

# TSC

The Smarter Choice.



## TC SERIES – Desktop Thermal Transfer Bar Code Printer THE PERFECT FIT!



### KEY FEATURES

- Perfect size – space saving design
- Standard memory of 128 MB Flash, 64 MB SDRAM for TC210 and TC310
- SD card reader for memory expansion up to 32 GB standard for TC210, TC310
- High quality double-walled clamshell design
- Easy ribbon loading
- Easy media loading featuring center-biased spring loaded design
- Durability and reliability
- 2.3" color TFT Display for TC210 & TC310 only
- Multiple interfaces: USB 2.0, serial, \*parallel, \*\*USB host and Ethernet
  - \*Standard for TC200 and TC300, Option for TC210 & TC310
  - \*\* Standard for TC210 and TC310 only
- Powerful firmware: TSPL-EZ™, file manager, BASIC programming, stand-alone programming
- Cerner certified
- ENERGY STAR® qualified

### APPLICATIONS

- Point-Of-Sale
- Product Marking
- Receipt / Coupon Printing
- Compliance Labeling
- Asset Tracking
- Document Management
- Shipping / Receiving
- Specimen Labeling
- Inventory Control
- Patient Tracking

## TC SERIES – Desktop Thermal Transfer Bar Code Printer

| PRINTER MODEL                | TC200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TC210                                                                                                                                                                                                                                        | TC300                                                                                                                                                                               | TC310                                                                                                                                                                                                                                        |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution                   | 8 dots/mm (203 DPI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                              | 12 dots/mm (300 DPI)                                                                                                                                                                |                                                                                                                                                                                                                                              |
| Printing method              | Thermal Transfer & Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Max. print speed             | 152 mm (6")/second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              | 102 mm (4")/second                                                                                                                                                                  |                                                                                                                                                                                                                                              |
| Max. print width             | 108 mm (4.25")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                              | 105.6 mm (4.15")                                                                                                                                                                    |                                                                                                                                                                                                                                              |
| Max. print length            | 2,286 mm (90")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 25,400 mm (1,000")                                                                                                                                                                                                                           | 1,016 mm (40")                                                                                                                                                                      | 11,430 mm (450")                                                                                                                                                                                                                             |
| Enclosure                    | Double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Physical dimension           | 203 mm (W) x 191.5 mm (H) x 259.3 mm (D)<br>7.99" (W) x 7.54" (H) x 10.21" (D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Weight                       | 2.2 kg (4.85 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.3 kg (5.07 lbs)                                                                                                                                                                                                                            | 2.2 kg (4.85 lbs)                                                                                                                                                                   | 2.3 kg (5.07 lbs)                                                                                                                                                                                                                            |
| Label roll capacity          | 127 mm (5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Ribbon                       | 110 m long, max. OD 40 mm, 0.5" core (ink coated outside)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Ribbon width                 | 40 mm ~ 110 mm (1.57" ~ 4.33")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Processor                    | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Memory                       | <ul style="list-style-type: none"><li>• 4 MB Flash memory</li><li>• 8 MB SDRAM</li><li>• SD Flash memory card reader for Flash memory expansion, up to 4 GB</li></ul>                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"><li>• 128 MB Flash memory</li><li>• 64 MB SDRAM</li><li>• SD Flash memory card reader for Flash memory expansion, up to 32 GB</li></ul>                                                                    | <ul style="list-style-type: none"><li>• 4 MB Flash memory</li><li>• 8 MB SDRAM</li><li>• SD Flash memory card reader for Flash memory expansion, up to 4 GB</li></ul>               | <ul style="list-style-type: none"><li>• 128 MB Flash memory</li><li>• 64 MB SDRAM</li><li>• SD Flash memory card reader for Flash memory expansion, up to 32 GB</li></ul>                                                                    |
