

# AUTOPRINT® Series 400 Inkjet Printers

featuring...



## Technical Specifications

### PRINTER ATTRIBUTES

#### Physical Size

Print Module	4-Head Low Profile	Standard 1-Head
Height	10 inches	4.25 inches
Width	5.5	1.5
Depth	4.5	7.5
Weight	4.5 lbs	1.5 lbs

#### Electrical

120 – 240 VAC; 4 amps

#### Printing Speeds

Print Quality (DPI)	Max. Printing Speed
600 x 150	Up to 96 ips / 480 fpm
600 x 200	Up to 72 ips / 360 fpm
600 x 300	Up to 48 ips / 240 fpm
600 x 600	Up to 24 ips / 120 fpm

### CERTIFICATION

UL 65950:2000, CAN/CSA-C22.2 No.

60950-00, UL 1950:

1995 R6.98,

EN 60950:1992 +A1+A2+A3+A4+A11

### PRINT CHARACTERISTICS

#### Effective Print Area

4 – Head Printer – 2 inches high and up to 40 inches long

1 – Head Printer – 1/2 inch high and up to 40 inches long

#### Fonts

Unlimited True Type Fonts

#### Font Styles

Regular, Bold, Italic, Bold Italic

### INTERFACES

#### Print Module Interface

USB Ver. 1.1

10/100 Base – T Ethernet port for TCP/IP

#### External Input Connections

2 Sensor inputs

Encoder input

#### External Output Connections

4 Analog outputs; pulse width modulated

The AUTOPRINT® Series 400 Printer is the ideal solution for printing ingredients on unit boxes and identifiers on shipping cartons. It meets new FDA and GTIN specifications and raises the performance bar for identifying various consumer and industrial products including food, beverage, personal care, pharmaceutical, hardware, housewares, industrial components and office products.

AUTOPRINT® products are sold and serviced by experienced equipment distributors located throughout the United States.

Call 201-529-0202 to find the distributor in your region.

*Our mission is to turn orders into deliveries: on time, right, every time.*



AT Information Products, Inc.

575 Corporate Drive, Mahwah, NJ 07430 • Phone 201-529-0202 • Fax 201-529-5603

www.atip-usa.com

HP inkjet in action



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## IN-LINE CARTON PRINTING AND BARCODING

The new AUTOPRINT® Series 400 printer features high-definition print quality in a robust printer designed for industrial applications. It embodies the know-how that AT Information Products and Hewlett Packard have gained in making inkjet printers for more than 25 years.



## ALL PURPOSE HIGH DEFINITION PRINTING

AUTOPRINT® Series 400 Printers feature four high-definition HP cartridge print heads that are designed to print a continuous 2 inch high path of alphanumeric text, barcode symbologies and graphics up to 40 inches long. Series 400 printers are ideal for printing all required package identification information including:

- Product name, description and ingredients
- Barcode symbologies including UPC-A, EAN, Code 3 of 9, Code 128, Data Matrix and I 2 of 5
- Country of origin
- Use-by dates, traceability codes, sequential numbers, time and date stamps with rollover
- Graphics and spot colors

## SETTING A HIGHER STANDARD

The AUTOPRINT® Series 400 Printer delivers superior performance where it counts.

### Clear Print Quality

- Adjustable from 150 up to 600 dpi

### Large Flexible Messages

- Modular up to 8 inches high and 40 inches long

### Easy To Use Software

- Windows driver and WYSIWYG message composition software

### High Speed Print

- Up to 480 feet per minute

### Scaleable

- Expandable print height; Opposite and adjacent side printing; Multi-line multi-printer chains

### Reliable

- Heavy duty stainless steel; No wear parts; Cartridge replenishment performs preventive maintenance

### Easy to Operate

- Digital interfaces for quick and easy data entry; Easy to start (no priming); Easy to replenish (snap-in cartridges and automatic ink delivery systems)

