

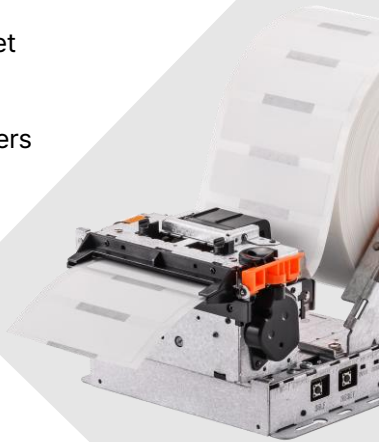
# Kiosk Printer Series

Meeting customer demands for Stand-alone Kiosk



# Kiosk Printers

BIXOLON's portfolio of 2 and 3-inch open frame, next generation Receipt and Ticket kiosk printing mechanisms are designed for standalone self-service kiosk installations for a range of applications. These compact, low profile, highly reliable kiosk mechanisms with flexible mountings and options such as bezels and presenters are the ideal solution to create a truly unique packed kiosk system.



## BK5-31 3-inch Kiosk Label Printer

Highly compatible with diverse media types

- Tickets, coupons, labels and wristbands printing
- Supports media thickness up to 0.20 mm
- Versatile media support for various applications



## BK3-31 3-inch Kiosk Receipt Printer

Best choice for receipt printing

- Supporting a media roll diameter of up to 150 mm
- Options of bezel, presenter, and retractor
- Label for high-volume receipt printing



## BK3-32 3-inch Kiosk Receipt Printer

With large-diameter media rolls

- Large media roll support (up to 250 mm)
- Fewer roll changes, low maintenance
- Ideal for high-traffic unattended kiosks



## BK3-33 3-inch Kiosk Receipt Printers

Easy drop-in paper loading

- Easy drop-in paper loading
- Convenient media roll replacement
- Supports up to 83 mm roll diameter



## BK3-34 3-inch Kiosk Receipt Printer

Eco-friendly Receipting

- Blue Paper-optimized near-end sensor
- Eco-friendly printing for sustainability
- Supports up to 150 mm roll diameter



## BK3-21 2-inch Kiosk Receipt Printer

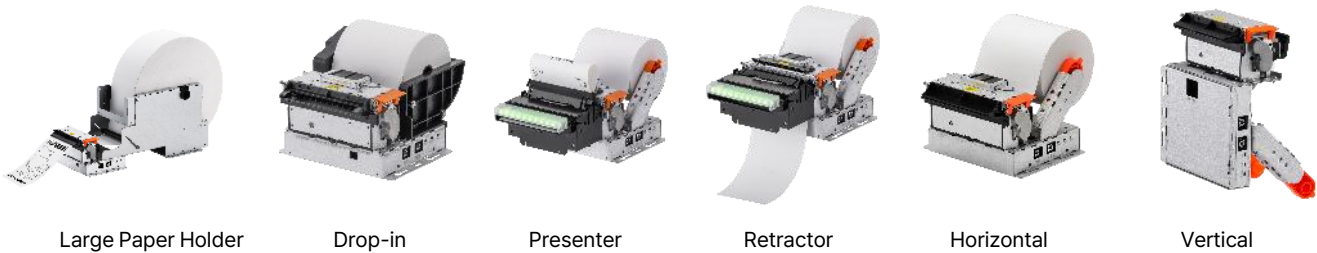
Small and reliable

- Prints tickets, receipts, and coupons
- Low-maintenance, unattended operation
- Reliable in extreme temperatures

