Thermal Transfer Overprinting

Zodiac Kestrel

ice

Improve print quality on flexible packaging materials, and significantly reduce coding errors with ICE Thermal Transfer Overprinting (TTO) technology.

Introducing the Zodiac Kestrel Thermal Transfer Overprinter

The Zodiac Kestrel is part of the ICE TTO family which have been designed to increase your productivity. The Zodiac Kestrel utilises the latest technology to help reduce flexible packaging coding errors, and improve Total Cost of Ownership (TCO) through a proven and cost-effective solution.

The Zodiac Kestrel printer is easy to use, featuring an intuitive colour touchscreen controller and one-touch WYSIWYG job selection functionality.

The simple cassette design can hold 700m of ribbon to allow for longer runs, and offers a safer and easier way to replenish ribbon, with minimal impact to your production.

Code quality assurance comes as standard in the Zodiac Kestrel printer when using templates created by CLARiSOFT™. This simple code creation tool helps reduce operator interactions resulting in fewer user errors and unnecessary product waste and rework.

Avoid mis-printed codes, that commonly occur when using hot stamping or other less sophisticated TTO technology, and reduce operator interaction with pre-defined options.

Available with Bluetooth® connectivity*, the Zodiac Kestrel can also be controlled from an Android** device, simplifying operator interaction with the printer and production line.

The Zodiac Kestrel delivers a solution today, for the demands of tomorrow.

* A Bluetooth USB Adapter is required when using the Zodiac Kestrel App. The Zodiac Kestrel printer is warranted to work with the recommended ICE Bluetooth USB Adapter only.
** The Zodiac Kestrel App supports Android OS, Version 4.4.4 (KitKat) or higher. The Android phone is required to allow Bluetooth tethering when using the Zodiac Kestrel App.

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Zodiac Kestrel
Simple usability
enabled with code quality
assurance technology

Simple usability

- Simple change ribbon cassette, with pushbutton lock mechanism, allows for fast and easy ribbon replacement

- Intuitive tablet-like 5'' touchscreen controller with CLARiTY™ interface used in other ICE technologies
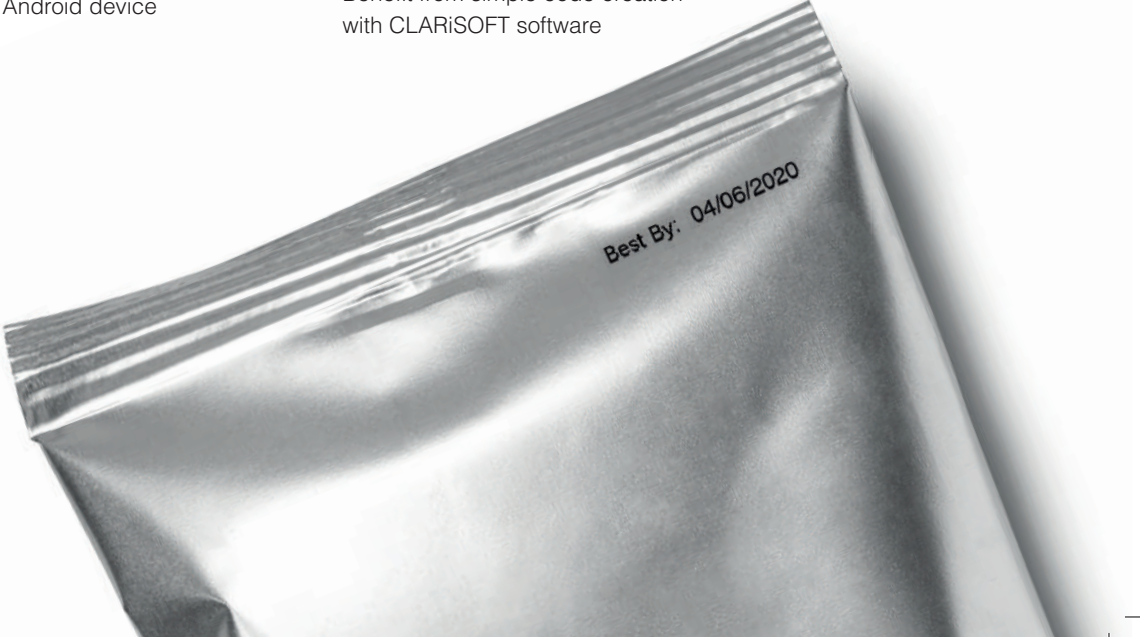
Built-in productivity

