Printer

Application method	Direct Apply
Print technology	Thermal transfer printing with Intelligent Motion™ ribbon drive and direct thermal
Printhead replacement	Tool free quick release printhead replacement
Print speed	Up to 500mm/sec
Throughput	Up to 100 pallets per hour, dependent on line speed and positioning
Print resolution	300dpi/200dpi emulation mode

Ribbon

Ribbon width	Up to 162mm
Ribbon length	Up to 500m, including automatic ribbon save (<1mm ribbon gap between successive prints irrespective of label size or speed)

Label

Media type	Thermal transfer or direct thermal paper labels
Width	Up to 160mm (148mm for A5 labels)
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 fonts (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
Formats for shift coding	Auto increment/decrementing text, counters and barcodes
Mirror image printing, image rotation	Multiple graphic formats supported (up to maximum print area)
Basic shape drawing	400MB on-board label database, sufficient for 25,000 typical GS1 barcode label designs
Barcodes EAN8, EAN13, UPC-A, UPC-E, CODE 39, CODE128, EAN128, GS1 DataBar (including 2D composite), DataMatrix, QR, PDF417	

Communications

Compatible with CLARiSUITE™	Binary and ASCII comms protocols
Compatible with any label design software which support 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

Power supply	90-260VAC (115W at 50 packs per minute)
Operating temperature	5°C - 40°C
Weight	350kg (max, including ribbon and labels)

Regulatory approvals

	CE Mark UKCA