

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 (2.5 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, 25

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)

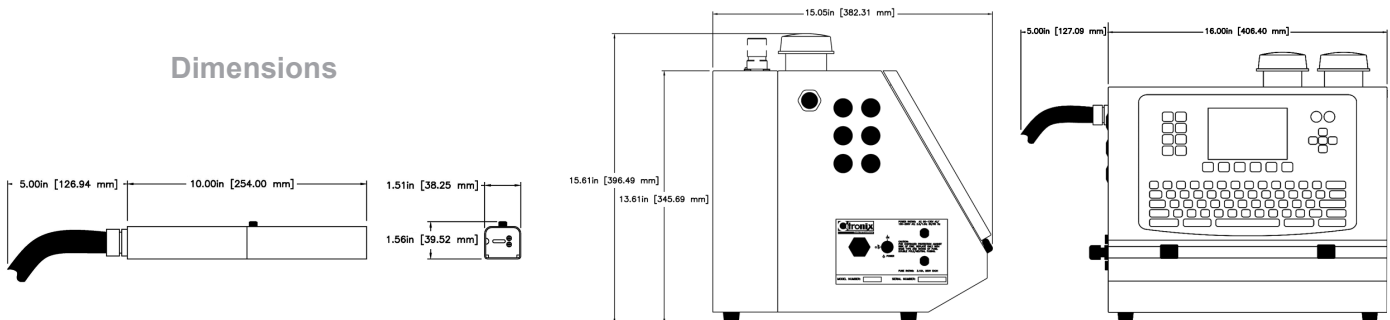
Physical Characteristics

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



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