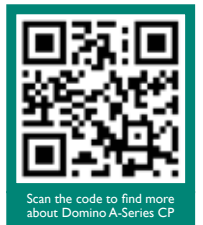# A-Series CP ink jet printer

## For high speed numbering and personalisation

Fast, reliable, versatile ink jet solution for the printing of fixed or variable data for digital printing applications

## Domino. Do more.

## High speed, versatile and reliable

Domino's A-Series CP printers offer you a fast, reliable, versatile printing solution that meets the stringent product specifications required by our customers in the printing and mailing markets.

These versatile printers, with low cost of ownership and running costs, are easily integrated into new and existing production equipment as part of a total solution, or can be used with Domino's Editor™ GT controller as a complete integrated package.

## A diverse range of applications

Delivering precise print every time, the A-Series CP printers print text, numbering, barcodes and graphics in fixed and variable formats. Ideal for use in web and sheet printing, plastic cards, postal systems and bindery production lines for traceability, promotional games printing, personalisation for products from labels, tickets, security products, post and games cards.

High speed lottery and bingo numbering.

Document personalisation on web or sheet fed production.

Security and lot numbers for product control.

## Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the demanding governmental, industry and company standards and regulations. We are committed to minimising the consumption of natural resources and energy and the creation of waste.

# High productivity, reliability and versatility

## High reliability

Domino's **SureStart** print head gives you market leading start/stop performance and you can rely on the automatic self-cleaning cycle to ensure that the print head is always available, guaranteeing consistent reliability and allowing you to deliver maximum productivity with minimum operator intervention.

## Versatile

The print head technology provides consistent drop placement and the fast drying, solvent based inks, which dry almost instantaneously, allow you to consistently deliver precise, high quality print.

# Easy to integrate and flexible

## Modular systems

The robust, heavy duty A300 CP is suitable for single head applications and can be installed on virtually any production line. The compact design of the A400 CP allows it to be used as multi-head stackable printer units (up to 20 printers) controlled by the Domino Editor™ GT controller making it ideal for use where space is limited.

Both provide extremely flexible printing onto a wide range of substrates (including coated and uncoated media, plastics and polythene wrap) in applications where the distance between the product and print head varies.

# Easy to use and maintain – for a stress-free line

## Simple to operate

The A-Series CP printers are quick and easy to operate with intuitive control and data entry software, a fast make ready time, and just one button controlling the complete start up and shutdown process.
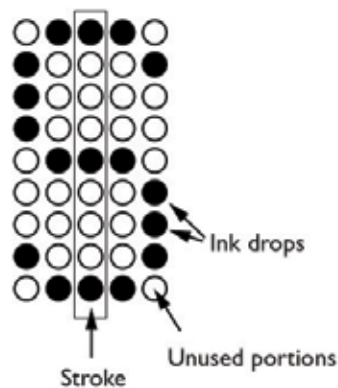
## Easy to maintain

The **SureStart** print head with its Autoflush and nozzle sealing process means that it has a truly automatic cleaning cycle, eliminating the need for manual head cleaning, even during extended shutdowns. The ink and makeup can be added at any time eliminating the need for line stops for refills, improving availability.

# Range of print formats – giving you total choice

## Matrix

This traditional ink jet format, where characters are formed by drop placement based on a 7×5 or 9×5 matrix, and different print nozzle sizes provides you with variable print resolutions.

## FreeForm™

Using a technique that allows drops to be placed with greater accuracy and density, FreeForm™ enables you to print curved characters with a high standard of quality and readability, not possible using the dot matrix format. The ability to select your font opens up a whole new range of jobs for you.

## Pinpoint™

Micro-printing with the Pinpoint™ print head produces very fine characters (as small as 0.8mm) with high definition at very high speeds making it the ideal solution for very detailed, high quality printing on small surfaces with limited space.

## Pinpoint FreeForm™

Combining the best of Domino's technologies, discrete, accurate printing can be produced in near letter quality using the Pinpoint™ head.