### Safe Eco-Friendly

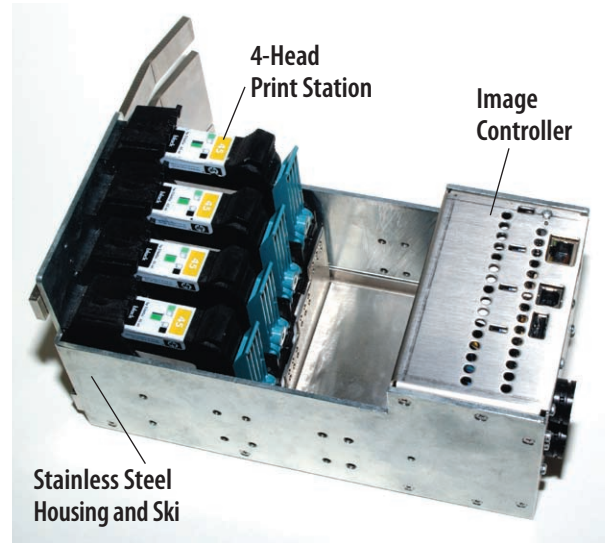
- Non-toxic water based ink

## HEAVY DUTY CONSTRUCTION FEATURES

AUTOPRINT® Series 400 printers have a four-head print station and integrated image controller that are embedded in a stainless steel housing.

Each print module has long sturdy “skis” that guide the carton being printed to the print station while protecting the printheads. The angled skis are reversible to the direction of carton flow.

### LOW PROFILE 4-HEAD PRINTER

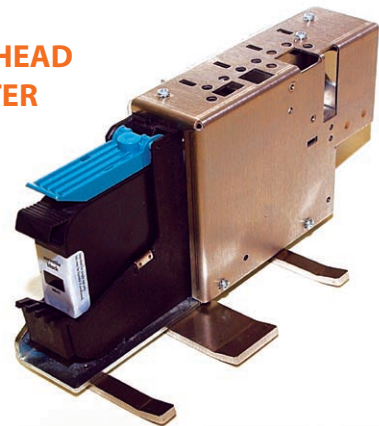


### The Series 400 has two basic models or configurations.

The low profile four-head model is designed for printing near the bottom of shipping cartons. It will print 12 of 5 barcodes that are 2 inches high and placed 1 1/4 inches from the bottom of the carton as required by many supply chains.

This feature makes the AUTOPRINT® low profile model the preferred solution for identifying shipping cartons. For applications that only require a 1/2 inch high message or have limited space, a slim single printhead model is available with Series 400 features.

### SINGLE HEAD PRINTER

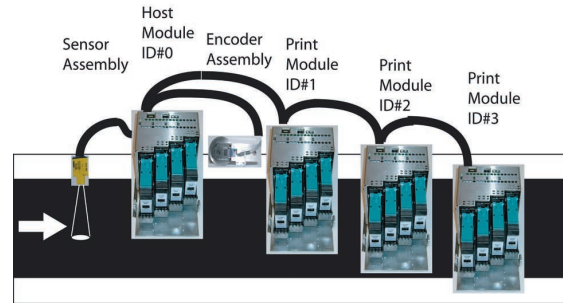


### NETWORK READY

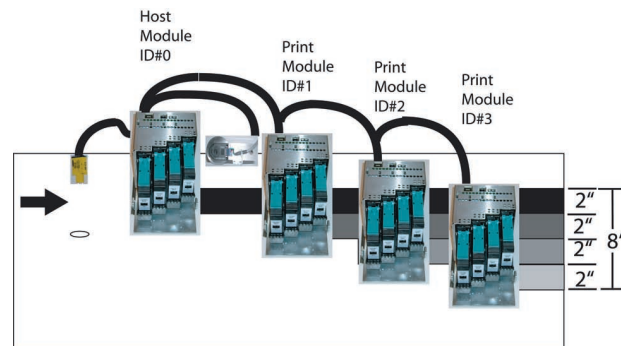
An Ethernet connection can be used to link printers on separate production lines to a host PC with Messagemaker® software. This network provides a single point of control for what is being printed at each production line. Alternately, an independent Series 400 printer offers local control at each production line.

## THE POWER SUPPLY CAN POWER UP TO FOUR PRINT MODULES (16 PRINT HEADS)

Accessory ports connect to the upstream carton sensor and to the line encoder that synchronizes the printer to print on variable speed cartoning lines.



The host print module interface can be accessed from the system PC using either a USB or Ethernet communication port. It is easy to connect multiple print modules to build a taller message or to configure systems for opposite side and adjacent side printing. This can be done with standard connection cables or with custom cables up to 20 feet long.

