Coding and Marking Solutions

Large area printer guide

- Reduces waste
- High-resolution
- Increased efficiency
- Cost-effective
Contents

Outer case coding 1

Benefits of direct printing 1

Seiko PP108 3

Seiko PP108 Bi-colour 3

Seiko X72 4

Primary packaging 5

Integra PP Razr 34 6

Print examples 7

Support & aftercare | TopMarks samples service 8

Cut out labels, print direct.
Large area printing for

**Outer case coding**

*Print directly to the box, removing the need for a label*

Large area printers can be easily integrated into production lines, allowing for information previously carried on a label to be printed directly to the box. This eliminates the need for label applicators; increasing efficiency, reducing waste and aiding recyclability of the boxes. Providing an overall reduction in cost of ownership.

The large area printers provide a clear and concise print image, easily read by a range of scanners, from large industrial, to phone based apps. Allowing for complete traceability throughout the supply chain.

**Ideal for printing:**

- Logos and graphics
- 1D and 2D barcodes
- Batch and date codes
- Product information

**Benefits of direct printing**

- **Reduces waste**
  - Only print stock you need, when you need it.
  - Reduces human errors and waste associated with labelling.

- **Operator-friendly**
  - Little operator intervention needed. User friendly interfaces and software for easy format creation and printer control.

- **Increased efficiency**
  - Streamline outer case printing processes. Low maintenance systems reduce downtime. New box variants can be produced instantly.

- **Cost-effective**
  - Reduce costs associated with thermal transfer and labelling by printing direct to outer cases.

“The simplicity of the units has been the key point, and the ease of integration made it possible to move and run in everyday production. When we recently moved to our new premises, it was made easy due to the simplicity of the framework that allowed us to quickly continue production.”
Rotech Seiko PP108

Versatile piezo print system, ideal for printing at high-speeds.

With a maximum print height of 108mm the Seiko PP108 has the largest print area of the printers in our range. Whether a paragraph of fine text or a large logo is required, the PP108 utilises the latest advances in printing technology, producing crystal clear, line-free prints at high speeds.

Automatic pressurisation adjustment allows the print head to be placed in many ways to meet unique applications. This also allows it to be easily integrated into existing lines.

Key benefits

• Lightning fast print speeds of up to 600m/min
• Superb print quality at 360 dpi and grey-scale printing capabilities
• Easy start-up and shut-down procedures
• Mineral oil-free ink – prevents contamination of the packaging and the environment.

Seiko PP108 Bi-colour

The PP108 bi-colour prints black and red up to 108mm high on porous substrates, such as paper, card and timber. It is an ideal solution for printing graphics, including hazard symbols and logos but is also well-suited for alphanumeric text.

Rotech Seiko X72

Maintenance-free printer, ideal for large area printing up to 72mm

This innovative printer and its performance is completely unaffected by its surrounding environment, no matter how harsh or abruptly changing. It has no start up or shut down procedure.

The X72’s ink tank utilises gravity and is directly connected to the printhead, removing the need for expensive, moving parts and servicing.

Key benefits

• No moving parts, meaning less breakdowns and downtime
• Easily compatible with most format design/ ERP systems. Industry 4.0 ready.
• Capable of printing high-quality, verifiable barcodes, including 2D/QR Codes.
• Mineral oil-free ink – prevents contamination of the packaging and the environment.

“...proved itself very quickly - zero downtime, was easy to use and accommodated all our print data requirements. Our savings based on direct box printing versus label print and apply are more than £3.5K per year, per unit.”

WESTLAND HORTICULTURE

SPECIFICATIONS

Seiko PP108

| Max print height | 108 mm |
| Max production speed | 600 m/min |
| Max print resolution | 360 dpi vertically |
| Ink tank capacity | 700ml |
| Printhead dimensions (L x W x H) | 240 x 195 x 110 mm |
| Controller dimensions (L x W x H) | 142 x 95 x 185 mm |

SPECIFICATIONS

Seiko PP108

| Max print height | 72 mm |
| Max production speed | 45 m/min |
| Max print resolution | 180 dpi vertically |
| Ink tank capacity | 400ml |
| Printhead dimensions (L x W x H) | 480 x 190 x 322 mm |
| Controller dimensions (L x W x H) | 153 x 258 x 203 mm |
Large area printers can also be utilised for printing onto primary packaging, either on or away from the production line. Typical applications include: printing entire ingredients declarations or large barcodes.

