Citronix

ci5200 • ci5300 • ci5500 • ci5650

Coding Excellence

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

اختبار 　انتاج ٢٠١٤/٠٣/٢٦
تشغيله ١٢٣٥٠٣٧
صنع في مصر

喜多力 　有効期至 2014-03-19
中国制造

‖1234567‖890128‖

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

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

QR CODES
MICRO QR CODES

- Full print capabilities including: alpha numerics, logos, graphics and variety of linear 2D Datamatrix and QR codes; multiple languages; bold; upper and lower case; reverse and inverted printing; rotated character (tower) printing; variable character height and width; sequential numbering; forward and backward counting; continuous print capability

- **ciPrecisionPlus** – optimized speed and print quality settings via smooth step control for accurate drop placement

- High speed printing of up to 9.8m/s – even faster with Micro (10.3m/s) and HS50 (10.6m/s)

ci Precision Plus

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

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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.

General Purpose MEK
- Black
- Red
- Blue

Inks for Difficult Substrates
- Acetone/Ethanol Black
- Plastic
- Plastic Plus

High Contrast Pigment Inks
- Pigment Yellow, MEK and Acetone
- Pigment Black
- Heavy Pigment White

FDA Approved Food Grade
- Red
- Blue

Caustic Washable
- Black
- Green

Specialty Inks
- Acetone Black
- Ethanol Black
- UV Readable
- Alcohol Resistant Black
- Thermochromic Black to Red

Citronix is a leading global supplier of continuous inkjet printers.

The ci5000 Series printer is the latest evolution of the Citronix printer range. It continues to build on Citronix's core values of Simple, Capable, Reliable and Excellent Value and reaffirms Citronix's position as a leading continuous ink jet manufacturer.

Citronix's 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 Product Range

ci5200

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.

ci5300

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.

ci5500

Advanced high performance printer with all the capabilities of ci5300 plus advanced connectivity features such as ciLink and capability to print up to 5 lines of text, graphics and bar codes at high speeds.

ci5650

Harsh environment IP65 printer with positive air pressurized enclosure and printhead for extreme dust or washdown environments. Includes all features and capabilities of ci5500.

Specialist printers - ci5500 and ci5650

- **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

- Easy to use, intuitive touch screen graphical user interface reducing need for operator training

- Large 10.1" capacitive touch screen with toughened glass for industrial environments

- Single start/stop button to ensure correct shutdown and reliable start up

- Intuitive GUI with easy to use set-up wizards and quickly accessible online help database

- Simple WYSIWYG message creation and editing with drag and drop field based structure

- Multiple operator languages and character sets readily accessible

- Easy, error-proof fluids refill system – no need to open printer

Capability

- Superior print quality from 1 to 5 line printing of alpha numerics, logos, graphics, and a variety of linear, 2D Datamatrix and QR codes

- High speed printing of up to 9.8m/s – even faster with Micro (10.3m/s) and HS50 (10.6m/s)

- Quick installation with accessory IP65 connectors as standard – photocell, encoder, beacons

- Direct to board Ethernet connection or RS232 as standard for networking of printers

- Comprehensive range of printers with common electronics and software for all printing requirements

- Fast, simple backups, restores and PC free firmware upgrades with USB and SD ports as standard

- **ciLink** – on board web browser interface for remote access and control of printers

- **PixelPlus** – unique software feature to change between small and large drops (60 and 75 micron) at a touch of a button

Reliability

- Industry leading 30-month manufacturer's warranty*

- IP55 washdown protection as standard. IP65 dust protection with ci5650

- **SmartFlush** – an automatic printhead cleaning process that means you start first time, every time

- Simple, compact and robust industrial design

- Designed and manufactured for industrial level robustness, low parts count and serviceability

- Supported globally through a network of factory authorized and trained distributors

- Efficiently designed and manufactured in the U.S.A.

- **ciSafeFill** – fast, simple way to optimize performance, increase uptime and printer life by ensuring fluid-printer compatibility

ci**Easy**Serv

ciSafeFill™

Excellent Value

- **ciEasyServ** – maximize printer performance, life and uptime with simple, no mess/no fuss, technician free, service module replacement

- Excellent value for feature rich printer with extended warranty

- Service intervals of 18 months or 8,000 hours to reduce planned downtime

- No expensive ink modules to replace - no ink thrown away during ink replenishment

- No waste – no partially filled hazardous bottles to dispose of

- Simple to diagnose and repair – no need to replace expensive modules

SmartFlush

Technical Specifications

Dimensions (inches / mm)

Front View

16" (406mm)

Side View

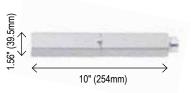14.2" (361mm)

15.9" (404mm)

Printhead

1.56" (39.5mm)

10" (254mm)

Operations

- 10.1" color display, capacitive touch screen
- WYSIWYG onscreen message editing with drag and drop field positioning
- Intuitive GUI with easy to use set-up wizards and quickly accessible online help database
- Single start/stop button to ensure correct shutdown and reliable start up
- Graphical user interface and messages available in multiple languages
- Dynamic message storage (over 1,000 messages)
- Real and expiration time and date; shift and rollover functions; product and batch counting; programmable password security; automatic diagnostics; event log; service reminders; downloadable software updates
- Service intervals of 8,000 hours or 18 months, depending on environment
- Fast, simple backups, restores and PC free firmware upgrades with USB and SD card ports as standard

Other Characteristics

- Integrated, no mess, no fuss service module
- Correct type / in-date fluid verification
- Flexible 2.7m printhead conduit (4.6m option)
- Connectors for photocell, encoder and beacon as standard
- 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

Accessories

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

	ci5200	ci5300	ci5500	ci5650
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) Macro (75μ)	Normal (60μ) Macro (75μ)	Normal (60μ) 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
SD, USB, RS232 and Ethernet	Yes	Yes	Yes	Yes
Inputs (photocell / encoder / message select)	1 / 1 / 0	2 / 1 / 8	2 / 1 / 8	2 / 1 / 8
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	IP55	IP55	IP55	IP65
Weight including printhead	18.0 kg	18.0 kg	18.0 kg	18.73 kg

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

For detailed specifications on Pigment, Heavy Pigment, Micro and HS50 printers see www.citronix.com.

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Designed and manufactured in the USA

www.citronix.com