- Precise ribbon control with bidirectional stepper motors minimises gaps between codes and reduces ribbon wastage

- 700m ribbon length requires fewer ribbon changes versus hot stamp or other competitive TTO systems

- Simple ribbon path that ensures fast changeovers and a more efficient operation

- Bluetooth® connectivity allows operator to control printer from an Android device

Fits your unique production needs

- Airless operation removes the need for plant air

- Offers high-quality codes up to speeds of 150 packs / minute

- Single design printhead for intermittent or continuous printing

- Compact design easily integrates into most production lines

Code quality assurance

- WYSIWYG print preview allows operators to confirm the correct code is selected

- Built-in code quality assurance software helps to reduce operator-induced errors, decreasing unnecessary product waste and rework

- Real-time clock stamp avoids date errors

- Benefit from simple code creation with CLARiSOFT software

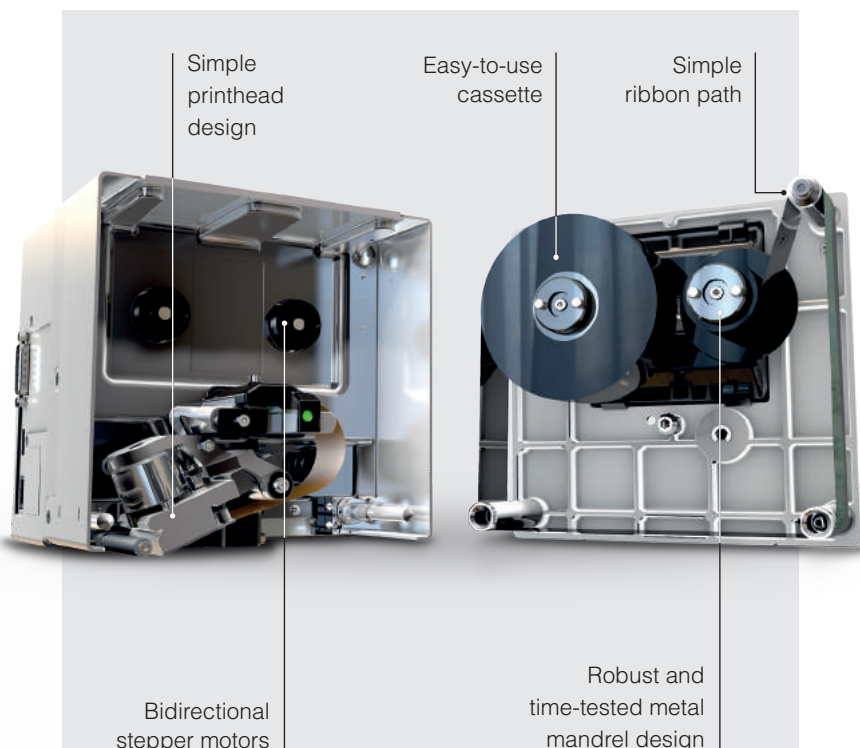Best By: 04/06/2020

Virtually error proof operation

Inventive design

The Zodiac Kestrel easily integrates into most production lines, and is designed to withstand typical production line environments.

The airless printer design offers the following benefits:

- Eliminate the need for compressed air

- Fewer wear parts through elimination of air hoses and connectors

- Consistent code quality through more precise printhead control

- Avoid the risk of operators over-adjusting conventional air settings

Simple printhead design

Easy-to-use cassette

Simple ribbon path

Bidirectional stepper motors

Robust and time-tested metal mandrel design

Easy maintenance

- Fewer wear parts are fast and easy to change, helping to ensure production is up and running as quickly as possible

- Printhead is simple to replace and requires no additional operator intervention to return to printing functionality
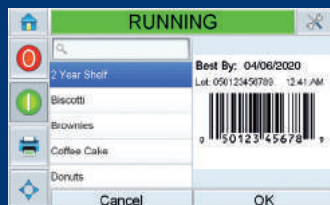
Code with confidence