# Comparison Table

| Series | Interface                                                                       | Voltage | Print Speed      | Supported Media | Media Alignment | Media Width         | Auto Paper Cutter | Paper Roll Diameter | Emulation |
|--------|---------------------------------------------------------------------------------|---------|------------------|-----------------|-----------------|---------------------|-------------------|---------------------|-----------|
| BK5-31 | USB V2.0 FS+ Serial                                                             | 24V     | Up to 150 mm/sec | Receipt/ Label  | Center          | 20/58/ 60/80/ 83 mm | Yes               | 130/150 mm          | BXL/ POS™ |
| BK3-31 | - Standard: USB V2.0 FS + Serial<br>- Optional: USB V2.0 FS + Serial + Ethernet |         | Up to 250 mm/sec | Receipt         | Left            |                     |                   | 80/102/ 120/150 mm  |           |
| BK3-32 |                                                                                 |         |                  |                 |                 |                     |                   | Up to 250 mm        |           |
| BK3-33 |                                                                                 |         |                  |                 |                 |                     |                   | Up to 83 mm         |           |
| BK3-34 |                                                                                 |         |                  |                 |                 |                     |                   | 80/102/ 120/150 mm  |           |
| BK3-21 | USB V2.0 FS+ Serial                                                             |         |                  |                 |                 | 20/58/ 60 mm        |                   | 80/102/ 120 mm      |           |

# Options



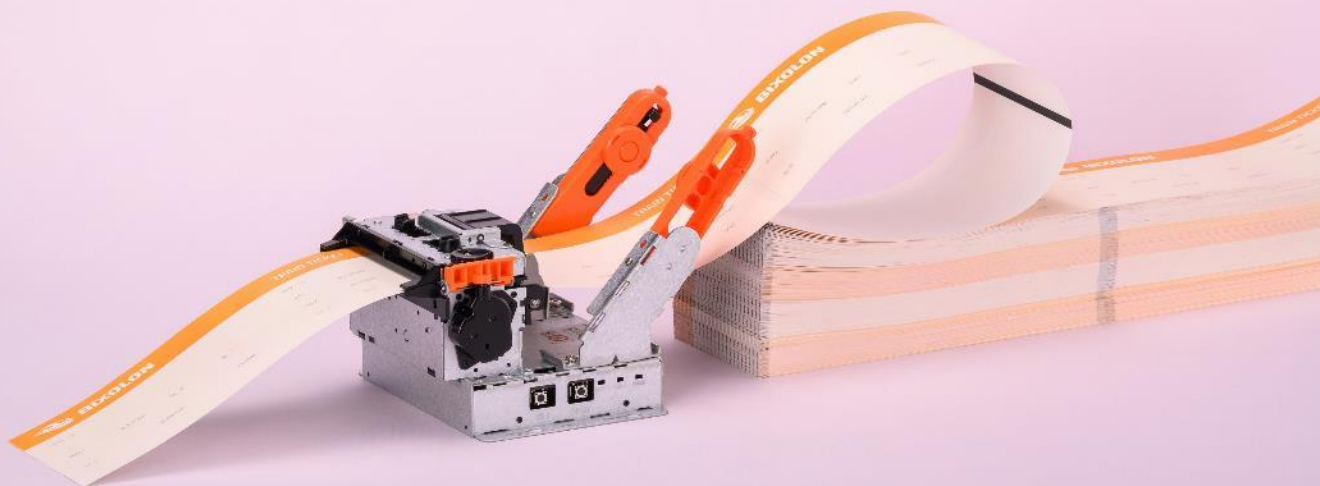
| Series | Paper Holding  |                   |         |                        | Type      |           | Open-Lever Position |      | Mounting   |          |
|--------|----------------|-------------------|---------|------------------------|-----------|-----------|---------------------|------|------------|----------|
|        | Holder Tension | Lage Paper Holder | Drop-in | Special Holder Tension | Presenter | Retractor | Right               | Left | Horizontal | Vertical |
| BK5-31 | ●              |                   |         |                        |           | ●         | ●                   |      | ●          |          |
| BK3-31 | ●              |                   |         |                        | ●         | ●         | ●                   | ●    | ●          | ●        |
| BK3-32 |                | ●                 |         |                        | ●         | ●         | ●                   |      |            |          |
| BK3-33 |                |                   | ●       |                        | ●         | ●         | ●                   |      |            |          |
| BK3-34 |                |                   |         | ●                      | ●         | ●         | ●                   | ●    | ●          | ●        |
| BK3-21 | ●              |                   |         |                        |           |           | ●                   |      | ●          | ●        |

