

# Continuous InkJet Printer

Versatile and cost-effective coding solution suitable for nearly every application.



Solvent-Resistant Touchscreen  
with Icon-Based User Interface

Operators learn in hours, not weeks

IP 65 rated, rugged construction

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# The Next Generation Printer for Several Coding Needs

Using world-class technology, the GIR and Sundarban are built keeping the Indian factories in mind.

The Control Print GIR and SUNDARBAN are Continuous Inkjet Printers based on a non-contact precision marking technology.

Its ability to handle an entire range of high-performance inks makes this solution the most versatile coding technology. Suitable for an entire range of variable data coding applications. Possibilities include the application of Dates, Logos, Barcodes, Lot Numbers, Longer Texts, Graphics and Pricing information.



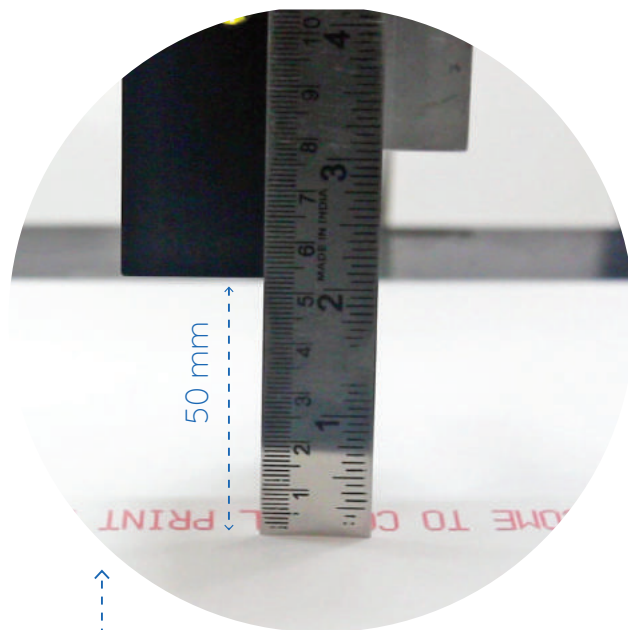
## Reliability

- ☑ Fully stainless steel design
- ☑ IP65 protection class
- ☑ In-built battery backup for proper shutdown in a power outage
- ☑ Dual PTFE based, medical device grade diaphragm pumps, for pressure and suction
- ☑ Visual ink jet monitoring through an integrated stroboscopic magnifying glass
- ☑ Only five valves in the entire system; no valves in the printhead
- ☑ Periodical ink care cycles for pigmented inks even when the printer is in the off state
- ☑ Auto flush protection for safe shutdown and smooth restart
- ☑ Make up recovery system for dramatically reduced solvent consumption which results in very low running cost. (Available only in [Sundarban](#) model)



## Ease of Use

- ☑ Solvent Resistant TFT Touch screen with Graphic User Interface
- ☑ What-you-see-is-what-you-get interface helps to reduce the operational errors
- ☑ Selection of local and foreign languages for the touchscreen interface
- ☑ Automatic error diagnostics for cautions and easy troubleshooting
- ☑ User profile manager with multiple levels of access

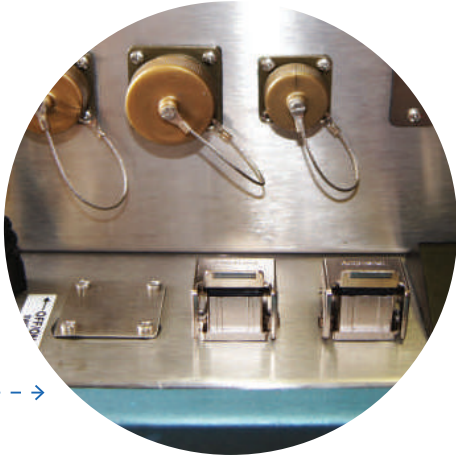


## Print Quality & Features

- ☑ Industry-leading 50 mm throw distance
- ☑ Speeds of up to 600 meters per minute
- ☑ Possibility to print 8 lines with industry-leading vertical resolutions of 48 Pixels
- ☑ Print in any line configuration, and even on curved irregular print surfaces
- ☑ As a standard feature allows to code in any language including foreign & local Indian languages
- ☑ Solvent flushing of Nozzle and Return Line in every shutdown and smooth start up is guaranteed
- ☑ Shutter protection to safeguard Nozzle and Ink lines from environmental exposure

