

## DH Series 2-Inch Specifications

| Model                             | DH220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DH320                            | DH220T                                                                                                                                                                                           | DH320T                           |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12 dots / mm (300 dpi)           | 8 dots / mm (203 dpi)                                                                                                                                                                            | 12 dots / mm (300 dpi)           |
| Printing Method                   | Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                                                                                                                                                  |                                  |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 152mm(6") / second               | 203mm(8") / second                                                                                                                                                                               | 152mm(6") / second               |
| Max. Print Width                  | 54mm (2.13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 56.9mm (2.24")                   | 54mm (2.13")                                                                                                                                                                                     | 56.9mm (2.24")                   |
| Max. Print Length                 | 25,400mm (1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11,430mm (450")                  | 25,400mm (1,000")                                                                                                                                                                                | 11,430mm (450")                  |
| Enclosure                         | Clamshell with double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                                                                                                                                                                                                  |                                  |
| Physical Dimension                | 138mm(W)x 172mm(H)x 210mm(D)<br>5.43"(W)x 6.77"(H)x 8.27"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                                                                                                                                                                                                  |                                  |
| Weight                            | 1.6kg (3.53lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                                                                                  |                                  |
| Label Roll Capacity               | 127mm (5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |                                                                                                                                                                                                  |                                  |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                                                                                  |                                  |
| Memory                            | <ul style="list-style-type: none"><li>• 128 MB Flash memory</li><li>• 128 MB SDRAM</li><li>• microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li></ul>                                                                                                                                                                                                                                                                                                                                             |                                  |                                                                                                                                                                                                  |                                  |
| Interface                         | <ul style="list-style-type: none"><li>• USB 2.0</li><li>• RS-232</li><li>• USB Host</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li><li>• Bluetooth 5.0 (dealer option)</li><li>• MFi Bluetooth 5.0 (factory option)</li></ul>                                                                                                                                                                                                                        |                                  |                                                                                                                                                                                                  |                                  |
| Power                             | External universal switching power supply <ul style="list-style-type: none"><li>• Input: AC 100-240V, 1.5A, 50-60Hz</li><li>• Output: DC 24V, 2.5A, 60W</li></ul>                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                  |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 1 feed button</li><li>• 1 pause button</li><li>• 1 reprint button</li><li>• 1 status indicator</li><li>• 3 intuitive icon indicators</li></ul>                                                                                                                                                                                                                                                                                                                      |                                  | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 1 feed button</li><li>• 1 pause button</li><li>• 1 reprint button</li><li>• 3.5" color touch display, 480 x 320 pixel</li></ul> |                                  |
| Sensors                           | <ul style="list-style-type: none"><li>• Transmissive gap sensor</li><li>• Black mark reflective sensor (position adjustable)</li><li>• Head open sensor</li></ul>                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                  |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  |                                                                                                                                                                                                  |                                  |
| Internal Font                     | <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><li>• ARIALUNI.TTF Unicode true type font</li></ul>                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                  |
| Barcode                           | <ul style="list-style-type: none"><li>• 1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li><li>• 2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode), rMQR Code</li></ul> |                                  |                                                                                                                                                                                                  |                                  |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                                                                                                                                  |                                  |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                                                                                                                                                  |                                  |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound), linerless media (for linerless option)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  |                                                                                                                                                                                                  |                                  |
| Media Width                       | 15 - 60mm (0.59" - 2.36")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                                                                                                                                                                  |                                  |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                  |                                  |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                                                                                                                                                                                  |                                  |
| Label Length                      | 5mm - 25,400mm<br>(0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5mm - 11,430mm<br>(0.20" - 450") | 5mm - 25,400mm<br>(0.20" - 1,000")                                                                                                                                                               | 5mm - 11,430mm<br>(0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"><li>• Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li><li>• Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li></ul>                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                                                                                                                                                  |                                  |
| Safety Regulation                 | <ul style="list-style-type: none"><li>• Printer: CB, FCC Class B, IC , cTUVus, NoM, CE Class B, UKCA, EAC, CCC, RCM, BSMI, Energy Star 3.2</li><li>• Wi-Fi/Bluetooth: FCC, IC, CE, UKCA, FAC, SRRC, RCM, NCC</li><li>• MFi Bluetooth: FCC, IC, CE, UKCA, FAC, SRRC, RCM, NCC</li></ul>                                                                                                                                                                                                                                               |                                  |                                                                                                                                                                                                  |                                  |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                                                                                                                                                                  |                                  |
| Accessories                       | <ul style="list-style-type: none"><li>• Quick start guide</li><li>• USB cable</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  | <ul style="list-style-type: none"><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>• Printhead: 25km (1 million inches) or 12 months which comes first</li><li>• Platen: 50km (2 million inches) or 12 months which comes first</li></ul>                                                                                                                                                                                                                                                                                                              |                                  |                                                                                                                                                                                                  |                                  |
| Factory Option                    | MFi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                  |
| Dealer Option                     | <ul style="list-style-type: none"><li>• Peel-off module</li><li>• Guillotine cutter (full cut and partial cut)</li><li>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li></ul>                                                                                                                                                                                                                                                                                                                                           |                                  | <ul style="list-style-type: none"><li>• Bluetooth 5.0 module</li><li>• Linerless with cutter (full cut)</li><li>• Linerless with tear</li></ul>                                                  |                                  |
| User Option                       | <ul style="list-style-type: none"><li>• External label roll mount</li><li>• KP-200 Plus keyboard display unit</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                              |                                  | <ul style="list-style-type: none"><li>• 10mm narrow media adaptor</li><li>• PDF Print Dongle</li></ul>                                                                                           |                                  |