# Specifications

| BK5-31                               |                            |                                                                                                                                                                                                                                                                      |
|--------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print Characteristics                |                            |                                                                                                                                                                                                                                                                      |
| Print Method                         |                            | Direct Thermal                                                                                                                                                                                                                                                       |
| Print Speed                          |                            | Up to 150 mm/sec                                                                                                                                                                                                                                                     |
| Print Resolution                     |                            | 203 dpi                                                                                                                                                                                                                                                              |
| Print Width                          |                            | 12/48/54/72/80 mm                                                                                                                                                                                                                                                    |
| Sensor                               |                            | Paper End, Cover Open, Near End, Black Mark, Gap Sensor                                                                                                                                                                                                              |
| Media Characteristics                |                            |                                                                                                                                                                                                                                                                      |
| Media Type                           |                            | Ticket, Label (Gap, Black Mark)                                                                                                                                                                                                                                      |
| Media Width                          |                            | 20/58/60/80/83 mm                                                                                                                                                                                                                                                    |
| Media Roll Diameter                  |                            | 130/150 mm                                                                                                                                                                                                                                                           |
| Media Thickness                      |                            | Width 80/83 mm: 0.1 to 0.15 mm<br>Width 20/58/60 mm: 0.1 to 0.20 mm                                                                                                                                                                                                  |
| Supply Method                        |                            | Easy Paper Loading                                                                                                                                                                                                                                                   |
| Physical Characteristics             |                            |                                                                                                                                                                                                                                                                      |
| Dimensions (W x L x H)               |                            | Φ130                                                                                                                                                                                                                                                                 |
|                                      |                            | Φ150                                                                                                                                                                                                                                                                 |
|                                      |                            | 130 x 181 x 123 mm                                                                                                                                                                                                                                                   |
|                                      |                            | 130 x 188 x 130 mm                                                                                                                                                                                                                                                   |
| Weight                               |                            | 780 g                                                                                                                                                                                                                                                                |
| Electrical                           |                            | 100-240 VAC, 50/60 Hz, 24V                                                                                                                                                                                                                                           |
| Lever Direction                      |                            | Right                                                                                                                                                                                                                                                                |
| Mount Direction                      |                            | Horizontal                                                                                                                                                                                                                                                           |
| Performance Characteristics          |                            |                                                                                                                                                                                                                                                                      |
| NV Image Memory                      |                            | 256 Kbytes (Mono)                                                                                                                                                                                                                                                    |
| Receive Buffer                       |                            | 64 Kbytes                                                                                                                                                                                                                                                            |
| User Define Buffer                   |                            | 12 Kbytes                                                                                                                                                                                                                                                            |
