



automation & control pvt. ltd.



TIJ PRINTING SOLUTIONS

Explore the new possibilities of-
HP 2.5 TIJ Printing Technology





COMPANY OVERVIEW

Utopia Group is well - diversified business house that prides on creating globally acknowledge Technology for Mission Critical Applications. Serving the industry since 1997, Utopia has worked with the Single- Minded pursuit of giving best value for customer's Investment.

Inspired by the vision of bringing High - End Technology within everybody's reach, Utopia has pioneered futuristic and cost effective solution in-

- ◆ TIJ Coding
- ◆ Machine Vision
- ◆ Track & Trace

Creating new benchmarks through innovation & achieving excellent cost control through Indigenous Manufacturing, today Utopia has evolved into a Highly Credible Brand. We are a trusted manufacturer and innovator supported by strong R &D, offering unrivaled expertise in Fundamental Technology Development, System Engineering and Integration. Driven by R&D, Inspired by Technology- We believe In sharing our Expertise to make you an Expert. Backed by Hp's legendary TIJ 2.5 technology, Utopia offers an unmatched printing experience for a variety of applications.

Industry Verticals -

Pharmaceuticals/Health Care , Printing Industry (VDP) , Food & FMCG, Beverages / Breweries , Dairy
Condoms, Cosmetics, Toiletries, Decorative / Laminate

HP TIJ 2.5 TECHNOLOGY :

In the thermal ink jet process, the print cartridges consist of a series of tiny chambers, each containing a heater, all of which are constructed by photolithography. To eject a droplet from each chamber, a pulse of current is passed through the heating element causing a rapid vaporization of the ink in the chamber and forming a bubble, which causes a large pressure increase, propelling a droplet of ink onto the paper.

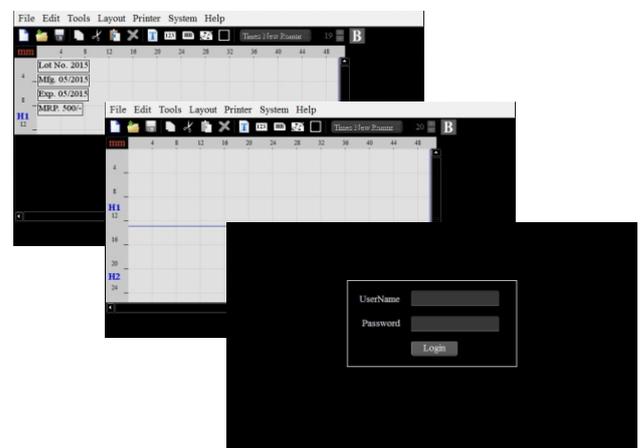
UTOJET SERIES BY UTOPIA :

Backed by HP's legendary TIJ 2.5 technology, Utopia offers an unmatched printing experience for variety of applications.

- ◆ Great Printing Quality Up to 600x600 DPI
- ◆ High Speed Printing Up to 76 Meters/Min
- ◆ Higher throw distance up to 5mm
- ◆ Nozzle switching and self-cleaning capabilities to extend cartridge lifetime
- ◆ USB port to Add logos, Fonts and to update firmware
- ◆ Wide range power supply for World wide Use
- ◆ Circuit protection for quick cartridge changeover
- ◆ Several Printing Head configurations to suit a range of applications
- ◆ Easily adjustable for top & side Printing
- ◆ Skid plate makes both direction printing Possible
- ◆ Anti-shock mounting mechanism for printer protection

UTODRAW :

- ◆ Utopia's Label Drawing Software
- ◆ User Friendly GUI to Add, Edit & Delete Print Jobs
- ◆ Print Orientation: Rotate at 90°, 180°, 270° & Mirror Text/Image
- ◆ Print Direction: Left/Right
- ◆ 60 to 600 DPI selection to Balance between Quality, Speed & Cost
- ◆ Supports True Type Fonts (TTF) and the Unicode character set



