



Dear Reader,

The India Converting & Flexo Show held in August '08 at Pragati Maidan turned out to be a VERY GOOD exhibition for BST Sayona.

On display was "Premius Lex" -Process Management System for Labels, BST's newest line guiding system "CLS Pro", "Super Handy Scan 4000" video inspection system and "EYE TOUCH" color registration control system. All the new products were highly appreciated by our

customers, so much so that Mr. Kanodia of Kanodia Techno Plast Delhi bought the "SHS 4000" which was being exhibited. "CLS Pro" too received overwhelming response with 8 bookings during the show. Three "EYE TOUCH" color registration control systems have also been booked in the mean time.

Taking the next step, we are now looking forward to "India Label Show" to be held from the 03rd-06th December'08 at Pragati Maidan, New Delhi. Here we will proudly present the new "SHARK 4000 Lex" 100% Defect Detection Camera on an indigenously manufactured rewind inspection table, and also the "PREMIUS Lex" Process Management System.

I hope to see you all at the India Label Show, Hall No.12, and Booth No.A6, to discover the world of Printing which is not only black and white but colorful too.

SUPER TECHNOLOGY & SUPER PERFORMANCE of the "PREMIUS" has made us win customers across India in the last quarter, we are delighted that as many as 6 new "PREMIUS" systems have been ordered on various press W&H, Rotomec, Uteco from companies like Uflex, Trident, Glory Films, IDMC, Bilcare etc and couple of more systems are lined up to be ordered in coming weeks.

"SHARK 4000 Lex" for Label Inspection also has been receiving very good response and we are expecting order conformation from Label Printers for 3-4 systems during the "India Label Show".

Thanking You and with Warm Regards,
TAPPAN PATEL



Don't jump to conclusions. There are usually not only two sides to every story, but three, four or more. Give others the benefit of the doubt, and people will love you for it.

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PRODUCT RANGE

- Web Guides
- Web Inspection Systems
- 100% Defect Detection Systems
- Print Process Managing Systems
- Registration Control Systems
- Safety Chucks
- Viscosity Control Systems
- Tension Control

What's new at BST SAYONA

RIT 350—INSPECTION TABLE

The RIT 350 Rewind Inspection Table Machines have been designed to be both technically advanced and to stay within a modest budget. It includes BST Electronic Edge guide and rotary scissor slitting unit with knife separation and lateral adjustment.

The all drives, HMI and PLC are synchronized by the use of system bus, ensure fast communication and plug and play. The use of feedback devices such as load cell, encoders etc ensures proper feedback and increases the closed loop controls. The MASTER OPERATOR touch panel ensures easy operation to set all parameters from one place and also makes it easy to see the various machine parameters, motor parameters, tension data, machine speed, drive status, faults with its identified nos. and many more. The use of touch screen eliminates the use of potentiometers, minimizes the use of push buttons ensures less wiring parameters with ONE TOUCH START which helps to minimize the chance of operator making mistakes.

The setting of PI-Process control in touch screen helps fine tuning considering the different process behavior of substrates with OPERATOR AND SUPERVISOR PASSWORDS. The use of COMMON DC LINK WITH SEMICONDUCTOR FUSE and BRAKE RESISTORS incorporates the load balancing with emergency stop considering machine requirement.

The machines unwind and rewind has taper tension control as standard which enables the tension to be kept at a predetermined tension set by the operator.

RIT can be fitted with BST "SHARK", 100% inspection systems. Each and every fault is automatically stored during machine runs and stopped on the splicing table and displayed.

High working speed and excellent quality of the finished reels. Web widths up to 330 mm with BST Electronic Edge Guide suitable for opaque and clear supports. Maximum mechanical speeds of up to 200 mts/min with full error control in use.

TECHNICAL SPECIFICATIONS

1.1) Unwind section:-

- Min reel diameter : 100mm
- Max reel diameter : 700mm
- Tension range : 20N to 300N
- Tension Feed back: Load cell.
- Closed loop: Encoder & load cell.
- Unwind direction: Programmable.
- Set diameter: Programmable.
- Tension entry : HMI
- Tension display : HMI

1.2) Pull Nip section:-

- Steel roll with timing belt : 140-200mm OD
- Speed set up: Automatic touch panel and digital push buttons at both ends.

1.3) Rewind section:-

- Min. diameter : 100mm
- Max reel diameter : 500mm
- Tension range : 20N to 300N
- Closed loop : Encoder, load cell
- Rewind direction : Programmable
- Tension entry : HMI
- Tension display : HMI

1.4) Operator control:-

- Interface type: HMI Touch type- 5.7", 4 color and digital push buttons.
- 1.5) Max speed: depends on mechanical and operational activities.
- 1.6) Max web width: 400mm

1.7) POWER DETAILS

- AC Vector drive at unwind (EVF 9323 EV): 2.2KW (3HP)
- AC Vector drive at Pull nip (EVF 9323 EV): 2.2KW (3HP)
- AC Vector drive at rewind (EVF9323-EV): 2.2KW (3HP)
- Brake module EMB 9351 E : 1 no.
- ## All drives are selected at @150% overload at 60 sec.

1.8) STOP METHOD:

- Normal stop as per RAMP time.
- Emergency stop 3-5 second
- Automatic stop of machine during any drive trip.

1.9) ADDITIONAL INFORMATION:

- Power supply provision of web guide system at unwinds.
- Interlocking of safety input output.



Performance



SUPER TECHNOLOGY, SUPER PERFORMANCE of the "PREMIUS"

Process Management Control System, has made us win customers across the continent in the last quarter, we are delighted that as many as 6 new PREMIUS have been ordered on various press (W&H, Rotomec, Uteco from companies like Uflex, Trident, Flexibles Glory Films, IDMC, Blicare etc and couple of more systems are lined up to be ordered in the pipeline.

Product Pick

EYE TOUCH Register Control System with XPress Register Preset

Automatic length and side register controls

EYETOUGH is the latest generation register control developed for the Printing Industry. Modular and simple structure, it carries out longitudinal and transversal control of print register. Possible applications of EYETOUGH are rotogravure flexographic and offset printing presses.

LED Fiber optic scanning heads with automatic gain adjustment amplifier are used to read the print marks. The digital oscilloscope can be used to display and control the input signal. Programming, control and display of error can be implemented both through the numeric keyboard and the industrial PC with LCD touch screen monitor.

Each print element is synchronized by a single encoder and controlled **independently** by advanced microprocessors. Three different modes visualize the longitudinal and transversal register.



TECHNICAL FEATURES

Speed	5600 m/min
Sensitivity	0.01 mm
Max correctable error	+/- 30 mm
Presettable error threshold	+/- 0.05/3 mm
Minimum working speed	Programmable
Mark recognition	Automatic
PID parameters of motor control	Programmable
Monitor	LCD e touch screen
Presetting	Optional

Performance



SHARK 4000 LEX for Label Inspection have been receiving very good response and we are expecting a green signal for 3-4 new orders during the India Label Show.

*If you follow your heart and work hard you can fulfill your dreams.....
To write something about Mr. Bharat Shah, Managing Director of Pelican Rotoflex is like "Showing a torch to the Sun", a man of such an extraordinary vision and commitment to excellence. I had the privilege to visit his new factory at Rajkot and I must say that it was like entering a world of extraordinary scale and reach. As a true Indian, I feel proud that we now have a machine manufacturer capable of manufacturing gravure press of international quality.
CONGRATULATIONS! Mr. Shah for having fulfilled your dreams in such a short span of time.*



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