PRINT & APPLY SOLUTIONS

Time critical unique identification of packs, cases and pallets to international labelling regulation has changed the importance of in-line Print and Apply installations. Compliant track and traceability and guaranteed accurate and timely data exchange with ERP management systems means it is now far more than a labeller in the manufacturing process. Elevated to mission critical, it is essential Print and Apply Systems integrate fully into the production flow and IT infrastructure with minimal user intervention and reliability at a much higher level than previously accepted.

The very latest requirements are incorporated in the new range of Print and Apply equipment from Cobalt Systems. Real time data management determines label design and content for every label at the point of printing. The label printed is the label applied, with secure procedures to optimize barcode quality, printed to the highest standard ensuring compliance and successful application to the pack.

Robustly built, suited to longevity in demanding production environments, the Cobalt Print and Apply range incorporates many industry standard components including the latest Sato and Zebra ZE500 Print engines.

Cobalt Systems are designed to deliver results with a wealth of features which are selected and configured to get the very best return on investment.

Cobalt Intelligent Print and Apply include open communication enabling a host of a benefits over the pure labelling function :

- Preconfigured software solutions for SAP and Warehouse Management dialogue automatically collecting label formats, data and responding with completed transactions
- The system is addressable across the network or remotely - system settings and status can be effectively monitored and maintained from the engineers office, central control or the Cobalt offices
- Multiple I/O capability creates open communication with upstream and downstream packing equipment to improve the physical management of start up, shut down and build back as well as normal running

RANGE FEATURES

- High Speed Print and Apply using real time data
- Dual and Triple headed Continuous Operation Systems
- Barcode Quality verification to International GS1 standards
- Auto label data population from SAP and confirmed receipt
- Remote Interrogation
- Pallet ID control
- Industrial build quality underlined by Extended Warranty

COBALT
S Y S T E M S

COBALT NEXUS

Built for high speed and high duty cycle the Cobalt Nexus delivers its very best in 24/7 demanding applications. Nexus is available with a wide range of performance application tool option modules to meet every industrial application, regardless of speed and location. The application tool module means the application can be changed without replacing the machine and this even extends to upgrading to Linerless technology. Nexus is a future proof long term acquisition with low cost of ownership and unrivalled performance.

High speed as standalone, or in the dynamic Continuous operation format which senses and responds to applicator availability. Designed to minimise footprint but maximise ease of access for routine and preventative maintenance actions.

System Options

o Integrated barcode verification
o HMI PC touch panel control
o Event/Error/productivity logging with biometrically secure access
o Standard or bespoke floor stands, adjustment groups and lockable slide ways
o Zebra or Sato Hot Swap Print Engine to resolve 80% of errors within 5 minutes and facilitate secure offline repairs

Equipment Features

o Rotational operator control panel for different machine orientations
o Integrated back lit LCD graphical operator display with status, error detail and diagnostics
o Multi Language support
o Remote access diagnostics and adjustments via Ethernet network or GPRS 3G
o Web browser ready
o High speed logic controller
o Universal cradle mounting to orientate machine to suit application
o Simplified label threading via sequenced spindle identification
o Interchangeable applicator tools

Packs/Cases/Pallets per minute		Standard Single Head	Continuous Operation	
			Dual Head	Triple Head
TUC high speed side apply		80	160	240
TUC side apply variable reach		40	80	-
TUC high speed top		80	160	240
TUC high speed front		80	160	240
TUC front, extended reach		40	80	120
TUC front and side		25	-	-
Pallets		3	-	-

PRINT ENGINES

Cobalt Nexus and Spirit incorporate the world class Zebra and Sato print engines. Manufactured to the highest standards and implemented worldwide these engines set the standard for durability, speed, enhanced features and cost effective maintenance. Industry standard print drivers, universal parts availability and consistency with existing corporate installations, ensure simple implementation and confidence in the solutions longevity.

OEM print engines are designed for simple, quick replacement of consumable parts, and can be easily 'hot swapped' for completion of repairs offline. All parts are warranted for long life and economically priced to reduce the cost of ownership.

Using both the narrow and wide width print engines, Cobalt systems select and apply the optimum print engine settings to perfect print speed and quality. All values are visible and adjustable via the web browsing facility, which covers both print and applicator settings.

The very latest Zebra ZE500 Print Engine further enhances Cobalt Print and Apply – with improved performance and simplified parts replacement.

PALLET LABELLING

Meeting the compliance of SSCC pallet identification Cobalt systems label stationary or moving pallets, operating as a dedicated or shared resource for multiple packing lines.

Designed to work unattended and with the intelligence to handle packs from multiple lines, Cobalt Pallet Print and Apply collect product identifiers from the case systems, and interrogate the WMS system to collect SSCC label content. Extensive label validation ensures correct, compliant and readable labels are successfully applied. Using secure sequence checks, both pallet labels on each face are always identical.

SAP INTEGRATION

For users of SAP WM solutions, Cobalt pack and case labelers interface with a preconfigured software solution bridging a common 'gap' in the WM implementation process. Automation of pack and pallet identification, replaces manual receipting procedures, reducing inherent delays, eliminating errors and guaranteeing accurate and timely information into SAP management systems. Real time amendment to batch content and identifers adds responsiveness and improves control of the pallet SSCC handling unit.

LABEL AND SEAL

Combining case labelling and sealing in one process, one machine, the Cobalt Label & Seal System prints and accurately applies labels during tape sealing of the top and bottom of each case. Removing the need for a labelling conveyor, this is space and cost efficiency at its best. Industrial lockable casters to the base and optional wireless communication make this mobile system suitable as a shared resource where packing lines are not continually in use.

Available with the Cobalt Nexus or Spirit with single or adjacent side labelling, Cobalt Label & Seal meets every demand of 24/7 and single shift operations. This intelligent system automatically adjusts label application to suit different case dimensions as well as the application of 1 or 2 labels or 1 label to the front or side of each case, minimising operator intervention.

LINERLESS TECHNOLOGY

Because the environment is important and carbon footprint reduction is high on every boardroom agenda, Cobalt continues its commitment and development to produce the most environmentally friendly Printer Applicator available. Our Polypropylene label film produces a highly robust and weather resistant label ready to travel the world maintaining ID integrity to GS1 standards. Free of liner, significantly greater capacity and lower cost than traditional paper labels, Cobalt's Linerless systems deliver exceptional environmental, cost and efficiency benefits to any business.

Performance and reliability has been at the heart of Cobalt's Gen2 system development. By design the system is modular to allow cost effective upgrades as more efficient modules are developed. A comprehensive range of interchangeable application tools are available supporting pack, case and pallet labelling.

COBALT SPIRIT

Where labelling requirements are more fixed and products are more consistent, the Cobalt Spirit gives the opportunity to automate print and apply economically. Built to the same exacting standards, this is an industrialised solution which will give excellent service in all production environments. Incorporating a clear operator interface, simple media loading and limited adjustability. Once set up has been completed, the Spirit prints and applies reliably and consistently, without attention.

Support, parts and warranties are all consistent across the Cobalt range. Customised operator and engineer training ensure successful installation and local ownership. Further expert assistance is always available from Cobalt engineering services with a free helpline and maintenance contracts tailored to your needs.

COBALT
SYSTEMS

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Cobalt operate a continuous development programme for Print and Apply Labelling Systems and therefore reserve the right to change specifications without prior notice. Issue date: Sept 12 Version 1.0