no double job entries, enables shorter and intuitive operation workflow through gesture control on a multi-touch screen interface, provides clarity in the process, the same GUI for all tasks and reduced training requirements through the seamless control approach.



The iPQ-Center combines numerous quality assurance features on a single software platform. Its uniform and intuitive control design enables a central access to various quality management features, from the view of the complete web width, to zoom and selection of image areas, to the determination of measuring locations for color measurement. The iPQ-Center can be freely configured and upgraded in accordance with requirements of customers.

# iPQ Center - solutions for flawless print results:

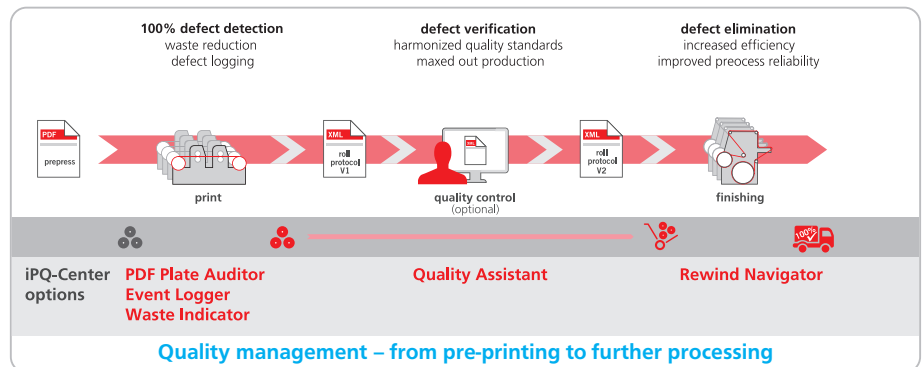


iPQ Center is a combination of the below systems/tools:

- **iPQ Check:** An intelligent tool for 100% print inspection using 4K RGB color linescan camera throughout the whole printing format. Detecting defects like, ink splashes and streaks, etc.
- **iPQ View:** A powerful tool for digital web monitoring in the printing process. A vast variety of standard features and equipment options makes the iPQ-View an attractive multi-function tool for quality assurance. Enables Digital web viewing with high-res. 1-chip or 3-chip digital cameras.
- **iPQ Workflow:** Fast & smooth processes allow a higher level of efficiency with perfect results. Functions like, PDF plate auditor, event logger, waste indicator, quality assistant, rewind navigator enables uninterrupted quality control, reliable error detection, fast error correction, optimized process reliability, reduced waste & complaints and increased customer satisfaction.
- **iPQ Spectral:** Supports efficiently on complying with default color standards by carrying out an in-line measurement within printing machine. Perfect comparability with hand-held off-line devices and in-line spectral measurement system working within XRGB standard & development partnership with X-Rite®.

In the past, converters/ printers did not have the option of a modular scalable quality assurance system to meet their requirements. They had to either install different systems for different tasks or compromise on the quality. So they would equip their machines with various systems that would work independently without a centralised HMI and that always prevented the operators to use each of the systems to its full capacity.

The disadvantages of having various such systems working without synchronisation are clear, a higher hardware expense due to equipping each system with its separate PC and monitor; a higher complexity of operating processes for machine operators due to different software, HMI, system setup, system features and its limits. As a result there would be an endless learning curve for the machine operators with any break in the training chain leading to the misuse of the system or/and the system being idle due to operator frustration.



In response to the described problems BST eltromat developed an intelligent and integrated quality assurance solution: **BST eltromat iPQ-Center.**

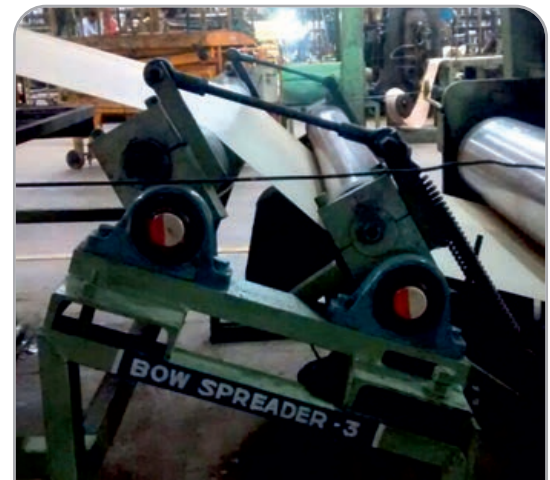
If you are a printer / converter and interested in a print process management system, you can now approach BST eltromat India and can plan a visit at their manufacturing unit in Anand, Gujarat where you can bring any printed material (in web format, maximum roll dia. 800 mm & web width upto 650 mm) and get it inspected by the iPQ Center. BST eltromat India's experienced engineers will give you thorough system demo and will also provide you real-time results with immediate job analysis for the material. For more details, please call on +91-22-6686 0900 or send a mail [info@bsteltromat-india.com](mailto:info@bsteltromat-india.com).