| Interface                            |                            | USB V2.0 FS + Serial                                                                                                                                                                                                                                                 |
| Connector Type                       | Power                      | DC-Jack or 2P Connector                                                                                                                                                                                                                                              |
|                                      | USB                        | USB B or 4P Connector                                                                                                                                                                                                                                                |
|                                      | Serial                     | 9P Male or 5P Connector                                                                                                                                                                                                                                              |
| Environment Characteristics          |                            |                                                                                                                                                                                                                                                                      |
| Temperature                          |                            | Operating: -20 to 60 °C (-4 to 140 °F)<br>* Optimal printing performances and maximum reliability will be obtained between 0 and 40 °C<br>Storage: -20 to 60 °C (-4 to 140 °F)                                                                                       |
| Humidity                             |                            | Operating: 10 to 95 % (non-condensing)<br>Storage: 10 to 95 % (non-condensing) excluding paper                                                                                                                                                                       |
| Software                             |                            |                                                                                                                                                                                                                                                                      |
| Emulation                            |                            | BXL/POS™                                                                                                                                                                                                                                                             |
| Driver/Utility                       |                            | Windows® Driver, OPOS Driver, Linux/Mac® CUPS Driver, Utility Program                                                                                                                                                                                                |
| Developer Tools                      |                            | Android SDK, Windows SDK, Linux SDK, Web Print SDK (Windows, Android)                                                                                                                                                                                                |
| Fonts/Graphics/Symbologies           |                            |                                                                                                                                                                                                                                                                      |
| Character Size                       |                            | Font A: 12×24 Font B: 9×17 Font C: 9×24<br>KOR, CHN, JPN: 24x24                                                                                                                                                                                                      |
| Characters Per Line                  |                            | Print width 12 mm: Font A: 8   Font B, C: 10, KOR, CHN, JPN: 4<br>Print width 48 mm: Font A: 32 Font B, C: 42, KOR, CHN, JPN: 16<br>Print width 54 mm: Font A: 36 Font B, C: 48, KOR, CHN, JPN: 18<br>Print width 72 mm: Font A: 48 Font B, C: 64, KOR, CHN, JPN: 24 |
| Character Sets                       |                            | Alphanumeric: 95<br>Extended Graphics: 128×35 page<br>International: 32                                                                                                                                                                                              |
| Graphics                             |                            | Supporting user-defined fonts, graphics, formats and logos                                                                                                                                                                                                           |
| Barcode Symbologies                  |                            | 1D: Coda Bar, Code 39, Code 93, Code 128, EAN-8, EAN-13, ITF, UPC-A, UPC-E<br>2D: Data Matrix, GS1-128, GS1 DataBar Stacked/Omnidirectional/Truncated/Limited/Expanded, PDF417, QR code                                                                              |
| Accessories/Supplies                 |                            |                                                                                                                                                                                                                                                                      |
| Accessories                          |                            | AC/DC Adapter (DC Jack), AC/DC Adapter (2P Connector), Male to Male type Serial Cable, 5P to Male type Serial Cable, USB A-B Cable 1.8 m, Power Cord                                                                                                                 |
| Options                              |                            |                                                                                                                                                                                                                                                                      |
| Bezel                                |                            | Non-Bezel, Standard-Bezel (4 types)                                                                                                                                                                                                                                  |
| Retractor (For ticket printing only) | Paper Stock Direction      | Upper                                                                                                                                                                                                                                                                |
|                                      | Media Width                | 58/60/80 mm                                                                                                                                                                                                                                                          |
|                                      | Media Thickness            | 0.10 to 0.15 mm                                                                                                                                                                                                                                                      |
|                                      | Media Length               | 70 to 350 mm                                                                                                                                                                                                                                                         |
|                                      | Ejection & Retractor Speed | Eject: Up to 150 mm/sec<br>Retractor: Up to 500 mm/sec                                                                                                                                                                                                               |
|                                      | Basic Movement             | Retraction, Continuous                                                                                                                                                                                                                                               |

