

# ciSeries

ci3200 • ci3300 • ci3500 • ci3650

A comprehensive  
range of high  
speed small  
character ink jet  
printers



Simple, Reliable, Capable  
and Excellent Value

# Citronix printing capability



日本語 賞味期限 2018.03.16  
ロットナンバー 123456  
日本製

اختبار إنتاج ٢٠١٤/٠٣/٢٦  
تشغيله ٧٦٥٤٣٢١  
منق في ممر

喜多力 有效期至 2014-03-19  
中国制造



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31 PIXEL 12 PIXEL 9 PIXEL 7 PIXEL  
16 PIXEL 9 PIXEL 7 PIXEL

16 PIXEL 12 PIXEL 9 PIXEL 7 PIXEL LINE 1 5 PIXEL LINE 1  
7 PIXEL LINE 2 5 PIXEL LINE 2

Citronix Inc. BEST BEFORE: 18 APR 2030  
LOT NUMBER: 123456  
Made in the USA



Representative print quality only – dependent on application and substrate



|                            | ci3200 | ci3300 | ci3500 | ci3650 | Micro | HS50 | Pigment | Heavy Pigment |
|----------------------------|--------|--------|--------|--------|-------|------|---------|---------------|
| General Purpose Black      | •      | •      | •      | •      | •     | •    |         |               |
| Ethanol Black              | •      | •      | •      | •      | •     | •    |         |               |
| Red                        | •      | •      | •      | •      | •     | •    |         |               |
| Blue                       | •      | •      | •      | •      | •     | •    |         |               |
| Acetone Black              | •      | •      | •      | •      |       |      |         |               |
| Alcohol Resistant Black    |        | •      | •      | •      |       |      |         |               |
| Caustic Washable Black     |        | •      | •      | •      |       |      |         |               |
| Green                      |        | •      | •      | •      |       |      |         |               |
| Acetone/Ethanol Black      |        | •      | •      | •      |       |      |         |               |
| Plastic                    |        | •      | •      | •      |       |      |         |               |
| PlasticPlus                |        | •      | •      | •      |       |      |         |               |
| UV Readable                |        | •      | •      | •      |       |      |         |               |
| Food Grade Red             |        | •      | •      | •      |       |      |         |               |
| Thermochromic Black to Red |        | •      | •      | •      |       |      |         |               |
| Yellow Pigment             |        |        |        |        |       |      |         | •             |
| Black Pigment              |        |        |        |        |       |      |         | •             |
| Heavy Pigment White        |        |        |        |        |       |      |         | •             |

## Citronix Inks

Citronix offers a comprehensive range of MEK, Acetone and Ethanol based inks, make up and cleaning solvents, specially developed for use with ciSeries printers.

Citronix inks offer excellent adhesion characteristics on a variety of different substrates with immediate and quick dry inks to suit most applications.



# Citronix is a leading global supplier of continuous inkjet printers.

The ciSeries range of printers are designed to meet some of the most demanding coding and marking applications across industries such as food and beverage, extrusion, cable and wire, cosmetics, pharmaceutical and health care, electronic components, automotive, construction and other industrial sectors.

Citronix's range of printers apply identifying marks such as best before dates, traceability codes, logos and batch codes at very high speeds to almost any kind of material or surface whether plastic, metal, paper, wood, glass or other substrate type. ciSeries printers are renowned globally for their Simplicity, Reliability, Capability and Excellent Value.

## ciSeries Product Range

### ci3200



Entry level printer for typical 1 or 2 line printing applications at speeds of up to 6.9m/s. Designed with IP55 rated black powder coated steel cabinet with standard communication features configured for general purpose inks.

### ci3300



Intermediate printer in stainless steel cabinet to meet 1 to 3 line printing applications with Macro and Normal drop size at speeds of up to 9.8m/s. Designed for all non-pigment ink types.

### ci3500



Advanced high performance printer with all the capabilities of ci3300 plus advanced connectivity features such as ciLink and capability to print up to 5 lines of text, graphics and bar codes at high speeds.

### ci3650



Harsh environment printer with positive air pressurized enclosure and printhead for extreme dust or washdown environments – designed for IP65. Includes all features and capabilities of ci3500.

## Specialist printers – ci3500 and ci3650

- **Pigment:** For high contrast printing on dark surfaces or adhesion to complex substrates
- **Heavy Pigment:** For white, low VOC ink for excellent contrast on dark surfaces
- **Micro:** Designed with 40 micron nozzle for printing very small characters (0.6mm to 6mm)
- **HS50 (High Speed 50 Micron):** Designed with 50 micron nozzle for extra high speed applications



# Simplicity

- Most intuitive icon-based graphical user interface reducing need for operator training
- Simple WYSIWYG message creation and editing with pick and place pixel by pixel field based structure
- Large VGA display with full size QWERTY keyboard designed for industrial environments
- Single button start up and shut down
- Multiple operator languages and character sets readily accessible
- Easy, error-proof fluids refill system – no need to open printer
- Intuitive on-screen display of status, faults and easy access to help screens
- Storage of over 1,000 messages, logos and artwork for fast, easy retrieval during product changeovers – remotely, locally or automatically



