

ZODIACES

Solid State Coder



Ice

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Designed and developed in Nottinghamshire, UK, the Zodiac range of thermal transfer coders continue to be a global leader in their class.

Using innovative technology and software, the printer delivers versatile, reliable and accurate coding for flexible packaging. The ICE brand forms part of the largest coding company in the world, yet offers an experienced, personal approach.



1200M RIBBON

Up to 9,000 more prints per ribbon and over 20 fewer line stops per year!*

*based on comparison to competitive 1,100m ribbon length; ZodiacES productivity benefits will be even greater versus shorter competitive ribbon

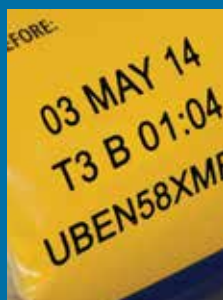
Specialists in overprinting on a range of flexible packaging.

Vertical form, fill and seal machines:



- › Snacks
- › Nuts/grains
- › Confectionary
- › Powders
- › Hardware
- › Frozen food
- › Vegetables

Horizontal form, fill and seal machines:



- › Bakery products (bread, biscuits, cakes)
- › Confectionary

Thermoform and tray-sealing machines:



- › Berry fruits
- › Seafood
- › Cheese
- › Processed meats
- › Red meats
- › Pharmaceutical products

The industry standard in thermal transfer coding

Solid State ribbon drive: Reliability with the lowest cost of ownership

- › Simplest ribbon cassette design in the industry.
- › 1200m ribbon capacity.
- › Consistent ribbon tension.
- › Effortless ribbon changeover.
- › No clutch, brakes or wear parts therefore minimal maintenance and no degradation of performance for the whole life of the coder.
- › Several unique ribbon save modes ensure efficient use of consumables, with typically less than 0.5mm of waste ribbon between prints.

Maximum printing flexibility in one machine

- › One printer for intermittent or continuous mode, satisfying all applications.
- › Left or right hand operation.
- › Performs at both very high and very low speed operation using precise ribbon tension control.
- › Custom made brackets to fit any production line.

Intelligent and intuitive interface

- › Easy to learn, quick and error free icon based controls and WYSIWYG image display with the CLARiTY™ coder operating system.
- › On-board application qualification and technical diagnostics ensure precise set-up and maximum uptime.
- › Printer cloning, master/slave mode and several methods of connectivity ensure security of data being coded.



A closer look at CLARiTY® Coder Operating System

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



REDUCE...

- › **Rework** by eliminating coding errors.
- › **Risk** by delivering accurate legible codes.
- › **Recalls** by consistent coding with traceability.
- › Unique date calculation manager to configure offset dates, avoidance date rules and controlled concessions.
- › Windows TrueType fonts for flexible label design.
- › Multiple language functionality.
- › Intuitive high-resolution graphical user interface with icon based controls, WYSIWYG image display and colour touchscreen.
- › Limited operator intervention required minimises risk of errors with sell-by dates, traceability codes, product variety and country of origin.
- › USB software and image input.
- › Real time view of the performance of all ICE printers in the factory.
- › USB scanpoint feature allows job selection via barcode scanning with no operator intervention and no human error.
- › Master/slave to control multiple printers from a single screen.
- › Network capability for plant-wide solutions when used with CLARiNET® package coding network control software.
- › The patented generic file structure of CLARiTY ensures future compatibility with your choice of coder technology.



Performance

Printer	Zodiac ES (32mm)
Unique solid state ribbon drive - Intermittent and continuous modes	-
Printhead	32mm, 300dpi, 12dots/mm
Print area - Intermittent motion mode	32mm (W) x 75mm (L)
Print area - Continuous motion mode	32mm (W) x 204.5mm (L)
Ribbon width	20mm - 55mm
Maximum ribbon length	1200 metres
Print speed - Intermittent motion mode	50mm/sec - 650mm/sec*
Print speed - Continuous motion mode	0mm/sec - 650mm/sec*
High throughput mode, standard by software	-
Nominal ribbon waste between successive prints	0.5mm
* Print speeds and throughput are resolution, substrate, application and set-up dependent	

General

8.4" TFT SVGA (800 x 600) 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
Clutchless bi-directional ribbon drive	Off-line set up and parameter storage
Simple ribbon webbing	Multiple operator languages
3 levels of password protection	Job selection and database support as standard
Ribbon saving features - radial ribbon save, interleaved ribbon save, intermittent ribbon save	

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
Field orientation 0°, 90°, 180° and 270°	Basic shape drawing
Mirror image printing, image rotation	User configurable drop-down list fields
Barcodes EAN 8, EAN 13, UPC-A, UPC-E, Code 39, EAN128, Code 128, ITF, RSS (including 2D composite codes)	128Mb message store memory

Connectivity

External inputs (fully software configurable)	3 x PNP inputs
External outputs	2 x relay outputs and 2 x PNP +24V outputs
RS232	Ethernet
Binary and ASCII comms protocols and Windows drivers	USB memory stick support
CLARiNET® coder independent network management software	Host PC Mode (remote database) using CLARiNET®
Master/slave unit - link up to four coders to a single controller and user interface	Server unit - fully integrate user interface into packaging machinery

Services

Air supply	6 Bar, 90psi, uncontaminated - 1.0ml/cycle (max.)
Power supply	90 - 264V
Operating temperature	5° - 40°

Regulatory approvals

MET N RTL

CE mark

FCC

Printer Dimensions

