WISPRINT 高斯中国

VARIER L 850

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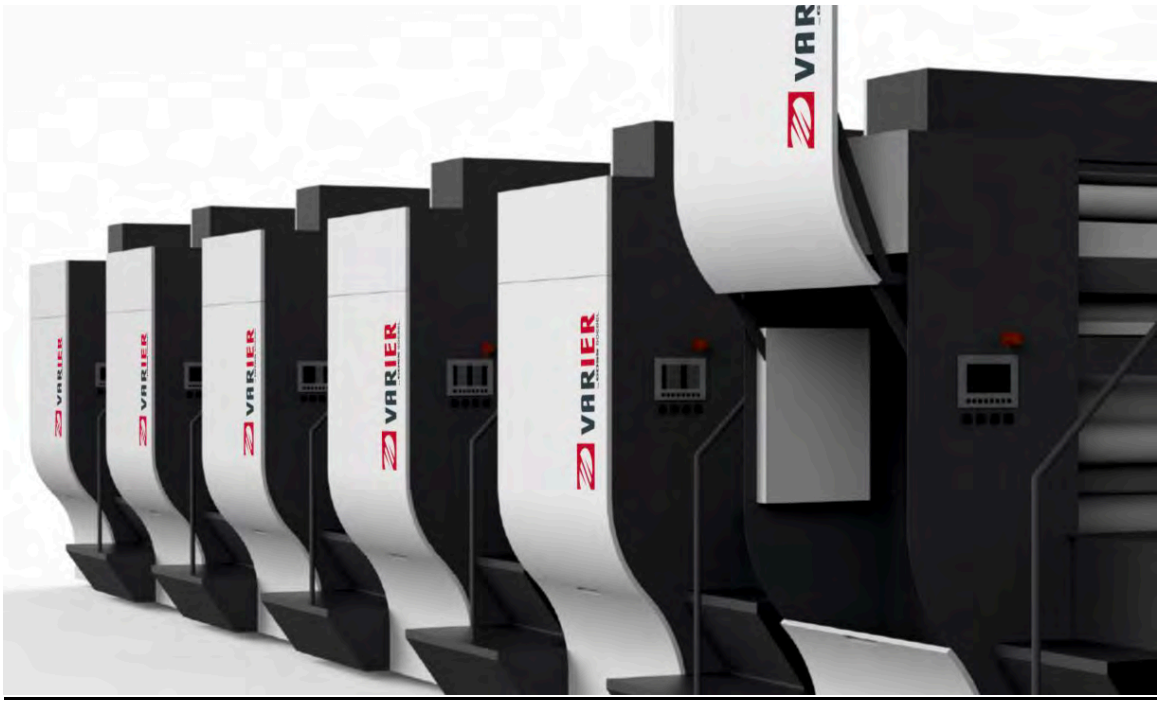

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The Varier L 850 is a web-offset packaging press, designed for high quality printing of a wide range of packaging materials. Based on an adaptable design it can be supplied in a number of formats with a range of optional features to suit the application.

GOODS SPECIFICATIONS

Repeat length: 457 - 914 mm

Maximum Web Width: 850 mm

Designed Operating Speed: * up to 350 meters per minute

*Speed dependent upon equipment configuration, sub system specifications, substrate, coverage, press staffing and existing equipment limitations.

PROPOSED PRESS LAYOUT

1. Non-stop unwind
2. Infeed/web guide module
3. Corona module (single sided)
4. Six (6) Varier L850 offset units
5. UV curing system
6. Auxiliary stack web guide and register system
7. Web viewing/video inspection module
8. Outfeed/web guide
9. Non-stop rewind

MISCELLANEOUS ADDITIONAL EQUIPMENT:

ONE (1) OFF PRESS PRINTING PLATE INSTALLING UNIT

TWO (2) SLEEVE LOADING DEVICES

ONE (1) GOSS MAIN PRESS DRIVE

ONE (1) GOSS CLOSED LOOP TENSION CONTROL

ONE (1) GOSS PRESS CONTROL SYSTEM

ONE (1) GOSS WEB PREPRESS INTERFACE

ONE (1) GOSS PRESS PROTECTION SYSTEM

ONE (1) TEMP CONTROL/DAMPENER MIXING SYSTEM

EQUIPMENT DETAILS: (in direction of web path of press)

ONE (1) NON-STOP UNWIND

SPECIFICATIONS:

Maximum Web Width:	33.5	IN	850	MM
Customer Maximum Web Width:		IN		MM
Minimum Web Width (on centre):	17	IN	432	MM
Maximum Roll Weight	1186	LB	537	KG*
Customer Maximum Roll Diameter:	31.5	IN	800	MM
Core Inside Diameter:	3	IN	76	MM
Maximum Eccentricity:	+ 1	IN	+ 25	MM
Web Running Direction:	From left to right when viewed from the operator side			
Material:	9 to 80 micron PET, BOPP, and PVC			

ONE (1) SERVO DRIVEN INFEED WITH WEB GUIDE

- Adjustable tension control
- Servo drive
- Free-standing drive enclosure
- Up to 20 pli tension control
- BST web guide assembly

ONE (1) CORONA SYSTEM (SINGLE SIDED)

For Corona “Post-Treatment (=refreshment)” of substrates to improve the adhesion properties.

