# IP9000 SOLIDJET CODER

ATD INKJET SYSTEMS

## The next generation small character ink jet printer!

**Specially developed as an alternative to Continuous Ink Jet Technology and Direct Thermal Transfer -** the ATD SOLIDJET coder provides sharp, high contrast print with mess free, instant dry, solid ink.

**With character sizes from 1mm to 48mm**, the SOLIDJET coder is suitable for a wide range of applications including:

**FOOD PACKAGES**
- PLASTIC WRAPPERS
- CEREAL PACKS
- FROZEN FOOD PACKS
- PLASTIC FILMS
- WAXED CARTONS
- SHRINK-WRAP
- CONFECTIONARY WRAPPERS
- MEAT PACKS
- BAKERY WRAPPERS
- LABEL OVERPRINTING
- CAPS

**PHARMACEUTICAL**
- PILL PACKING
- BANDAGE WRAPS
- BLISTER PACKS

**HOUSEHOLD**
- TOILETRIES
- DETERGENTS
- CLEANERS

**INDUSTRIAL**
- TIMBER
- CONCRETE
- PLASTICS
- TEXTILE

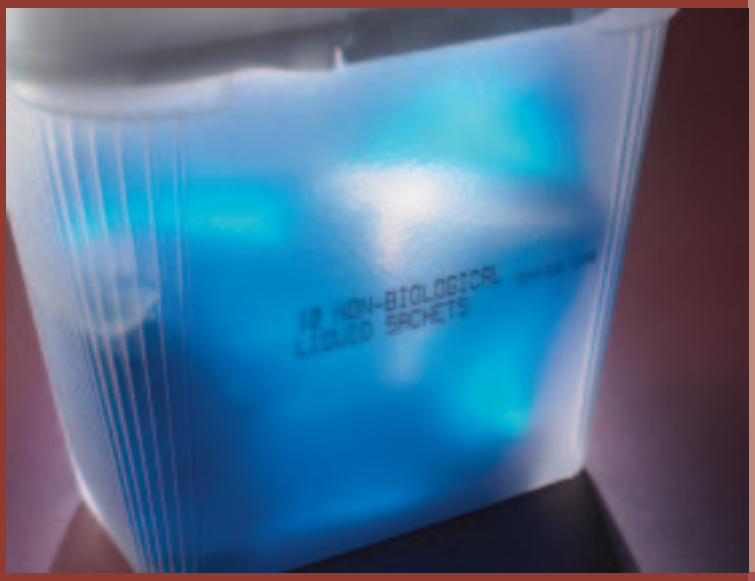
*Waxed card*

*Plastic*

*Foil packs*

*Plastic film*

INKJET
SYSTEMS



## SOLIDJET Technical Summary

**Image Height:**
*1mm to 11mm (Full Density Characters) - (15° Angle)*
*11mm to 48mm (Gapped Characters) (15° to 90° Angle)*

**Print Resolution:**
*Vertical: 240 DPI*
*Horizontal: 150 - 300DPI*

**Number Of Addressable Channels:** *32*

**Number of Orifices:** *192 - 6 per channel*

**Max Lines of Print:** *4*

**Max Speed:** *10 Khz, equates to linear speeds in excess of 3m/sec.*

**Print:** *Side On Orientation (Lite configuration ONLY)*

**Controller:** *Can be driven from the standard IP9000 or the IP9000 Graphics controllers*

**Number of Print Heads:** *1 or 2*

**Print Head Running Temperature:** *115° C*

**System Heat Up Time:** *15-20minutes from cold. From sleep mode 5-10 minutes.*

## Key user benefits:

**Industrially rugged design**

**No factory air**

**No high pressures,** no filter changes

**No daily maintenance** required

**No filter changes**

**No start up/shut** down routine - just on and off

**Simple menu** driven software

**1-4 lines of text**

**Real time** and date and barcodes

**Special characters** and logos

**Print throw distance** up to 10mm

**Very high speed** in excess of 180m/min (540 ft/min)

**No recalibration** to maintain print quality

**Very low running costs** compared to CIJ and Thermal transfer systems

**Completely safe inks in solid pellet form.** Non toxic, non flammable, And odourless

**Instant dry inks**

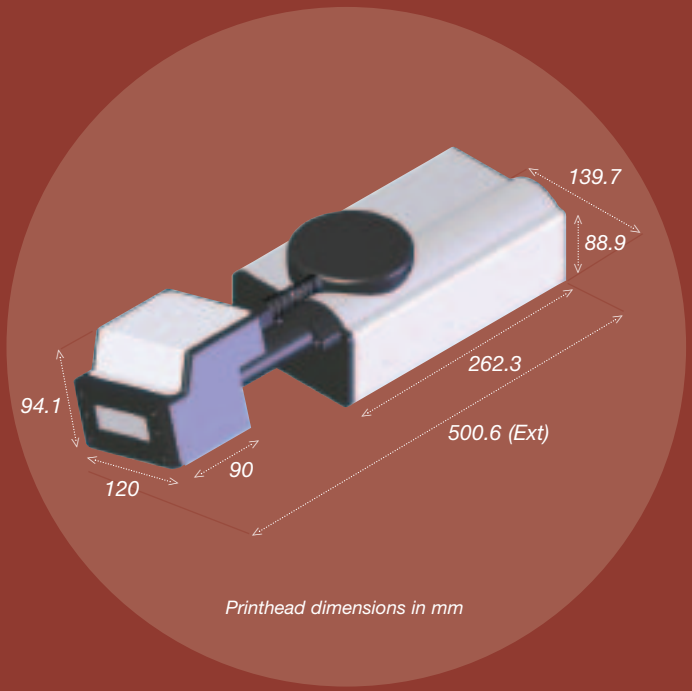
**No solvents**

**No cleaning solutions**

**No wet spillages**

**No hazardous storage or handling**

**3 Year unmatched product warranty.**




*Printhead dimensions in mm*

**Controller**
*Menu driven software*
*Built in keyboard and display*
*Wall or bench mounting*
*Non-volatile memory for message/parameter storage*
*250 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*
*Ink supplied in 40cc solid pellets*
*Ink replacement whilst printing*
*Low ink warning*
*Smart-prime™ unique quick purge facility*
*Ink type: Wax*

**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)*

**Applied Technology Developments Ltd.** Unit K1, Valley Way, Welland Business Park, Market Harborough, Leicestershire LE16 7PS. Tel: 01858 461014. Fax: 01858 461015. Email: mail@atduk.com **www.atduk.com**