# New Project Initiative: Double Expander in MRF Ltd.

BST eltromat India had recently undertaken a project with MRF Ltd. for the installation & commissioning of the Double Expander system for their 74 inch calendar line and Dipping unit in their Medak plant. The application of this process involves the stretching of the "Tyre cord Nylon Fabric" material according to the target value set by the operator. The said process requires high precision during production and it was also a good challenge for us, as the application itself was quite complex.

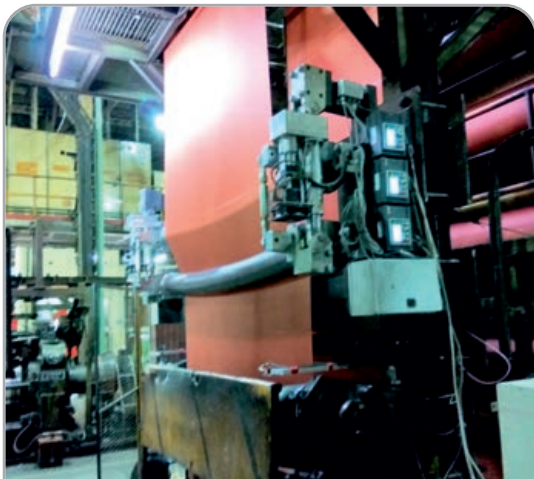
The customer was facing problems in measuring the desired width of the Textile Fabric. The operator has to measure the target value of the material each and every time during the process and if there is any variation, then operator has to adjust the pneumatic sensor manually on the web. This caused them wastage in time, material, resources and the final output was not as per their desired standards. The production was also not carried out as per the schedule due to the various delays during the process.



Before Installation

BST eltromat India, provided a complete solution with CCD Line Chip Sensors, Powered actuators with brakes, Commanders, Expander rollers, BTL and BST eltromat Logic Control system for the process. Our design & production team provided a bespoke solution for the customer.

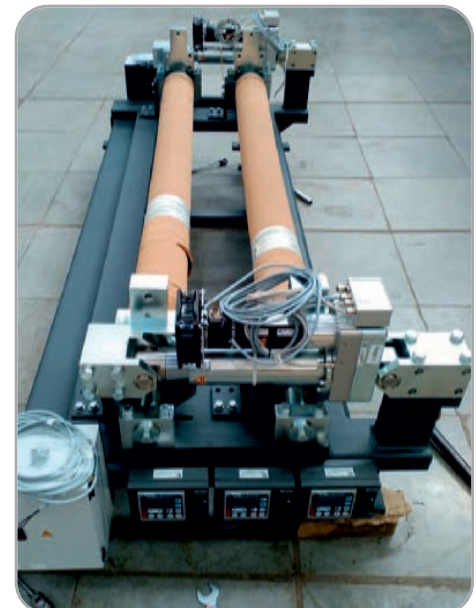
The biggest advantage of our system is that, it measures the width of the Textile fabric material and you can feed the target value in HMI. The same value is maintained through the special contraction expander roller with the help of high-torque actuators and the actual value of the width can be seen in our system. Thus operator has a better control over the process and overall production. The customer is very happy with the overall performance of the system.



After Installation

Since the installation, customer has achieved their desired results in the production process which is now as per their standards. The target range of the material is also controlled with the help of BST eltromat systems integrated with customer PLC.

The execution of the project was carried out in a thoroughly professional manner and the same has been appreciated by the customer. The ROI for the project is estimated at approx. **12 months** according to the customer, which is a commendable achievement.



# BST eltromat India sponsoring LMAI Conference 2017, Agra

BST eltromat India is participating and sponsoring upcoming LMAI conference commencing from 20 - 23 July in Agra, India. This is the biggest event for Indian Narrow web & Label Industry with expected participation from over 175 countries, more than 100 label manufacturers and more than 500 delegates from the industry are expected to connect with each other.

The delegates attending the conference will be informed about "Low Cost and high quality narrow web viewing and inspection" for Indian market by Mr. Martin Betting (Director- Business Development at BST eltromat Int.)

LMAI is a central body incorporated to promote the Label manufacturers and their suppliers across India with over 270 profound members. LMAI is also associated with Global Forums like FINAT, L9, WLA and also a bona-fide listed in Ministry of MSME, Govt. of India.



## Upcoming exhibitions:



Visit us at: **Stall 12 A 62** | Pragati Maidan, New Delhi.  
03 - 06 August 2017

Systems on display:

- iPQ Check • iPQ View • Regi\_Star 20 • POWERScope 5000
- Super HandyScan 4000 • Web Guiding



Visit us at: **Stall 30 , Hall 7A** | Pragati Maidan, New Delhi.  
01 - 04 November 2017

Systems on display:

- Tension Control • POWERScope 5000 • Surface Inspection • Web Guiding



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- Web Guide • Tension Control • Web Video Inspection • 100% Inspection • Surface Inspection • Color Measurement
- Register Control • Viscosity Control • Density & Thickness Measurement • Process Automation