# Specifications

|                               |                            | BK3-31 Series                                                                                                                                                                                                                                                      |                   |                    |                    | BK3-21                                                                                                                                                                                           |                   |                    |
|-------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| Print Characteristics         |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Print Method                  |                            | Direct Thermal                                                                                                                                                                                                                                                     |                   |                    |                    | Direct Thermal                                                                                                                                                                                   |                   |                    |
| Print Speed                   |                            | Up to 250 mm/sec                                                                                                                                                                                                                                                   |                   |                    |                    | Up to 250 mm/sec                                                                                                                                                                                 |                   |                    |
| Print Resolution              |                            | 203 dpi                                                                                                                                                                                                                                                            |                   |                    |                    | 203 dpi                                                                                                                                                                                          |                   |                    |
| Print Width                   |                            | 12/48/54/72 mm                                                                                                                                                                                                                                                     |                   |                    |                    | 12/48/54 mm                                                                                                                                                                                      |                   |                    |
| Sensor                        |                            | Paper End, Cover Open, Near End, Black Mark                                                                                                                                                                                                                        |                   |                    |                    | Paper End, Cover Open, Near End, Black Mark                                                                                                                                                      |                   |                    |
| Media Characteristics         |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Media Type                    |                            | Receipt                                                                                                                                                                                                                                                            |                   |                    |                    | Receipt                                                                                                                                                                                          |                   |                    |
| Media Width                   |                            | 20/58/60/80/83 mm                                                                                                                                                                                                                                                  |                   |                    |                    | 20/58/60 mm                                                                                                                                                                                      |                   |                    |
| Media Roll Diameter           |                            | BK3-31/34: 80/102/120/150 mm<br>BK3-32: Up to 250 mm<br>BK3-33: Up to 83 mm                                                                                                                                                                                        |                   |                    |                    | 80/102/120 mm                                                                                                                                                                                    |                   |                    |
| Media Thickness               |                            | 0.05 to 0.12 mm                                                                                                                                                                                                                                                    |                   |                    |                    | 0.05 to 0.12 mm                                                                                                                                                                                  |                   |                    |
| Supply Method                 |                            | Easy Paper Loading                                                                                                                                                                                                                                                 |                   |                    |                    | Easy Paper Loading                                                                                                                                                                               |                   |                    |
| Physical Characteristics      |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Dimensions (W x L x H)        |                            | BK3-31/34                                                                                                                                                                                                                                                          |                   |                    |                    | BK3-21                                                                                                                                                                                           |                   |                    |
|                               |                            | Φ80                                                                                                                                                                                                                                                                | Φ102              | Φ120               | Φ150               | Φ80                                                                                                                                                                                              | Φ102              | Φ120               |
|                               |                            | 130 x 130 x 91 mm                                                                                                                                                                                                                                                  | 130 x 137 x 99 mm | 130 x 144 x 105 mm | 130 x 160 x 105 mm | 109 x 130 x 91 mm                                                                                                                                                                                | 109 x 137 x 99 mm | 109 x 144 x 105 mm |
|                               |                            | BK3-31/34 (Vertical)                                                                                                                                                                                                                                               |                   |                    |                    | BK3-21 (Vertical)                                                                                                                                                                                |                   |                    |
|                               |                            | Φ80                                                                                                                                                                                                                                                                | Φ102              | Φ120               | Φ150               | Φ80                                                                                                                                                                                              | Φ102              | Φ120               |
