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

- **CiPrecisionPlus** – optimized speed and print quality settings via smooth step control for accurate drop placement
- Full print capabilities including: alpha numerics, logos, graphics and variety of linear and 2D DataMatrix; multiple languages; bold; upper & lower case; reverse & inverted printing; rotated character (tower) printing; variable character height & width; sequential numbering; forward & backward counting; continuous print capability

Representative print quality only – dependent on application and substrate

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.

<table>
<thead>
<tr>
<th>General Purpose Black</th>
<th>Ethanol Black</th>
<th>Red</th>
<th>Blue</th>
<th>Acetone Black</th>
<th>Alcohol Resistant Black</th>
<th>Caustic Washable Black</th>
<th>Green</th>
<th>Acetone/Ethanol Black</th>
<th>Plastic</th>
<th>PlasticPlus</th>
<th>UV Readable</th>
<th>Food Grade Red</th>
<th>Thermochromic Black to Red</th>
<th>Yellow Pigment</th>
<th>Black Pigment</th>
<th>Heavy Pigment White</th>
</tr>
</thead>
<tbody>
<tr>
<td>●</td>
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</tr>
</tbody>
</table>

Citronix Inc.

31 PIXEL 16 PIXEL

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 confi 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
Reliability

- Industry leading 30-month manufacturer’s warranty*
- Efficiently designed and manufactured in the U.S.A.
- Simple, compact and robust industrial design
- Supported globally through a network of factory authorized and trained distributors
- 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

Excellent Value

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

* 30-month warranty for hardware from date of manufacture. Local conditions may vary.
Technical Specifications

Dimensions (inches / mm)

Front View

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 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

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

* 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.