Kestrel.

Thermal Transfer Overprinting.

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

The Kestrel is part of the ICE TTO family which have been designed to increase your productivity. The 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 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 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 Kestrel can also be controlled from an Android** device, simplifying operator interaction with the printer and production line.

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

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

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

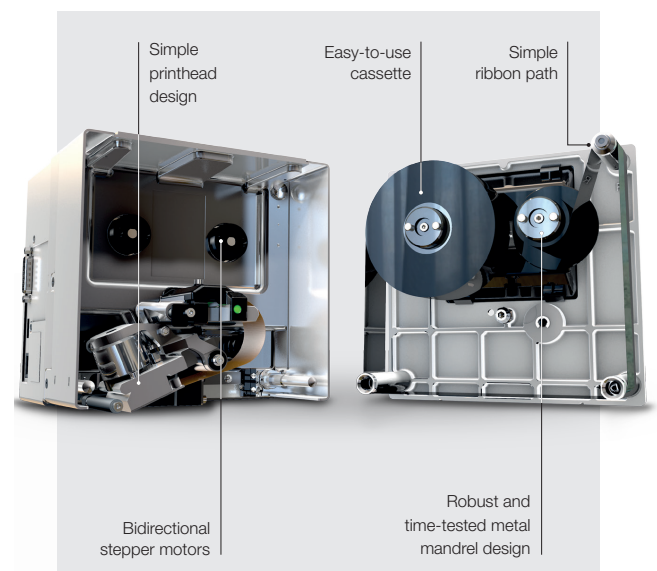### Fits your unique production needs

- 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 duce operator-induced errors, decreasing unnecessary product waste and rework
- Real-time clock stamp avoids date errors
- Benefit from simple code creation with CLARiSOFT software

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

Simple printhead design

Easy-to-use cassette

Simple ribbon path

Bidirectional stepper motors

Robust and time-tested metal mandrel design

Virtually error proof operation.

Inventive design

The 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

ELMOPRINT®
Print & labelling

Kestrel.

Thermal Transfer Overprinting.

Code with confidence

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

Advanced Control

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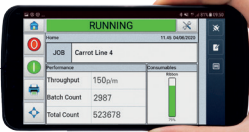

Performance features

Code quality assurance

1 Full view of selected code (WYSIWYG)

2 Controlled operator input to avoid mistakes

3 Real-time clock stamp

Mobile device can act as GUI, instead of dedicated controller

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

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

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Technical specifications.

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 Lenght
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 4 GB
Message upload
　USB memory stick
　Ethernet
　RS232
　Kestrel App* via Bluetooth**

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**A Bluetooth USB Adapter is required when using the Kestrel App. The Kestrel printer is warranted to work with the recommended ICE Bluetooth USB Adapter only.

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/follower configuration
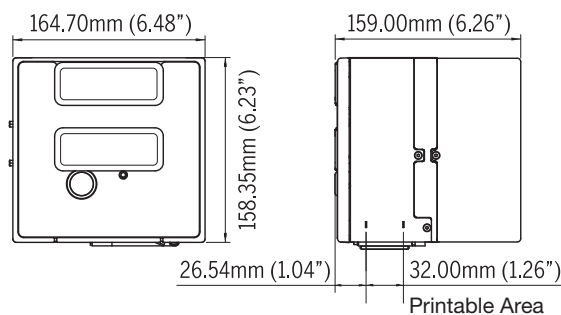Up to four Kestrel printers controlled via a single CLARiTY™ control unit

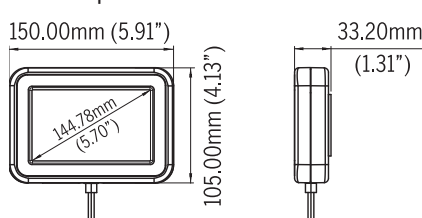**Power Supply**
100-240 VAC, 50/60Hz, 24V (120W) 5A

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")

CERTIFIED
ISO 9001
DOCUMENTED QUALITY
CE
TÜV SÜD