Code quality assurance on the Zodiac Kestrel printer is enabled with templates created in CLARiSOFT or CLARiSUITE™
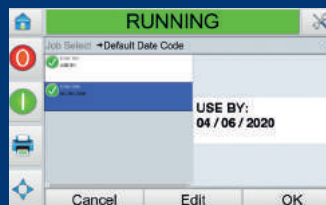
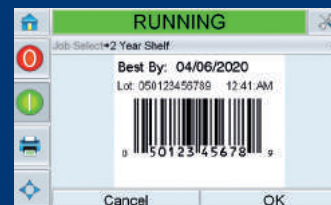## Code quality assurance

1 Full view of selected code (WYSIWYG)

2 Controlled operator input to avoid mistakes

3 Real-time clock stamp

Advanced Control

The Zodiac Kestrel printer is available with Bluetooth®
capability, allowing printer control via the Zodiac Kestrel
App on an Android device, rather than a HMI.

Performance features

Mobile device can
act as GUI, instead of
dedicated controller

Phone can be used as a
'memory stick' to transfer jobs
to the Zodiac Kestrel printer

Phone can select a job
from a barcode, reducing
further risk of human error

Zodiac Kestrel
Thermal Transfer Overprinting

Printhead
32mm, 200 dpi (8 dots/min)

Print Area
Continuous mode: Max. 32mm x 100mm (1.26" x 3.93")
Intermittent mode: Max. 32mm x 47mm (1.26" x 1.85")

Printing Modes
Continuous & Intermittent modes in the same machine

Print Speed
Intermittent: 50mm/sec. to 300mm/sec. (2.0"/sec to 11.8"/sec)
Continuous: 40mm/sec. to 500mm/sec. (1.6"/sec to 19.7"/sec)

Operator Interface
5.0" Colour QVGA CSTN LCD and touch screen (800 x 480 pixels)
WYSIWYG print preview
On-board diagnostics
3 levels of password protection
Multiple language support

Ribbon Drive
Solid-state, clutchless bidirectional ribbon drive, including
- Ribbon break detection
- End of reel detection
- Ribbon consumption indication
- Ribbon Saving Mode: Radial

Printing Capabilities
Full downloadable font support using Windows® TrueType® fonts
Fixed and variable text and numeric data
User entered text and numeric data (including Chinese)
Flexible date / time formats (based on internal real time clock)
Auto best before date calculations
Flexible shift code formats

Bar Codes
EAN8, EAN13, UPCA, UPCE and QR codes

Ribbon Length
700 meters (766 yds.) maximum, available in variety of grades and colours

Ribbon Widths
0.8" (20mm) min, 1.3" (33mm) max

Image Management
Design
    CLARiSOFT™ CLARiSUITE™
Storage
    Internal memory 30 MB, expandable to 4GB
Message upload
    USB memory stick
    Ethernet
    RS232
    Zodiac Kestrel App* via Bluetooth**

Network Management Software
CLARiNET™

Remote Coder Configuration Software
CLARiTY™ Configuration Manager (included)

External Communications
USB memory stick, ethernet, RS232, ASCII and binary communications

External Inputs
Print Go
Inhibit Print
Encoder (single phase or quadrature)

External Outputs
Fault
Warning
Busy
Printing

Standard installation options
master/slave configuration
Up to four Zodiac Kestrel printers controlled via
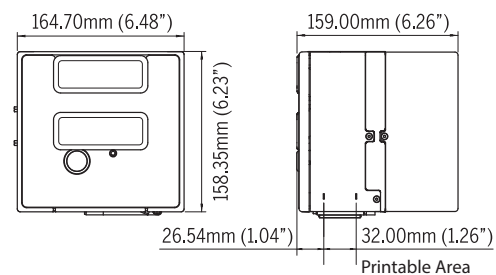a single CLARiTY™ control unit

Power Supply
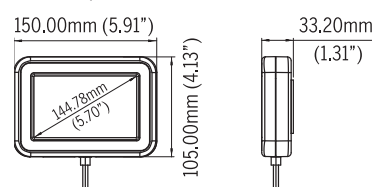100-240 VAC, 50/60Hz, 24V (120W) 5A

Operating Temperature
32°-104°F (0°- 40° C)

Printer body

164.70mm (6.48") 159.00mm (6.26")
158.35mm (6.23")
26.54mm (1.04") 32.00mm (1.26")
Printable Area

Control panel

150.00mm (5.91") 33.20mm (1.31")
144.78mm (5.70")
105.00mm (4.13")

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