

# IP9200 Industrial VALVE 'DROP ON DEMAND' INKJET PRINTER



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The IP9200 is an industrially rugged valve 'drop on demand' inkjet printer ideal for non-porous industrial applications including extrusion and profile coding and marking.

- **NON-POROUS INDUSTRIAL APPLICATIONS**

- **LARGE LOW RESOLUTION CHARACTERS WITH HIGH VISIBILITY**

- **LOW COST & VERY ROBUST**

- **LARGE RANGE OF INK TYPES AND COLOURS INCLUDING NON-MEK**

- **QUICK INK COLOUR CHANGES**

- **NO MAINTENANCE**

Featuring a flexible menu driven software program, and a familiar QWERTY keypad, the IP9200 sets the market standard for ease of use.

A wide range of ink types and colours are available from bright white to carbon black with drying times from immediate to slow, ambient dependant.

Variable print heights between 7mm and 64mm are possible with print speeds in excess of 120ft/min.

Used stand-alone or linked to a PC, the IP9200 can control up to 2 printheads, and is small enough to be integrated onto most production lines.

**TYPICAL NON-POROUS APPLICATIONS**

- EXTRUSIONS & PROFILES
- CANS, CONTAINERS AND BOTTLES
- METALS
- GLASS
- PLASTICS



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**Large Ink Range** including standard dye based, high contrast pigmented, MEK, and environmentally friendly non-MEK formulas. A wide selection of colours from bright white to carbon black are available with drying times from immediate to slow, ambient dependant.

**Maintainability** Maintaining the IP9200 is as simple as purging the system after long periods of non use. The unique design of the IP9200 ink system eliminates the need for the use of a stirrer further reducing maintenance requirements.

**Fully featured** Menu driven software, multiple message storage, programmable drop sizes, time and date printing, logos and 2 fully programmable counter functions as standard.

**Print Features** The IP9200 prints real-time information including Julian Dates - essential for production quality traceability. Incrementing or decrementing number printing is possible for length marking.

**Variable height** Characters are made up from a 7 dot or 16 dot matrix with variable print heights between 8mm and 64mm depending on what printhead you use. The size of each character can be varied by a simple key stroke.

**High speed** The print speed range available for the IP9200 inkjet allows the system to cope with most production lines.

**Reliability** The IP9200 is a dedicated industrial coding system designed with the most demanding production environments in mind.

**Installation** The IP9200 is straight forward to install using a fully adjustable quick release bracket that can be mounted onto most conveyor systems.

**Flexibility** 1 or 2 printheads from 1 controller.

**Ease of use** Changing ink colour is quick and simple, just flush the system and detach the ink pipe from one bottle and attach to another. Messages are easily selected using the user friendly QWERTY keyboard.

## IP9200 Technical Data

### Printheads

7dot variable print heights between 8mm to 28mm  
16dot variable print heights between 15mm to 64mm  
Printhead orientation  
- Vertically up or down  
- Horizontal  
- Angled  
1 or 2 printheads per controller  
Line speed up to 1 metre per second

### Ink and Ink Supply System

Ink Capacities: 1 Litre, 4 litre, and gallon bottles.  
Ink Type: Water based, non MEK fast dry inks, pigment inks in a wide range of colours  
Shelf life: Up to 1 year

### Controller

Menu driven software  
Programmable drop sizes  
Built in QWERTY keyboard and display  
Non-volatile memory for message and parameter storage  
Real-time clock  
6 inputs  
2 outputs  
Shaft encoder and product detector inputs  
RS232 serial port  
50 -60Hz switch mode, power supply 100-240v AC, 0.8A

### Standard Software Features

105 message library (expandable)  
64 characters per line  
Comment line for quick message recall  
Keyboard password protection facility  
Unique programming language for on-site customisation  
Bolderised print  
Invert and reverse print  
Product and batch counters  
Real time clock including Day, Month, Year, Day of week, Julian week, Alpha day (eg Sat), Alpha month (eg. Aug), Hour and Minute  
Upper and lower case characters  
European characters  
Selectable languages

### Special Software available on request

### Options

Stand  
Mounting Bracket

### IP9200 Dimensions

**Controller:** 235mm wide, 173mm high, 54mm deep  
**Printhead:** 45mm wide, 45mm high, 150mm deep  
**Ink Supply System:** 194mm wide, 85mm high (without bottle) 180mm high (with bottle), 200mm deep