# A quick tour around the A400 CP

High quality materials and construction

Interface to **Editor™ GT** controller for database data processing (up to 20 printers)

Fully integrated and coordinated range of accessories

Screen – set up of A400 CP

Ink + makeup reservoir

## Standard font

UPPER CASE AND lower case characters

7x5 SINGLE LINE ABCDEFGHIJKLMNOPQRSTUVWXYZ

7x5 TWIN LINE
ABCDE  123456  LARGE

## Pinpoint™

7x5 SINGLE LINE ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890

2M7ST40 - 7x5 TWIN LINE MIXED WITH 16 DROP LARGE

**Pinpoint™** print head delivers high definition micro-print capability

**SureStart** print heads give market leading start / stop performance with a wide range of options to fit in your tight spaces

# Technical Specification:

**A300**

**A400**

## Control Unit
• Control panel: membrane touch button

## Cabinet
• A300 - Stainless Steel (316) designed to IP55 (BS EN60529:1992) Cabinet Dimensions
• A400 - Stainless Steel (304) designed to IP53 (BS EN60529:1992) Cabinet Dimensions
• A300 - 245mm x 475mm x 725mm (9.6'' x 18.7'' x 28.5'')
• A400 - 560mm x 450mm x 375mm (22'' x 17.7'' x 14.8'')

## Weight
• A300 - 36kgs (79lbs)
• A400 - 34kgs (75lbs)

## Data Input Options
• Serial RS232
• Rate: 110 19.2k Baud, software configurable

## Ink Systems
• Automatic viscosity control
• Automatic ink bleed control (on startup)
• Automatically metered ink and makeup refill (825ml catridge)
• Optional Peltier

## SureStart Print Head
Standard
    Conduit length: 3m (9.84') standard or 6m (16.69') optional
    Nozzle size: 60μ or 75μ
Pinpoint
    Conduit length: 3m (9.84') standard or 4m (13.12') optional
    Nozzle size: 40μ

## Conduit bend radius: 65mm

## Heater: Standard
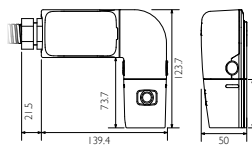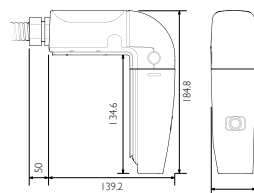
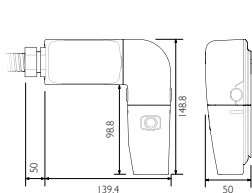## Positive Air Pump: Optional
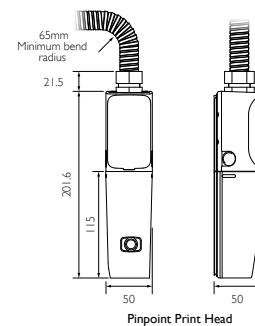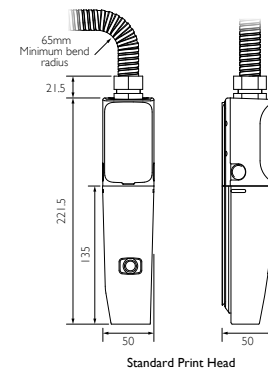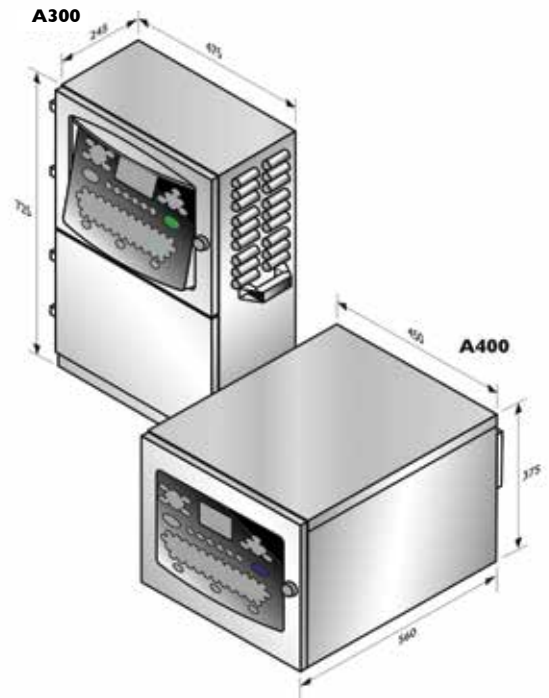
## Airdryer: Optional

## Environment
• Temperature range: 5 - 45°C (40 - 112°F) operating
• Humidity: 10 – 90% (non-condensing).

## Electrical Requirements
• Single phase, fully auto-ranging
• 90 – 132V/180 – 264V, 50/60Hz 200VA

## Connections
• Product detector – 12V 100mA for photocell or proximity detector
• Shaft encoder input – open collector or TTL encoder 12V
• Alarm beacon connector
• Auxiliary alarms connector
• User port connector

Standard Print Head

Pinpoint Print Head

Horizontal 90 Degree Print Head Installation Dimensions

Vertical 90 Degree Print Head Installation Dimensions

Horizontal 90 Degree Pinpoint Print head

# www.domino-printing.com

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