|                               |                            | 130 x 159 x 91 mm                                                                                                                                                                                                                                                  | 130 x 167 x 99 mm | 130 x 173 x 105 mm | 130 x 189 x 105 mm | 109 x 160 x 91 mm                                                                                                                                                                                | 109 x 167 x 99 mm | 109 x 173 x 105 mm |
|                               |                            | BK3-32 Φ250: 130 x 339 x 145 mm<br>BK3-33 Φ83: 130 x 137 x 96 mm                                                                                                                                                                                                   |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Weight                        |                            | BK3-31/33/ 34: 700 g<br>BK3-32: 1,470 g                                                                                                                                                                                                                            |                   |                    |                    | 600 g                                                                                                                                                                                            |                   |                    |
| Electrical                    |                            | 100-240 VAC, 50/60 Hz, 24V                                                                                                                                                                                                                                         |                   |                    |                    | 100-240 VAC, 50/60 Hz, 24V                                                                                                                                                                       |                   |                    |
| Lever Direction               |                            | Left, Right                                                                                                                                                                                                                                                        |                   |                    |                    | Right                                                                                                                                                                                            |                   |                    |
| Mount Direction               |                            | BK3-31/34: Horizontal/Vertical<br>BK3-32/33: Horizontal                                                                                                                                                                                                            |                   |                    |                    | Horizontal/Vertical                                                                                                                                                                              |                   |                    |
| Performance Characteristics   |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| NV Image Memory               |                            | 256 Kbytes (Mono)                                                                                                                                                                                                                                                  |                   |                    |                    | 256 Kbytes (Mono)                                                                                                                                                                                |                   |                    |
| Receive Buffer                |                            | 64 Kbytes                                                                                                                                                                                                                                                          |                   |                    |                    | 64 Kbytes                                                                                                                                                                                        |                   |                    |
| User Define Buffer            |                            | 12 Kbytes                                                                                                                                                                                                                                                          |                   |                    |                    | 12 Kbytes                                                                                                                                                                                        |                   |                    |
| Interface                     |                            | Standard: USB V2.0 FS + Serial<br>Optional: USB V2.0 FS + Serial + Ethernet                                                                                                                                                                                        |                   |                    |                    | USB V2.0 FS+ Serial                                                                                                                                                                              |                   |                    |
| Connector Type                | Power                      | DC-Jack or 2P Connector                                                                                                                                                                                                                                            |                   |                    |                    | DC-Jack or 2P Connector                                                                                                                                                                          |                   |                    |
|                               | USB                        | USB B or 4P Connector                                                                                                                                                                                                                                              |                   |                    |                    | USB B type (Default)                                                                                                                                                                             |                   |                    |
|                               | Serial                     | 9P Male or 5P Connector                                                                                                                                                                                                                                            |                   |                    |                    | 9P Male or 5P Connector                                                                                                                                                                          |                   |                    |
| Environment Characteristics   |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Temperature                   |                            | Operating: -20 to 60 °C (-4 to 140 °F)<br>* Optimal printing performances and maximum reliability will be obtained between 0 and 40 °C<br>Storage: -20 to 60 °C (-4 to 140 °F)                                                                                     |                   |                    |                    | Operating: -20 to 60 °C (-4 to 140 °F)<br>* Optimal printing performances and maximum reliability will be obtained between 0 and 40 °C<br>Storage: -20 to 60 °C (-4 to 140 °F)                   |                   |                    |
| Humidity                      |                            | Operating: 10 to 95 % (non-condensing)<br>Storage: 10 to 95 % (non-condensing) excluding paper                                                                                                                                                                     |                   |                    |                    | Operating: 10 to 95 % (non-condensing)<br>Storage: 10 to 95 % (non-condensing) excluding paper                                                                                                   |                   |                    |
| Software                      |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Emulation                     |                            | BXL/POS™                                                                                                                                                                                                                                                           |                   |                    |                    | BXL/POS™                                                                                                                                                                                         |                   |                    |
| Driver/Utility                |                            | Windows Driver®, OPOS Driver, Linux/Mac® CUPS Driver, Utility Program, Network Auto Installer                                                                                                                                                                      |                   |                    |                    | Windows Driver®, OPOS Driver, Linux/Mac® CUPS Driver, Utility Program, Network Auto Installer                                                                                                    |                   |                    |