**CORPORATE HEADQUARTERS**  
**TSC Auto ID Technology Co., Ltd.**  
 Tel: +886 2 2218 6789  
 E-mail: apac\_sales@tsccprinters.com

**LIIZE PLANT**  
**TSC Auto ID Technology Co., Ltd.**  
 Tel: +886 3 990 6677  
 E-mail: apac\_sales@tsccprinters.com

**AMERICAS**  
**TSC Auto ID Technology America Inc.**  
 Tel: +1 657 258 0808  
 E-mail: americas\_sales@tsccprinters.com

**MEXICO**  
**TSC Mexico Representative Office**  
 Tel: +1 52 (33) 3673 1406  
 E-mail: americas\_sales@tsccprinters.com

**BRAZIL**  
**TSC Brazil Representative Office**  
 Tel: +55 (11) 3554 7225  
 E-mail: americas\_sales@tsccprinters.com

**EMEA**  
**TSC Auto ID Technology EMEA GmbH**  
 Tel: +49 (0) 8106 37979 000  
 E-mail: emea\_sales@tsccprinters.com

**RUSSIA**  
**TSC Auto ID Technology EMEA GmbH**  
 Tel: +7 495 646 3538  
 E-mail: emea\_sales@tsccprinters.com

**MIDDLE EAST**  
**TSC Auto ID Technology ME Ltd, FZE**  
 Tel: +971 4 2533 069  
 E-mail: emea\_sales@tsccprinters.com

**ASIA PACIFIC**  
**TSC Auto ID Technology Co., Ltd.**  
 Tel: +886 2 2218 6789  
 E-mail: apac\_sales@tsccprinters.com

**INDIA**  
**TSC India Representative Office**  
 Tel: +91 2249 679 315  
 E-mail: apac\_sales@tsccprinters.com

**CHINA**  
**Tianjin TSC Auto ID Technology Co., Ltd.**  
 Tel: +86 22 5981 6661  
 E-mail: apac\_sales@tsccprinters.com

**KOREA**  
**TSC Korea Representative Office**  
 Tel: +82 2 852 3322  
 E-mail: apac\_sales@tsccprinters.com

TSC® is a trademark of TSC Auto ID Technology Co., Ltd.  
 TSC Auto ID Technology Co., Ltd. is an ISO 9001/14001 registered company.  
 © 2025 TSC Auto ID Technology Co., Ltd.  
 Product models and Specifications are subject to change without notice.  
 Contact your TSC sales representative for specific information.  
 20250623



[www.tsccprinters.com](http://www.tsccprinters.com)