## Technical Specification

Difference highlighted in yellow color



### Flexibility, Communication & Integration

- ☑ Compact footprint and small printhead size
- ☑ LAN / USB / RS 232 (optional) port for communication
- ☑ Network capable through a wireless adapter
- ☑ Digital I/O port with 8 inputs and 4 outputs
- ☑ 4 colour signal beacon - optional
- ☑ Remote socket
- ☑ Potential free programmable alarm relay
- ☑ Inbuilt software capability for direct communication with camera or Datamatrix barcode a camera scanner, database access, or other requirements



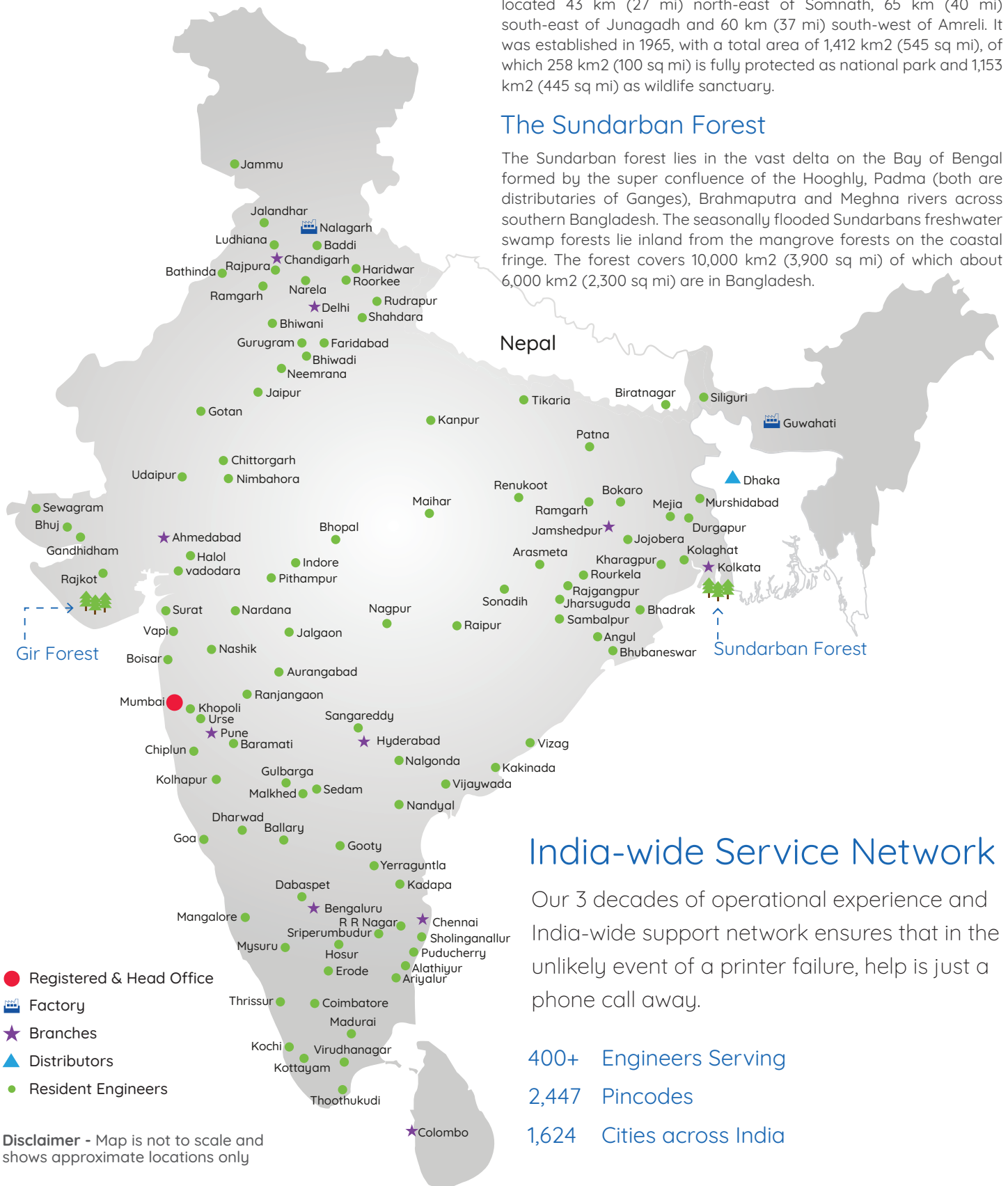
	GIR	SUNDARBAN
Display	8" TFT-Touchscreen Display 800 x 600 pixel resolution firmly integrated	8" TFT-Touchscreen Display 800 x 600 pixel resolution firmly integrated
Housing Material	Stainless Steel	Stainless Steel
Protection Class	IP 65	IP 65
Dimensions of Unit	590 x 320 x 320 mm incl. of terminal	590 x 320 x 320 mm incl. of terminal
Weight	216 x 40 x 42 mm	216 x 40 x 42 mm
Dimension of Print head	26 Kgs	26 Kgs
Length of print head supply line	3 meter (optional 4 m or 6 m)	3 meter (optional 4 m or 6 m)
Electrical Connection	100-240VAC 1.4 Amp 50/60 Hz Output 30VDC 2.5Amp 75 W	100-240VAC 1.4 Amp 50/60 Hz Output 30VDC 2.5Amp 75 W
Operating Temperature	+5 deg C to + 50 deg C (Dep. On ink)	+5 deg C to + 50 deg C (Dep. On ink)
Relative air humidity (Max)	90% non condensing	90% non condensing
Compressed air required	No	No
Number of print heads	1	1
Interfaces	Internal Ethernet, RS 232 (optional), 2 x parallel inputs (product sensor, encoder) Remote-socket or 4-color alarm-beacon, USB	Internal Ethernet, RS 232 (optional), 2 x parallel inputs (product sensor, encoder) Remote-socket or 4-color alarm-beacon, USB
Nozzle Size	55µm & 70µm	55µm & 70µm
Alarm output	Yes	Yes
Switchover of text via IO port	Yes	Yes
Ink Circulation / Stirrer	Yes, for Pigmented inks	Yes, for Pigmented inks
Print head excess pressure term	Optional	Optional