System overview:

Fully Automatic matching generators:
Vetaphone’s generators are built with a unique patented resonant feedback system, which automatically matches the corona to the material.

Automatic Corona power density:
The station is equipped with a line speed controller. This makes it possible for the generator to automatically raise and lower the generator power according to speed, so it provides the same power per square meter material at all speeds within its capacity. The generator will automatically start and stop together with the production line.

Quick Change system:
The corona treater is built with an electrode system in a removable pull-out/push-in cartridge for quick and extremely easy maintenance and cleaning. This ensures minimum downtime and increased productivity due to the accessibility.

SIX (6) VARIER L 850 NON-PERFECTING PRINTING UNITS

Varier is a variable size non-perfecting web offset printing unit specifically for packaging applications. Repeat length is accomplished with fixed size mandrels and variable size sleeves for both the plate and blanket cylinders.

Plate sleeves are sized to accept a standard (.30mm) thick plate without packing. Plate stops are included as standard on the gear side of the cylinder

Blanket sleeves are designed to use conventional blankets for the highest print quality possible and smooth unit performance

- Motorized circumferential and lateral register adjustment, circumferential adjustment is ± 360 degree. Lateral adjustment is ± 3.00mm
- Non print gap <= 2.54 mm
- Motorized plate cylinder cocking with ± .30 mm of adjustment
- Unit phasing register is obtained by unit drive synchronization
- Three-form roll ink train consists of 17 rollers. Nine of these are rubber covered, there are Four oscillating nylon covered vibrators, one metering roll and one fountain roll
- Ink keys are 30 mm wide and provide a minimal gap between keys. Ink key adjustment is motorized and remotely operated.
- The vibrators are cooled by means of water circulation (chilled water supply by customer)
- Ink Vibrator stroke ±15mm
- Water Vibrator stroke ± 9.525 mm, and is non-adjustable

- One four-button drive station is located at the work side exit of each unit. An additional drive station is located on the entrance side of each unit.
- The units are driven by individual motors (three Servo drives per unit)
- Unit phasing register is obtained by unit drive synchronization
- A motor driven oil pump provides pressurized circulation for inker / dampener gear train
- Unit guarding is controlled by safety switches
- Drive station is located at the work side exit of each unit. An additional drive Station is located on the entrance side of each unit
- Ink mist hoods (venting by customer)
- Blanket and/or blanket adaptor can be changed without removing the web from the machine

ONE (1) LED UV CURING SYSTEM

ONE (1) SET OF PLATE AND BLANKET ADAPTER SLEEVES FOR ONE RANGE OF SIZE

Each unit is supplied WITH one set of plate and blanket adapter sleeves to accommodate one range

ONE (1) OFF PRESS PRINTING PLATE INSTALLING UNIT

Whilst printing plates can be fitted when the adapters are still in position in the printing units, this device allows plates for the next print job to be mounted offline to reduce the make- ready cycle time between jobs.

Plates can be pre-mounted on to the adapters and loaded to the adaptor trolleys ready for the next job changeover whilst the current job is running.

ONE (1) TROLLEY UNIT FOR SLEEVE STORAGE AND TRANSPORT

Once the plates have been mounted on the installing unit they can be loaded onto the adaptor
trolley and wheeled into position adjacent to each print unit to further facilitate the job changeover

ONE (1) MULTI-ZONE TEMPERATURE CONTROL UNIT

The multi-zone temperature control system is packaged within a central cabinet, with heat exchanger, for connection to an external chill water supply (to be supplied by the Buyer)

The system is designed to provide individual supply and temperature control to each different control circuit

Each temperature control circuit has a circulation pump, electric heater (only circuit 1), control valve, temperature probe & safety devices.

ONE (1) DAMPENING SOLUTION PREPARATION UNIT

Space-saving and efficient cabinet unit for dampening solution preparation

Key features:
Dampening solution tank
Colour touch screen control panel
Integrated water/glycol-cooled refrigeration unit
Refrigerant R407C
Integrated switch box with multicom micro-processor control unit
Dampening solution circuit is equipped with stainless steel tank, feed pump, filter system type softflow in the return flow and alcohol safety container 20l.