UTOJET 100 SERIES

Economical Coder ideal for Static Printing Jobs

FEATURES

- ◆ Printer Controller with Inbuilt Print Head
- ◆ Available with Single & Two Printing Head Variants
- ◆ Printing Job Transfer through USB & Wi-Fi
- ◆ Inbuilt Sensor & Provision for External Sensor
- ◆ Connectivity to Encoder/ Synchronizer to auto Adjust the Printing Speed



UTOJET 150 SERIES

Compact & Stand Alone Coder for General Coding Needs

FEATURES

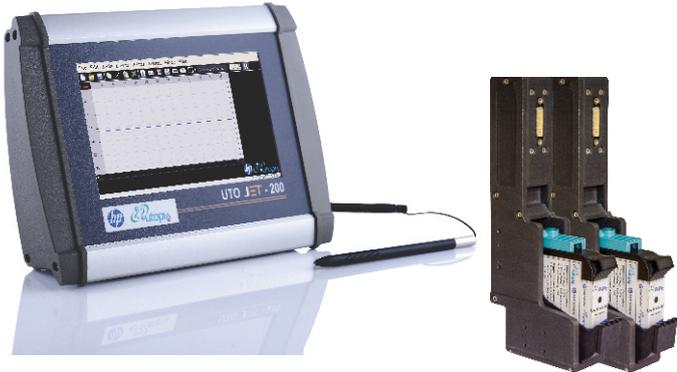
- ◆ Compact & Lightweight Controller with Inbuilt Print Head
- ◆ Stand Alone Operation with 2.8 inch Capacitive Touchscreen
- ◆ Printing Job Transfer through USB & Wifi
- ◆ 100 Messages Storage Capacity
- ◆ Built in & Adjustable Object Sensor and Provision for External Sensor
- ◆ Connectivity to Encoder/Synchronizer to auto Adjust the Printing Speed

PRINTING SPECIFICATIONS

PARAMETER	UTOJET 100 PH1	UTOJET 100 PH2	UTOJET 150 PH1
No. of Pen(s)	1	2	1
Max. Print Height	12.7mm	25.4mm	12.7mm
Max. Font Height	12.7mm	25.4mm	12.7mm
Max. Printing Length	2700mm	2700mm	300mm
Dimensions	85 x 109 x 130 (L x W x H in mm)	117 x 109 x 130 (L x W x H in mm)	70 x 88 x 115 (L x W x H in mm)

UTOJET 200

Printer with Touch Screen for on the Complete Localized Print Control



- ◆ Printer Controller with 7 inch Touchscreen HMI
- ◆ Adjustable Screen for Easy Operation & Monitoring
- ◆ 100 Message Storage Capacity
- ◆ Upto 4 Print Heads Can be connected individually or Together
- ◆ Inbuilt Sensor and Provision for External Sensor
- ◆ Connectivity to Encoder/Synchronizer to auto Adjust the Printing Speed

UTOJET 300

Versatile & High Performance Printer with Variable Data Printing Ability

- ◆ Can Be operated through Customer Provided PC
- ◆ Optional 15" Touch Screen HMI for Regulated Industries
- ◆ Up to 32 Print Heads Can be connected individually or in cluster of 2 & 4
- ◆ Provision for External Sensor
- ◆ Connectivity to Encoder/Synchronizer to auto Adjust the Printing Speed
- ◆ Facility for Printing from Database File
- ◆ Real Time Printing from External Source
- ◆ 3 Level Password Protection
- ◆ User Report Generation
- ◆ 21 CFR Part 11 Compliant



PRINTING SPECIFICATIONS

PARAMETER	PH1	PH2	PH4
No. of Pen(s)	1	2	4
Max. Print Height	12.7mm	25.4mm	50.8mm
Max. Font Height	12.7mm	25.4mm	50.8mm
Max. Printing Length	800mm	800mm	800mm
Dimensions	39 x 70 x 206 (L x W x H in mm)	65 x 85 x 206 (L x W x H in mm)	132 x 109 x 206 (L x W x H in mm)