| Interface                    | <ul style="list-style-type: none"><li>• RS-232</li><li>• Centronics</li><li>• USB 2.0</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• External Bluetooth (user option)</li></ul>                                                                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"><li>• RS-232</li><li>• Centronics (factory option)</li><li>• USB 2.0 (High speed mode)</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• USB Host</li><li>• External Bluetooth (user option)</li></ul>    | <ul style="list-style-type: none"><li>• RS-232</li><li>• Centronics</li><li>• USB 2.0</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• External Bluetooth (user option)</li></ul> | <ul style="list-style-type: none"><li>• RS-232</li><li>• Centronics (factory option)</li><li>• USB 2.0 (High speed mode)</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• USB Host</li><li>• External Bluetooth (user option)</li></ul>    |
| Power                        | External universal switching power supply <ul style="list-style-type: none"><li>• Input: AC 100-240V, 2.5A, 50-60 Hz</li><li>• Output: DC 24V 3.75A, 90W</li></ul>                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Operation switch, button LED | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 1 feed/pause button</li><li>• 1 LED with 3 colors (red, green, amber)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 6 operation buttons (menu, feed/pause, up, down, left, right)</li><li>• 1 LED with 3 colors (red, green, amber)</li><li>• 2.3" color TFT display, 320 x 240 pixel</li></ul> | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 1 feed/pause button</li><li>• 1 LED with 3 colors (red, green, amber)</li></ul>                                    | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 6 operation buttons (menu, feed/pause, up, down, left, right)</li><li>• 1 LED with 3 colors (red, green, amber)</li><li>• 2.3" color TFT display, 320 x 240 pixel</li></ul> |
| Sensors                      | <ul style="list-style-type: none"><li>• Gap transmissive sensor</li><li>• Black mark reflective sensor (position adjustable)</li><li>• Head open sensor</li><li>• Ribbon end sensor</li></ul>                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Internal fonts               | <ul style="list-style-type: none"><li>• 8 alpha-numeric bitmap fonts</li><li>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li></ul>                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Bar code                     | <ul style="list-style-type: none"><li>• 1D bar code</li><li>Code 39, Code 39 with check digit, Code 93, Code 128UCC, Code 128 subset A, B, C, Codabar, Interleave 2 of 5, Interleaved 2 of 5 with check digit, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, MSI, MSI with check digit, PLESSEY, POSTNET, Logmars, Code 11, Code 49, China post, ITF14, TELEPEN, TELEPENN, PLANET, Deutsche Post Identcode, Deutsche Post Leitcode</li><li>• 2D bar code</li><li>GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417</li></ul> |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Font and barcode rotation    | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Printer language             | TSPL-EZ™ (Compatible to EPL, ZPL, ZPL II)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Media type                   | Continuous, die-cut, black mark, fan-fold, notch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Media width                  | 20 ~ 112 mm (0.79" ~ 4.4")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Media thickness              | 0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Media core diameter          | 25.4 ~ 38.1 mm (1" ~ 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Label length                 | 10 ~ 2,286 mm (0.39" ~ 90")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10 ~ 25,400 mm (0.39" ~ 1,000")                                                                                                                                                                                                              | 10 ~ 1,016 mm (0.39" ~ 40")                                                                                                                                                         | 10 ~ 11,430 mm (0.39" ~ 450")                                                                                                                                                                                                                |
| Environment condition        | Operation: 5 ~ 40°C, 25~85% non-condensing<br>Storage: -40 ~ 60 °C, 10~90% non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Safety regulation            | FCC Class B, CE Class B, C-Tick Class B, UL, cUL, TÜV/safety, CCC, CoC-Mexico, ENERGY STAR®                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Environmental concern        | Comply with RoHS, WEEE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Accessories                  | <ul style="list-style-type: none"><li>• Windows labeling software CD disk</li><li>• Quick start guide</li><li>• USB cable</li><li>• Power cord</li><li>• External universal switching power supply</li></ul>                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Limited warranty             | <ul style="list-style-type: none"><li>• Printer: 2 years</li><li>• Print head: 25 km (1 million inches) or 12 months which comes first</li><li>• Platen: 50 km (2 million inches) or 12 months which comes first</li></ul>                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| Factory options              | <ul style="list-style-type: none"><li>• Real time clock</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"><li>• Centronics parallel (replace USB Host)</li><li>• Real time clock</li></ul>                                                                                                                           | <ul style="list-style-type: none"><li>• Real time clock</li></ul>                                                                                                                   | <ul style="list-style-type: none"><li>• Centronics parallel (replace USB Host)</li><li>• Real time clock</li></ul>                                                                                                                           |
| Dealer options               | <ul style="list-style-type: none"><li>• Peel-off module</li><li>• Guillotine cutter (full cut)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| User options                 | <ul style="list-style-type: none"><li>• External Bluetooth module (serial interface)</li><li>• External roll mount with 3" core label spindle</li><li>• Sleeve adapter</li><li>• KP-200 Plus keyboard display unit</li><li>• KU-007 Plus programmable smart keyboard</li></ul>                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                                                                                              |



### CORPORATE HEADQUARTERS

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