VULCAN

Print and Apply Labeller with Intelligent Motion™

ice

Printer

Application method	Direct Apply (standard) with Intelligent Motion™ label drive Optional applicators: Front apply, ultra high speed and telescopic tamp
Print technology	Thermal transfer printing with Intelligent Motion™ ribbon drive and direct thermal
Printhead replacement	Tool-free quick release printhead replacement
Print speed	40 - 500mm/sec
Throughput	Up to 350 packs per minute, dependent on line speed and pack size only
Print resolution	300dpi / 200dpi emulation mode

Ribbon

Ribbon width	55mm, 76mm, 110mm
Ribbon length	Up to 830m, including automatic ribbon save (<1mm ribbon gap between successive prints irrespective of label size or speed) Low ribbon and end of ribbon detection with predicted changeover time built in as standard

Label

Media type	Thermal transfer or direct thermal paper labels
Width/length	50 - 115mm/ 50 - 300mm
Capacity	Up to 400mm spool diameter (typically delivers over 9000 typical GS1 barcode labels per roll). Low labels and end of label detection with predicted changeover time built in as standard. Automatic adjustment for label/backing type and label size.

General

6.5" TFT SVGA (800 x 800) touch screen operator interface	On-board diagnostics
Full-colour LCD touch panel interface WYSIWYG print preview	On-board memory, compact flash and/or expansion card
3 levels of password protection	Job selection and database support as standard

Software

CLARiSOFT® Image Design Software	Auto best before date calculation and concession management
Full downloadable font support for Windows TrueType® (including multiple languages and Unicode support)	Scalable text including rotation, mirror and inverse printing
Fixed, variable and merged text fields	Flexible date/time formats
Link fields to databases	Real-time clock functions
Multiple graphic formats supported, any size up to maximum print area	Text blocks
Formats for shift coding	Auto increment/decrementing text, counters and barcodes
User configurable drop-down list fields	400MB on-board label database, sufficient for 25,000 typical GS1 barcode label designs
Barcodes EAN 8, EAN 13, UPC-A, UPC-E, Code 39, GS1-128, ITF, RSS (including 2D composite codes)	

Communications

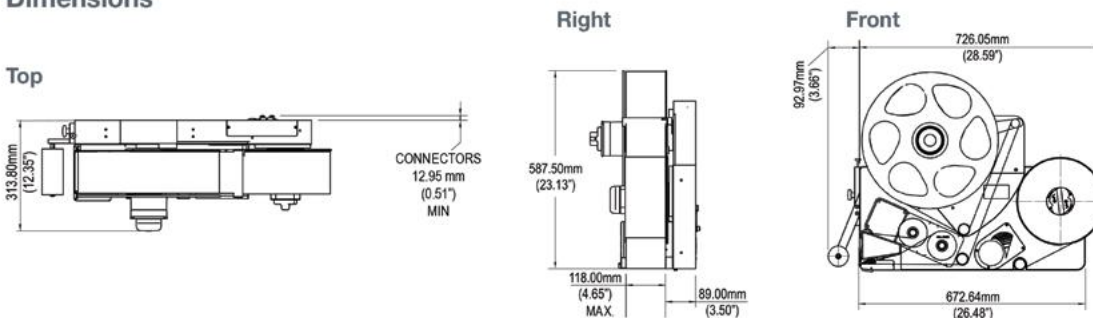|	
Compatible with CLARiSUITE™	Binary and ASCII comms protocols
Compatible with any label design software which supports Zebra and Sato print engines Zebra (ZPL), Sato (SBPL) and Markem-Imaje (Cimcomms) protocol support	

Connectivity

Ethernet	Power-over-Ethernet
RS232	Configurable I/O (240V, PNP and volt free)
USB (for backup/restore and label upload)	Web browser
Binary and ASCII comms protocols	

Services

Air consumption	No air required for standard direct apply labelling
Power supply	90 - 260VAC (115W at 50 packs per minute)
Operating temperature	5° - 40°
Weight	40kg (max, including ribbon and labels)
Regulatory approvals	CE, TUV

Dimensions

Top

Right

Front

313.80mm (12.35")
CONNECTORS 12.95 mm (0.51") MIN

587.50mm (23.13")
118.00mm (4.65") MAX
89.00mm (3.50")

726.05mm (28.59")
92.97mm (3.66")
672.64mm (26.48")

VULCAN

Intelligent Motion™

Print and Apply Labeller with Intelligent Motion™

The Vulcan marks the arrival of a new era in print and apply labelling to meet the increasing demands of the packaging industry.

A leap forward in technological innovation, offering simplicity and reliability, the Vulcan accelerates packaging speeds and delivers a fast payback on investment.

PRINT UP TO 150 PPM FOR TYPICAL 4" X 6" LABELS

Up to 3 times faster than traditional labellers, with no missed packs!

Intelligent Motion™ technology enables precise, automatic control of components eliminating the parts and adjustments that cause everyday operational problems.

Solid state ribbon drive

› Unique to ICE machines, the clutchless solid state ribbon drive ensures precise and consistent ribbon tension, ribbon save and effortless ribbon changeover, delivering performance and reliability that is unmatched in the industry.

