



The ATD IP9000/2 is the next generation in the successful IP9000 series of impulse-jet printing systems.

Specifically developed for industrial and packaging applications with features that reflect impending coding and marking trends, the ATD IP9000/2 Lite system provides the solution to your printing needs.

- **INDUSTRIALLY RUGGED LOW MAINTENANCE SYSTEM WITH HIGH RESISTANCE TO VIBRATION AND SHOCK IMPACTS**
- **COMPACT DESIGN WITH FEATURES FOR OPTIMUM INSTALLATION INTEGRITY**
- **LOW COST ON-LINE PRINTING OF VARIABLE REAL-TIME**

INFORMATION AND LOGOS AT HIGH RESOLUTION - IDEAL FOR TRAY AND SECONDARY CASE CODING - REDUCE YOUR PRE-PRINT INVENTORY

- **EASY TO USE SOFTWARE INCLUDES ROUTINE FOR AUTOMATED PRINT SET-UP**
- **FLEXIBILITY TO INSTANTLY RESPOND TO CHANGES IN YOUR CODING & MARKING NEEDS**
- **BARCODE, INK UMBILICAL, AND IP65 VERSIONS AVAILABLE**
- **NON-MEK, NON FLAMMABLE, NON-HAZARDOUS INKS**

TYPICAL APPLICATIONS

- CARTON PRINTING AND CODING
- TRAY CODING
- OVER-PRINTING OF PRE-PRINTED SECONDARY PACKAGING
- UNIT PACK CODING
- MAILING AND ADDRESSING
- LABEL OVERPRINTING
- WEB & SHEET PRESS NUMBERING AND CODING
- SACKS AND BAGS
- TAG PRINTING
- PHARMACEUTICAL PACKAGING
- PLASTERBOARD MANUFACTURE
- PAPER MILLS
- CHIPBOARD/WOOD PRODUCTS
- CHEQUE CANCELLING
- TICKET PRINTING



INKJET
SYSTEMS

Designed for industrial use Simple to install, the IP9000/2 Lite system is industrially rugged and designed to cope with the most demanding applications and environments.

Reliable installations and consistent print quality Benefiting from an integrated printhead and ink reservoir guarantees consistent ink flow and a sturdy and compact design. Single point mounting provides a simple yet extremely robust installation.

Minimal maintenance with low cost printing The ATD IP9000/2 Lite printhead requires only the occasional wipe of the inkjet nozzles, and with the unique Smart-prime™ feature reducing ink consumption, is the most economical inkjet in its class. With no moving parts there are no costs due to wear and tear and further savings are seen as there are no valves or filters to maintain or replace.

Automated print set-up Select between 12mm, 24mm, 36mm, and 48mm print heights by simply clicking the printhead into pre-set positions. Then use the quick and simple auto-calibration software routine that sets the required characteristics of the printed message for you - other print heights are easily selected by simply angling the printhead.

A wide range of applications Printheads are available in the 'Lite' format (horizontal print direction only) or with an ink umbilical for omni-directional printing, there is also a dedicated barcode printhead. All are capable of on or off-line high speed printing, and all printheads are sealed to IP54 rating as standard (IP65 available upon request). Options include the ATD IP9800 an easy to use PC system that can control multi-head applications and a turn-key barcoding station.

Reflecting impending coding and marking trends The ATD IP9000/2 Lite gives you flexibility with reliability. Print up to 4 lines of text per printhead, integrate variable information with high quality logos, graphics and barcodes and print more information in less space. Respond quickly to changes in your coding & marking needs using the automated print set-up routine or download information direct

from a database or PLC. Control multi-head applications from 1 PC using the ATD IP9800 system software, or use the standard fully featured menu driven software with multiple message storage.

With low ink consumption, no ink top-up solutions and the use of non-hazardous non-MEK inks, costly ink storage requirements and extra administration costs are avoided, keeping your total running costs to a minimum.

IP9000/2 Technical Data

Printheads

Solid state impulse-jet
Horizontal printhead orientation
1mm to 10mm distance from substrate (depending on line speed)
Distance to controller: 3 metres standard
1 or 2 printheads from 1 controller
1 to 4 lines of text per printhead
Text height variable from 3mm to 48m



Controller

Menu driven software
Built in keyboard and display
Wall or bench mounting
Non-volatile memory for message/parameter storage
40 message library (expandable to 300 messages)
8 opto-isolated inputs for external message selection
8 opto-isolated outputs
Shaft encoder and product detector inputs
RS232 Serial Port
Optional 2nd RS232 Serial Port
Optional Centronics Parallel Port
Switch mode Power Supply (UL, VDE & BS approved)
All electrical I/O fully isolated for maximum noise immunity

Ink and Ink Supply System

Non pressurised ink supply system
Plug-in disposable bottle (500cc & 125cc)
Ink replacement whilst printing
Low ink warning
Smart-prime™ unique quick purge facility
Ink type: Oil based non-hazardous, non flammable
Various formulation for different surfaces. Coloured and fluorescent inks available

Standard Software Features

5, 9, 14 and 32 dot fonts (1,2,3, or 4 lines of text)
Bolderised print
Inverted and reverse print
Product and batch counters
Real-time clock including Year, Month, Day, Day or week, Julian day, Julian Week, Alpha day (e.g. SUN), Alpha month (e.g. AUG), Hour, Minute
Automatic date offset (for Best Before coding)
Programmable 'roll over' time for shift changes
Barcodes (including human readable characters)
Logo (permanent)
Images (user programmable logos)

Options

Ink warning beacon
Stand
IP9800 Logo Designer Software for PC or compatible
IP9000 Barcoding Station

Dimensions:	Width	Height	Depth
Controller	390mm	290mm	110mm
Printhead	119mm	46mm	136mm
Ink supply	122mm	85mm	180mm