# Capability

- Superior print quality from 1 to 5 line printing of alpha numerics, logos, graphics and variety of linear barcodes and 2D DataMatrix
- High speed printing of up to 9.8m/s – even faster with Micro (10.3m/s) and HS50 (10.6m/s)
- Comprehensive range of printers with common electronics and software for all printing requirements
- **PixelPlus** – unique software feature to change between small and large drops (60 and 75 micron) at a touch of a button
- **ciLink** – on board web browser interface for remote access and control of printers
- Direct to board Ethernet connection or RS232 as standard for networking of printers



ci **Link**

**PIXEL PLUS**

INKJET PRINTERS  
Made in the USA  
CITRONIX INC

# Reliability

- Industry leading 30-month manufacturer's warranty\*
- Simple, compact and robust industrial design
- IP55 washdown protection as standard. ci3650 designed for IP65 dust protection.
- Low parts count including single board design
- Robust, reliable and repairable printhead
- **SmartFlush** – automatically cleans printhead at shut-down, ensuring excellent start up printing performance
- Efficiently designed and manufactured in the U.S.A.
- Supported globally through a network of factory authorized and trained distributors



# Excellent Value

- Excellent value for feature rich printer with extended warranty
- Simple to diagnose and repair – no need to replace expensive modules
- Service intervals of 12 months or 6,000 hours to reduce planned downtime
- Advanced fluidics system for improved make up consumption
- No expensive ink modules to replace – no ink thrown away
- Large tanks and bottles to reduce number of operator touches
- No partially filled hazardous cartridges to dispose of – no waste



\* 30m warranty for hardware from date of manufacture. Local conditions may vary.

# Technical Specifications

## Dimensions (inches / mm)

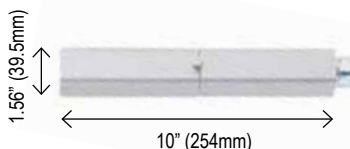
### Front View



### Side View



### Printhead



## Operations

- ¼ VGA backlit graphical display with full size QWERTY keyboard available in multiple languages
- WYSIWYG onscreen message editing with pick and place pixel by pixel field based formatting
- Single button start & stop operation
- Screen text and fonts available in multiple languages
- Dynamic message storage (over 1,000 messages)
- Wizards to simplify setup (settings, commissioning and message set up)
- Real & expiration time & date; shift & rollover functions; product & batch counting; programmable password security; automatic diagnostics; event log; service reminders; backup/restore functions; downloadable software updates
- Service intervals of 6,000 hours or 12 months, depending on environment

## Other Characteristics

- Flexible 2.7m printhead conduit (4.6m option)
- Ethernet and RS232 connectivity
- Rugged stainless steel printhead (0.9kg)
- 750ml error-proof ink and make up bottles
- 1.9 liter ink tank; 2.25 liter make up tank
- Operating temperature range: 5 – 45°C (41 – 113°F), ink dependent
- Humidity: 10 – 90%, non-condensing
- Power: 100 – 240V:3A, auto-ranging; 50 – 60Hz

## Optional Accessories

- Alarm Beacons
- Photocells
- Shaft Encoders
- Positive Air Kit
- Bench & Floor Mountings
- Printhead Wash Station
- Right Angled Printhead
- Printhead Brackets

|   | ci3200              | ci3300                      | ci3500                      | ci3650                      |
|---|---------------------|-----------------------------|-----------------------------|-----------------------------|
| Lines of print                              | 1 to 2              | 1 to 3                      | 1 to 5                      | 1 to 5                      |
| Character height *                          | 3 – 12mm            | 1.5 – 12mm                  | 1.5 – 12mm                  | 1.5 – 12mm                  |
| Font height                                 | 5 to 16 dots        | 5 to 25 dots                | 5 to 31 dots                | 5 to 31 dots                |
| Drop size                                   | Macro (75µ)         | Normal (60µ)<br>Macro (75µ) | Normal (60µ)<br>Macro (75µ) | Normal (60µ)<br>Macro (75µ) |
| PixelPlus                                   |                     | Yes                         | Yes                         | Yes                         |
| ciPrecisionPlus                             | Yes                 | Yes                         | Yes                         | Yes                         |
| Line Speed **                               | up to 6.9m/sec      | up to 9.8m/sec              | up to 9.8m/sec              | up to 9.8m/sec              |
| ciLink                                      |                     |                             | Yes                         | Yes                         |
| RS232                                       | Yes                 | Yes                         | Yes                         | Yes                         |
| Ethernet                                    | view only           | view only                   | Yes                         | Yes                         |
| Inputs (photocell / encoder / programmable) | 1 / 1 / 0           | 2 / 1 / 6                   | 2 / 1 / 6                   | 2 / 1 / 6                   |
| Outputs (programmable alarms / relay)       | 3 / 1               | 3 / 1                       | 3 / 1                       | 3 / 1                       |
| SmartFlush                                  | Yes                 | Yes                         | Yes                         | Yes                         |
| Cabinet                                     | Powder Coated Steel | Stainless Steel             | Stainless Steel             | Stainless Steel             |
| IP rating design                            | IP55                | IP55                        | IP55                        | IP65                        |
| Weight including printhead                  | 17.4 kg             | 17.4 kg                     | 17.4 kg                     | 18.3 kg                     |

\* Minimum height (5 drop), maximum height (16+ drop). Legible at 20mm height. \*\* Based on 5 drop font at 50dpi, depending on message.

For detailed specifications on Pigment, Heavy Pigment, Micro and HS50 printers see [www.citronix.com](http://www.citronix.com).

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Designed and manufactured in the USA  
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