

# ci580

Continuous Ink Jet  
Made Affordable

**NEW**

The Citronix ci580 is a smart-featured continuous ink jet (CIJ) printing system. Designed to meet a broad range of applications, the ci580 features the most common needed functions and capabilities necessary for the typical identification, lot / date code, sell-by date printing application.



## printing

The ci580 prints 1 or 2 lines of print and has the ability to print 1/2" (12mm) images. Text, Graphics and Bar codes are possible. Speeds in excess of 1000 ft/minute (333M/min) can be achieved with 1 line of print and 400 ft/minute (139M/min) with 2 lines of print. A selection of MEK, Acetone or Ethanol based inks are available for immediate dry times and superior adhesion to a variety of substrates.



## interface

True WYSIWYG message editing with drag and drop field based structure provide the user the most convenient and versatile message formatting available. A large quarter VGA graphical display with icon-based operation and full-size QWERTY style keyboard assure effortless operation.

Fast, single start and stop buttons provide the user an efficient startup and shutdown routine

Designed for a global market,

the ciSeries systems feature multiple language formats. Print multi-national characters, custom graphics at the touch of a button. Integrated as standard, the ci580 have RS232, a photocell input, shaft encoder, three programmable alarm outputs and 1 solid state relay output.



## design

The ci580 is housed in an IP55 (NEMA 4) rated enclosure for operation in extreme wet or dry applications. State-of-the-art single board surface mount electronics technology coupled with integrated smart printhead and ink system components monitor critical operating functions.

The printhead can mount in any orientation or environment. A heating mechanism allows operation in cold areas.

**SmartFlush™**

The ci580 systems feature the proprietary SmartFlush™ printhead maintenance operation. Makeup Solvent is used to clean the printhead, nozzle and gutter at startup and shutdown providing a consistent, reliable daily startup.

# specifications

## Controller

### Hardware

Single Printhead Control

Dual Processor: Motorola ColdFire / DSP

Speed: 66Mhz

Memory: 8 MByte Flash  
16 MByte RAM

### Machine Interface

I RS232 or RS485

I RS232

Inputs (Opto Isolated, Open Collector or TTL Type)

I Photocell

I Shaft Encoder

Outputs

Three Programmable Alarms—Warning and Failure (Open Collector, 150mA sinking)

Programmable Dry Contact Relay

External Power (+24VDC 500mA)

Printhead Umbilical

6 Feet (1.8 Meter)

### User Interface

Message Storage—50 messages

Full-Size QWERTY Keyboard

Quarter VGA Backlit Graphical Display

Intuitive Icon Based Operation

WYSIWYG Message Editing

Drag/Drop Field Based Formatting

Single Button Start and Stop Operation

Programmable Password Security

Real and Expiration Time and Date

Shift and Rollover Functions

Product and Batch Counting

Download Graphics and Integrated Editor

Optional keyboards available: Greek, Korean, Arabic,

Japanese, Russian, Hebrew

Automatic Diagnostics

Error and Activity Logs

Service Reminders

Continuous Print Capability

Backup / Restore Functions

Multiple Operator Languages

Multi-National Character Printing

Downloadable Software Updates

### Operating Environment

Temperature: 35°—113° F (5°—45° C)

% Relative Humidity: 10—90% (non condensing)

### Electrical Requirements

Auto Ranging: 100—240 VAC, (3 Amp)

Frequency: 50—60Hz

## Printhead

Technology: Continuous Ink Jet (CIJ)

Lines of Print: 1-2 lines (16 pixel)

ci580 systems feature SmartFlush™ automatic printhead cleaning at the start and stop process.

Printhead Orientation: Omni Directional

Print Fonts: 5, 7, 9, 12, 16

**Image Height:**

.5" (12mm)

**Throw Distance:**

.5" (12mm)

**Line Speed:**

1 Line 7x5—1000 ft/min (333 M/min)

2 Line 7x5—400 ft/min (139 M/min)

## Consumable Delivery

Ink Types: MEK, Ethanol, Acetone

Ink Colors: Black, Red, Blue, Green,

Ink Dry Time: Quick Dry to Immediate

Ink Bottles: 16oz (473ml)

Fluid Capacities: 32oz (.95 liter)

## Physical Characteristics

Enclosure: Painted Steel

Environmental: Nema 4 (IP55)

Weight Controller: 40 lbs (18kg)

Weight Printhead: 2 lbs (.90kg)

## Optional Accessories

Alarm Beacons

Photocells

Printhead Wash Station

Bench Mountings

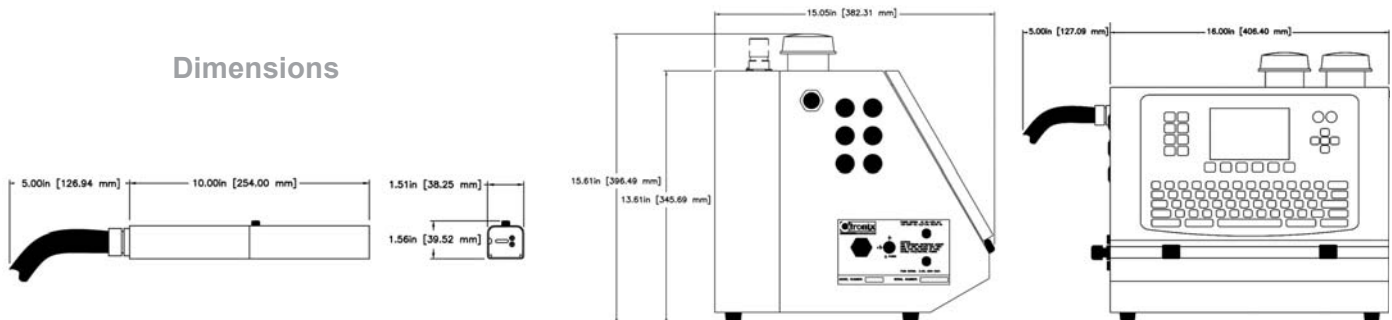
Shaft Encoders

Floor Mountings

Positive Air Kit (dusty environments)

By request, Citronix can adapt hardware and software to meet specific application demands.

## Dimensions



Ft. Worth, Texas 76140  
tel: 817.568.9800 • fax: 817.568.1970

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

[info@citronix.com](mailto:info@citronix.com)

Designed and manufactured in the USA

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