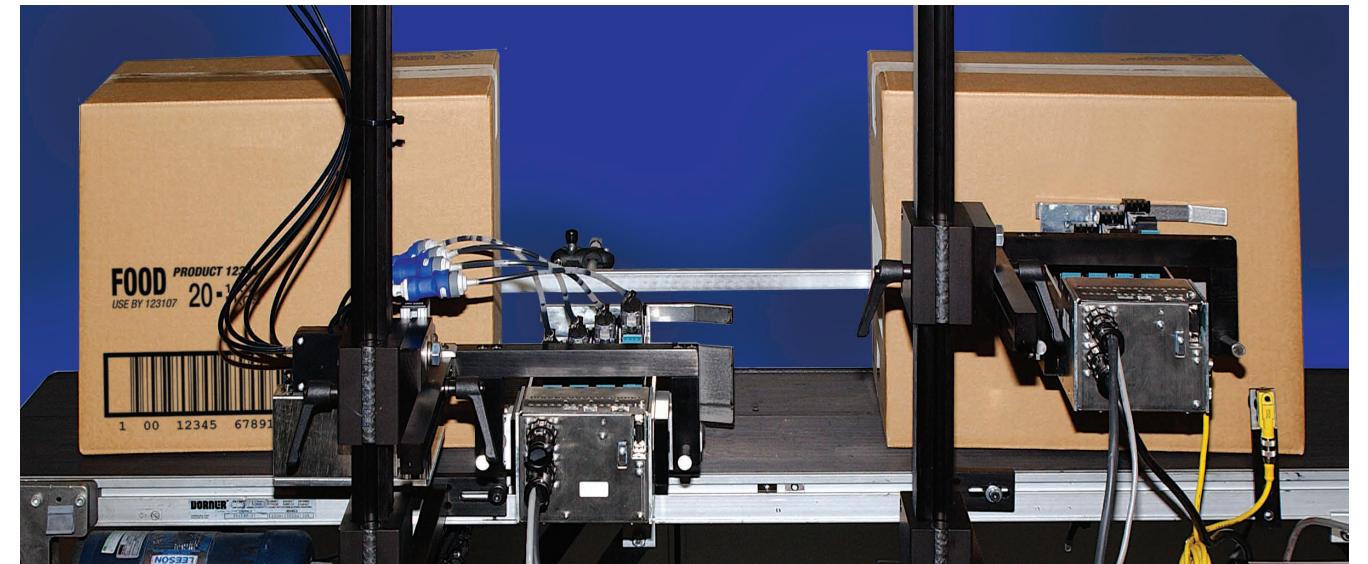


## INTUITIVE SYSTEM CONTROLS AND MESSAGEMAKER® SOFTWARE MAKE IT EASY

An operator friendly Windows PC control panel is used to configure, align, test, regulate and monitor print modules during setup and operation. It allows you to see the status of each print module and what will be printed on each carton. Status menus provide piece counts, print rate, clock setting and the amount of ink remaining in each cartridge. WYSIWYG Messagemaker software makes it easy to create the message formats, fonts, multi-lingual text, graphics and barcodes for the products being packaged.

## TAILOR THE SYSTEM TO FIT YOUR NEEDS

Series 400 print modules are equipped to operate as independent printers or as interconnected modules in multi-unit systems. Each print module has connections for a power supply, encoder and product sensor.



## HIGH RESOLUTION AUTOPRINT IDENTIFIERS ARE CLEARLY COMPLIANT

The AUTOPRINT Series 400 printer uses high resolution thermal inkjet technology to print crisp, legible alphanumeric messages and barcodes that comply with the standards for many applications and industries. HP TIJ inks dry and bond quickly to paperboard substrates. When used with high resolution AUTOPRINT® printers, these inks produce text and barcodes that are clear and durable.

Application	Typical Message	Barcode Symbology
Carton and Case Shipping	<b>FOOD</b> PRODUCT 12345 USE BY 123107 <b>20</b> 16OZ PKGS	Interleave 2 of 5 SCC 14, GTIN 1 00 12345 67891 9
Healthcare	PHARMACEUTICAL LOT 5754 012506 QTY 120	HIBC Code 128 +A5754001UH
Multipacks	<b>HOUSEWARE</b> Item 123456 Premium LARGE White 6-Bags	Code 3 of 9 *0123456*
Unit Box ID	<b>PERSONAL CARE</b> Classic Golden Blonde 8oz	UPC-A 0 12345 67890 5
Unit Box ID	<b>PAPER</b> PREMIUM 5000 Sheets	EAN-13 0 123456 789012
Item Control Tracking	PART No. ABC678 Model 12345 Made USA	DataMatrix [QR Code]