PRINTING CAPABILITIES

Capability	UTOJET 100	UTOJET 150	UTOJET 200	UTOJET 300
Alphanumeric Text	✓	✓	✓	✓
Shift Code	✗	✓	✓	✗
Real Date & Time	✗	✓	✓	✓
Auto Expiry Date	✗	✓	✓	✗
Auto Julian Date	✗	✓	✗	✗
Serial No.	✓	✓	✓	✓
Repeat No.	✓	✓	✓	✓
Skip No.	✓	✓	✓	✓
Static Barcodes	✓	✓	✓	✓
variable Barcodes	✗	✗	✗	✓
Logos & Graphics	✓	✓	✓	✓

INK CARTRIDGES



Utopia offers A wide range of Portfolio of Genuine Inks to suit your Requirements.

- ◆ Porous Substrates - UTBLACK-333
- ◆ Semi Porous Substrates - UTBLACK- 777 , UTBLACK- 4444
- ◆ Non Porous Substrates - UTBLACK- 555, UTBLUE-7010, UTBLACK-5051
- ◆ UV Curable Inks , Invisible Inks
- ◆ Ink Cartridges available in Colors - Black, Blue, Red, Green

BULK TANK

Robust & Flexible Bulk Ink Delivery System for High-Volume printing Applications.
Superior Print Quality,
Lowest cost per Print with minimal User intervention.

- ◆ Easy mounting of ink cartridges
- ◆ Reliable ink delivery
- ◆ Electronic interfacing to the bulk ink cartridge
- ◆ Ink level sensing



TECHNICAL SPECIFICATIONS :

Sr.No.	Parameter	UTOJET 100	UTOJET 150	UTOJET 200	UTOJET 300
PRINTING SPECIFICATIONS					
1	Message Storage	100	100	100	160
2	Max Characters/Line	70	80	100	200
3	Max Characters/Message	300	500	2800	11200
4	Printing from Database File	No	No	No	Yes
5	Printing from External Source	Wi-Fi	Wi-Fi	No	Database
CONNECTIVITY					
6	USB	Yes	Yes	Yes	Yes
7	Wi-Fi	Yes	Yes	No	No
8	Ethernet	No	No	No	Yes
9	RS 232	No	No	No	Yes
INTERFACE					
10	Touch Screen	No	2.8 Inch	7 Inch	15 Inch <small>(Optional)</small>
11	External Keyboard	No	Yes	No	Yes
12	Sensor	Yes	Yes	Yes	Yes
13	Encoder	Yes	Yes	Yes	Yes
14	Alarm Kit	Yes	Yes	Yes	Yes
SMART FEATURES					
15	Cartridge Recognition	Yes	Yes	Yes	Yes
16	Ink Level Indicator	No	No	Yes	Yes
17	External Device Recognition	Yes	Yes	Yes	Yes
18	Nozzle Switch	Yes	Yes	Yes	Yes
19	Auto Cleaning	Yes	Yes	Yes	Yes
OPERATION					
20	Password Protection	Yes	Yes	Yes	Yes
21	Audit Log	No	Yes	No	Yes
22	Real Time Report	No	Yes	No	Yes
POWER SUPPLY					
23	Rating	230 V	230 V	230 V	230 V
24	Device	SMPS	Adapter	SMPS	SMPS
25	Circuit Protector	Yes	Yes	Yes	Yes
ENVIRONMENTAL CONDITIONS					
26	Temperature	15° to 40°	15° to 40°	15° to 40°	15° to 40°
27	Humidity	35 to 70	35 to 70	35 to 70	35 to 70

ADVANTAGE UTOPIA

OEM Partner of HP USA

Tech-Advantage

- ◆ State of the art R & D and Manufacturing Facility
- ◆ Highly reliable Products
- ◆ Customization for strategic Customer
- ◆ Offering Upcoming Technologies &
- ◆ Innovative Products

Commercial Advantage

- ◆ Optimum Pricing
- ◆ Lean Supply Chain

Better and Faster Service Support

- ◆ Prompt Remote Assistance
- ◆ Online Guidance
- ◆ Over the Phone Tech Support
- ◆ Genuine Spares
- ◆ Quick supply of Consumables
- ◆ Service Infrastructure across the nation



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