ONE (1) SERVO DRIVEN OUTFEED WITH INTEGRATED WEBGUIDE

Outfeed Features:

Adjustable tension control
Servo drive
Free-standing drive enclosure and isolation transformer
Integrated web guide

ONE (1) NON- STOP REWINDER

Outline specification:

Maximum unwind diameter 800 mm
Maximum roll weight 800 kg
Maximum web width 850 mm
Minimum web width 432 mm
Core inside diameter 76 mm

Key features:

Motorized reel lifting device
Electronically controlled drive for rewind process
Automatic stopping device will activate when the maximum reel diameter has been reached
Contact roller load can be preset at the PC control console
Integrated web clamping device
Remotely controlled, pneumatic web clamping device for preparation of the splicing process

Integrated adhesive tape dispenser
Integrated dancer roller
Pneumatically loaded dancer roller with tapered tension control via rewind drive
Web tension presetting via the press control console
Web direction left to right

ONE (1) AUTOMATIC REGISTER CONTROL SYSTEM

This System automatically measures register with a single imaging device positioned after the curing apparatus. The system utilizes a series of small printed targets.
Supplied with the following hardware:

Sensor module with one air purge image sensor, which monitor actual printed surface. Free standing, rugged design with cast side frames.
One (1) operator workstation with 19? (432mm) flat touch screen display for horizontal mounting on the auxiliary console
One (1) image control processor and cabinet

ONE (1) CLOSED LOOP TENSION CONTROL SYSTEM

In order to reduce both start-up and running waste it is critical that all elements of complex press systems are successfully integrated to ensure uniform tension.

The system captures feedback from multiple tension points throughout the press system and automatically adjusts the appropriate servo motors to maintain the required tension between each element of the system.

As each substrate has its own unique set of characteristics, the presetting system allows different tension profiles to be stored for each different substrate that are called up each time a new job is selected. Tension values from each element of the press system are displayed within the control screens and the operator has the ability to make on the run tension adjustments if required.

ONE (1) PRESS CONTROL SYSTEM

Press system operation combines functions from Press Control and Color Control System from one Press Console

Press Control System is software based for control of all machine functions Features include:

Windows embedded operating system
Pendant mounted touch screen monitor
Ergonomic easy access tray for keyboard and mouse
Sequencing of print functions can be automatically or manually initiated
Remote ink and water control with the added capability to track press speed and provide instantaneous flood
Motorized circumferential and lateral register are adjusted via touch screen control
Good and total counters
Press operations and faults displayed through touch screen monitor
Bar graph display for ink key values as well as on touch screen
Multiple language support
Event Log Screen Report
Unit diagnostics I/O Checks, interlocks, networks
Remote diagnostics (via customer supplied VPN)

The Color Control System provides remote adjustment, presetting and monitoring of ink key position. Operator interface / adjustment by flat panel display.

Features include:
Console can be configured independently of other consoles
Supports GROUP and ALL ink key moves
100 previously run jobs can be recorded and stored on each console
Remote jobs storage capability with Goss PPI (Pre-Press Interface)
Remote ink/water roll speed control
Remote register control (lateral, circumferential)

Consoles Provided:
One (1) Press Control Console with Colour Control
One (1) Vendor Auxiliary Console

ONE (1) VPN CONNECTION

To enable remote access to the press control system for monitoring and remote diagnostics via Buyer supplied Internet connection and VPN

ONE (1) WEB SINGLE SIDED WEB VIEWING SYSTEM

Web viewing system for roll to roll application which allows operators to quickly and easily detect print quality problems such as print and die-cut registration, perforations, streaks, voids, fills, damaged plates and more.

High resolution digital camera
High speed traverse with motor drive, adjustable limits and cable track
Wide range of standard system tools to simplify use while helping manage print and quality:

- o Positional memory with image gallery
- o Auto constant scan
- o 100% scan and step scan
- o Combi-scan
- o Auto center
- o Area of interest navigation tool
- o Multi-function split screen
- o 180? image rotation.

ONE (1) PRESS PROTECTION SYSTEM

Non-contact web break detectors are interfaced with the press control console to provide first out indication and self-arming interlocks

ONE (1) WEB PREPRESS INTERFACE

Interface between digital pre-press systems and the printing press This system permits the conversion of the area coverage into area coverage values for the individual ink zones as well as set up of ink roller speed
Paper/film type and ink type are used to define the ink profile and the speed of the ink roller Data is transferred ON-LINE to the Master Console and provides precise values for pre-setting of ink keys. Preset values can be updated after the job is run and stored in the console for reprinting of job later
Includes the software and an operator manual

All additional hardware (PC, cables and if needed hubs/routers) is to be supplied by customer, according to GOSS specifications
The prepress interface software runs under Microsoft Windows
The Prepress Interface accepts files only in CIP3 format (version 2.1)