Applications:
- Flow wrap and film
- Bags and pouches
- Coated cartons
- Blister packs

**Primary packaging**

Large area printers can also be utilised for printing onto primary packaging, either on or away from the production line. Typical applications include: printing entire ingredients declarations or large barcodes.

**Rotech Integra PP Razr 34**

Impressive speed in combination with sharp resolution on porous and non-porous substrates.

The Integra PP Razr 34 can print sharp text, barcodes and graphics, on both porous and non-porous packaging materials at high speeds.

Printing seamlessly on areas up to 34mm high, the Piezo system eliminates the need to stitch multiple printheads together, making it ideal for applications where thermal transfer would traditionally have been used. It is also ideal for replacing labelers by producing a durable, clear print directly onto the product.

The compact printer can be easily placed into your production line to work alongside existing equipment. It starts up and shuts down instantaneously and the bleeding of the ink system and changing of the cartridge can be done without stopping production. Minimizing downtime.

The Razr is truly revolutionary in the world of industrial printing and is sure to be popular among manufacturers looking to improve their efficiency and reduce their waste.

**Applications:**

- Flow wrap and film
- Bags and pouches
- Coated cartons
- Blister packs

**High-resolution**

Razor sharp, durable prints from 1mm true-type fonts to large barcodes & graphics at 600 dpi.

**Operator-friendly**

Monitor & control the Razr using intuitive iDesign software. Compatible HMI Vivid touch-screen available.

**Increased efficiency**

Continuous running even during cartridge changes. Non-stop printing at speeds of up to 150m/min.

**Cost-effective**

Reduce costs associated with thermal transfer and labelling by printing direct to the packaging.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Integra PP Razr 34</th>
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<tr>
<td>Max print height</td>
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<tr>
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<tr>
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“To sum up the Razr in four words - best of both worlds. You’re getting the adhesion of a non-porous TJI ink with the print height of a large area printer.”
Print examples

Rotech ready meal
Box number: 1 of 5
From
1 Brownfields Court,
Welwyn Garden City
Hertfordshire
AL7 1AJ
To
Food Supermarket,
London
UK
Best before: 13 November
Quantity: 25

Quantity - x25 per box
Rotech ready meal
Tomatoes (60%), Tomato Purée, Garlic Purée, Basil (2.5%), Rapeseed Oil, Sugar, Sea Salt, Concentrated Lemon Juice, Extra Virgin Olive Oil, Dried Basil, Ground Black Pepper
Allergy information: May contain nuts
Storage instructions
Store in a cool, dry place. Once opened, keep refrigerated.

Best Before
13 NOV
Batch number
RM0125

Rotech ready meal
Ingredients
Tomatoes (60%), Tomato Purée, Garlic Purée, Basil (2.5%), Rapeseed Oil, Sugar, Sea Salt, Concentrated Lemon Juice, Extra Virgin Olive Oil, Dried Basil, Ground Black Pepper
Allergy information: May contain nuts
Storage instructions
Store in a cool, dry place. Once opened, keep refrigerated.

Best Before
13 NOV
Batch number
RM0125

You’re in safe hands

TopMarks samples service
Our TopMarks service allows you to witness the quality of our equipment for coding your own products, prior to making any commitments. You can be confident that you will be investing in the very best solution for your application.

All you have to do is send us your samples, along with your requirements and our experts will run them on our printers. Your printed samples will then be returned to you, along with a video of them running so you can witness the process for yourself – all within a week.

Unrivalled aftercare
When you invest in a Rotech solution, you unlock a wealth of aftercare services.

All our engineers are experts in large area printing and UK-based. This means that the support you receive is top-notch, and right on your doorstep!

We will continue to assist you, even after installation of the system. We endeavour to keep your lines running smoothly, while delivering the best possible customer service.

Years of industry experience
190+

Number of customers
700+

Providing solutions since
1997