Revolutionary Nozzle anti clogging system	Yes	Yes
<b>Make up Recovery System</b>	<b>No</b>	<b>Yes</b>
Print head Clearance	1 – 25 mm	1 – 25 mm
Font Size	0.8 – 20 mm	0.8 – 20 mm
Number of print lines	Up to 5 Lines of 5x5 matrix (STD). Up to 8 lines (Optional)	Up to 5 Lines of 5x5 matrix (STD). Up to 8 lines (Optional)
Print resolution	32 dots, better resolution (STD). 48 Dots Optional	32 dots, better resolution (STD). 48 Dots Optional
Tower print	5 x 5 (other sizes available)	5 x 5 (other sizes available)
90 deg printing	Yes	Yes
Distance measurement	Optional	Optional
Customer – Specific programs	Yes	Yes
Ink	Dye-Based, Soft Pigmented & Pigmented	Dye-Based, Soft Pigmented & Pigmented
Job function	Print Labels for different SKU with its respective print settings can be saved as Job function	Print Labels for different SKU with its respective print settings can be saved as Job function

## The Gir Forest

Gir National Park and Wildlife Sanctuary, also known as Sasan Gir, is a forest and wildlife sanctuary near Talala Gir in Gujarat, India. It is located 43 km (27 mi) north-east of Somnath, 65 km (40 mi) south-east of Junagadh and 60 km (37 mi) south-west of Amreli. It was established in 1965, with a total area of 1,412 km<sup>2</sup> (545 sq mi), of which 258 km<sup>2</sup> (100 sq mi) is fully protected as national park and 1,153 km<sup>2</sup> (445 sq mi) as wildlife sanctuary.

## The Sundarban Forest

The Sundarban forest lies in the vast delta on the Bay of Bengal formed by the super confluence of the Hooghly, Padma (both are distributaries of Ganges), Brahmaputra and Meghna rivers across southern Bangladesh. The seasonally flooded Sundarbans freshwater swamp forests lie inland from the mangrove forests on the coastal fringe. The forest covers 10,000 km<sup>2</sup> (3,900 sq mi) of which about 6,000 km<sup>2</sup> (2,300 sq mi) are in Bangladesh.



## India-wide Service Network

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