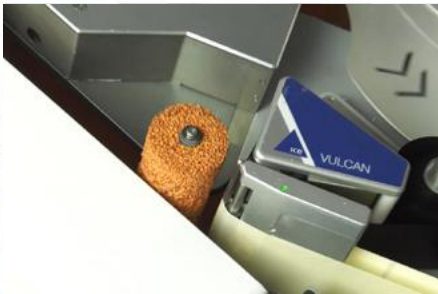### Faster print speeds permit direct application with no missed packs

› Offering simplicity and reliability, print and apply labelling will no longer be the slowest part of the packaging line.

› Up to three times faster print speeds and no missed packs, even when packs are very closely spaced.

› The first of its kind to print and directly apply labels in one continuous action.

› No tamp applicator or compressed air required, saving costs and potential downtime from maintenance associated with these components.

Intelligent Motion™ technology removes the pitfalls of the friction drive

› More than 80% of wear parts removed, reducing constant ongoing maintenance requirements.

› Electronic label supply reel automatically adjusts and maintains tension, irrespective of speed and label size from start to end of reel.

› No creasing or label dropping and no chance for labels or fingers to become trapped in the system.

Printhead pressure electronically regulated for optimum print quality

› The solid state printhead mechanism, a unique feature for thermal label printers, allows the force of the printhead to be electronically regulated to enhance performance, print quality and extend printhead life.

› Tool-free quick and easy printhead replacement taking less than a minute to enable fast changeover and maximum efficiency.

Labelling for secondary packaging

› Prints on traded unit boxes and shrinkwrap packs.

› Labels can be applied on any side of a pack or wraparound.

› Paper labels - either thermal transfer or direct thermal.

› Suitable for all industries.

› Compact design and small footprint with simple integration in to existing packaging line.

VULCAN

Intelligent Motion™

What makes it unique?

Intelligent Motion™ technology precisely and automatically controls the entire system - no slipping, clutch, nip rollers or manual adjustments.
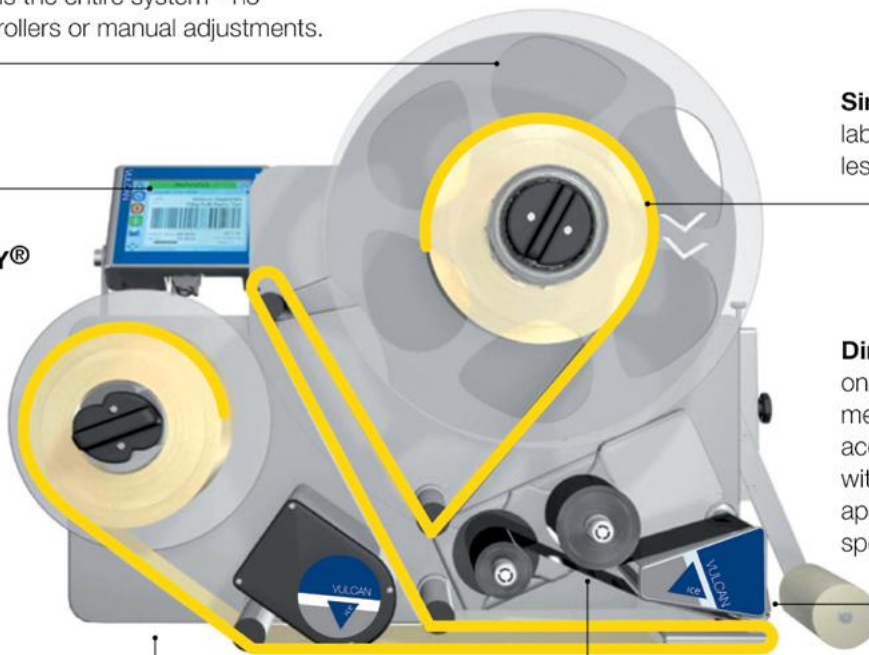
Simple web path enables label and ribbon change in less than 60 seconds.

Single, intuitive and error-proof **CLARiTY®** touchscreen interface provides step-by-step guidance or job set up.

Direct apply is a unique on-demand labelling method that allows accurate label placement without the need for an applicator - even at high speeds.

Electronic label supply reel automatically adjusts and maintains tension irrespective of speed and label size from start to end of reel.

Proven TTO **clutchless ribbon drive** delivers automatic ribbon save as standard.

Committed to putting our customers first

We are proud to be recognised in the industry for the excellent customer care and high level of service we provide. We are dedicated to helping our customers achieve optimum efficiency by providing rapid and effective technical assistance from our team of engineers.

A closer look at CLARiTY™
Coder Operating System

CLARiTY™ ensures secure, streamlined management of data, minimising downtime and protecting brand integrity.

> Unique date calculation manager to configure offset dates, avoidance date rules and controlled concessions.

> Windows TrueType fonts for flexible label design.

> Intuitive high-resolution graphical user interface with icon based controls, WYSIWYG image display and colour touchscreen.

> Multiple language functionality.

> Limited operator intervention required minimises risk of errors with sell-by dates, traceability codes, product variety and country of origin.

> Transfer of data and images via a USB port.

> On-board videos guide operators through routine maintenance and operator tasks.

> USB scanpoint feature allows job selection via barcode scanning with no operator intervention and no human error.

> Parent/child to control multiple printers from a single screen.

> Network capability for plant-wide solutions when used with CLARiNET® package coding network control software.

> Allows precise synchronisation and integration with weighing systems.

> The patented generic file structure of CLARiTY™ ensures future compatibility with your choice of coder technology.

> Web browser to allow seamless OEM integration and remote diagnostics.

> Real time view of the performance of all ICE printers in the factory.