| Developer Tools               |                            | Android™ SDK, Windows SDK, Linux SDK                                                                                                                                                                                                                               |                   |                    |                    | Android™ SDK, Windows SDK, Linux SDK                                                                                                                                                             |                   |                    |
| Fonts/Graphics/Symbologies    |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Character Size                |                            | Font A: 12×24 Font B: 9×17 Font C: 9×24, KOR, CHN, JPN: 24x24                                                                                                                                                                                                      |                   |                    |                    | Font A: 12×24 Font B: 9×17 Font C: 9×24, KOR, CHN, JPN: 24x24                                                                                                                                    |                   |                    |
| Characters Per Line           |                            | Print width 12 mm: Font A: 8 Font B, C: 10, KOR, CHN, JPN: 4<br>Print width 48 mm: Font A: 32 Font B, C: 42, KOR, CHN, JPN: 16<br>Print width 54 mm: Font A: 36 Font B, C: 48, KOR, CHN, JPN: 18<br>Print width 72 mm: Font A: 48 Font B, C: 64, KOR, CHN, JPN: 24 |                   |                    |                    | Print width 12 mm: Font A: 8 Font B, C: 10, KOR, CHN, JPN: 4<br>Print width 48 mm: Font A: 32 Font B, C: 42, KOR, CHN, JPN: 16<br>Print width 54 mm: Font A: 36 Font B, C: 48, KOR, CHN, JPN: 18 |                   |                    |
| Character Sets                |                            | Alphanumeric: 95<br>Extended Graphics: 128×35 page<br>International: 32                                                                                                                                                                                            |                   |                    |                    | Alphanumeric: 95<br>Extended Graphics: 128×35 page<br>International: 32                                                                                                                          |                   |                    |
| Graphics                      |                            | Supporting user-defined fonts, graphics, formats and logos                                                                                                                                                                                                         |                   |                    |                    | Supporting user-defined fonts, graphics, formats and logos                                                                                                                                       |                   |                    |
| Barcode Symbologies           |                            | 1D: Coda Bar, Code 39, Code 93, Code 128, EAN-8, EAN-13, ITF, UPC-A, UPC-E<br>2D: Data Matrix, GS1-128, GS1 DataBar Stacked/Omnidirectional/Truncated/ Limited/Expanded, PDF417, QR code                                                                           |                   |                    |                    | 1D: Coda Bar, Code 39, Code 93, Code 128, EAN-8, EAN-13, ITF, UPC-A, UPC-E<br>2D: Data Matrix, GS1-128, GS1 DataBar Stacked/Omnidirectional/ Truncated/Limited/Expanded, PDF417, QR code         |                   |                    |
| Accessories/Supplies          |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Accessories                   |                            | AC/DC Adapter (DC Jack), AC/DC Adapter (2P Connector), Male to Male type Serial Cable, 5P to Male type Serial Cable<br>USB A-B Cable 1.8 m, Power Cord                                                                                                             |                   |                    |                    | AC/DC Adapter (DC Jack), AC/DC Adapter (2P Connector), Male to Male type Serial Cable, 5P to Male type Serial Cable, USB A-B Cable 1.8 m, Power Cord                                             |                   |                    |
| Options                       |                            |                                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Bezel                         |                            | Non-Bezel, Standard-Bezel (4 types), LED-Bezel (Green)                                                                                                                                                                                                             |                   |                    |                    | Non-Bezel, Standard-Bezel (4 types)                                                                                                                                                              |                   |                    |
| Presenter (LED-Bezel default) | Paper Stock Direction      | Upper                                                                                                                                                                                                                                                              |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Media Width                | 80 mm                                                                                                                                                                                                                                                              |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Media Thickness            | 0.05 to 0.10 mm                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Media Length               | 50 to 250 mm                                                                                                                                                                                                                                                       |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Ejection Speed             | Up to 250 mm/sec                                                                                                                                                                                                                                                   |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Retractor                     | Paper Stock Direction      | Upper                                                                                                                                                                                                                                                              |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Media Width                | 58/80 mm                                                                                                                                                                                                                                                           |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Media Thickness            | 0.05 to 0.10 mm                                                                                                                                                                                                                                                    |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Media Length               | 70 to 350 mm                                                                                                                                                                                                                                                       |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
|                               | Ejection & Retractor Speed | Up to 500 mm/sec                                                                                                                                                                                                                                                   |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |
| Basic Movement                |                            | Clamp, Retraction, Continuous                                                                                                                                                                                                                                      |                   |                    |                    |                                                                                                                                                                                                  |                   |                    |



# Product and Services Portfolio

| Applications              | BK5-31 | BK3-31 | BK3-32 | BK3-33 | BK3-34 | BK3-21 |
|---------------------------|--------|--------|--------|--------|--------|--------|
| Retail                    |        |        |        |        |        |        |
| Self Service and Kiosk    | ●      | ●      | ●      | ●      | ●      | ●      |
| Gas Station Receipting    |        | ●      | ●      | ●      |        | ●      |
| Food & Hospitality        |        |        |        |        |        |        |
| Customer Self Service     |        | ●      | ●      | ●      | ●      | ●      |
| Casino Voucher            | ●      |        |        |        |        |        |
| T&L                       |        |        |        |        |        |        |
| Transportation Ticketing  | ●      | ●      | ●      | ●      |        |        |
| Labelling at Pack station | ●      |        |        |        |        |        |
| Government                |        |        |        |        |        |        |
| Parking Management        | ●      | ●      | ●      | ●      |        | ●      |
| Queue Management          | ●      | ●      |        |        |        | ●      |