

Laser Printer

Modular laser with FIBER and CO2 technology. They are powerful and fast; thus, they are designed to meet the most demanding coding requirements.



FIBER Laser Printer

Modular laser specialized
in coding quickly and more reliable

Extremely reliable coding at
high speeds

Suitable for industries with strict
hygiene standards



CO2 Laser Printer

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Versatility Meets the Laser Coding Technology

Print That Lasts As Long As Your Product

Modular laser F-30 work with FIBER technology whereas Modular laser C-30 and BT-C-30 work with CO2 technology. They are powerful and fast; thus, they are designed to meet the most demanding coding requirements. F-30 laser allows to work on Metal, Laminates, Plastics, Cables and C-30 laser allow to work on paper, cardboard, glass. Both variants work well on a wide range of plastics, and that is why they are the most used by industrial and packaging manufacturers.

Control Print offers a wide range of power, speeds, and optional features to choose the equipment that best suits your company.

Reliability and Precision

- ☑ It follows the IP regulation ensuring reliability in dusty and humid environments.
- ☑ CO2 Lasers are cooled by the RAF* Reverse Air Flow circuit, which keeps it clean.
- ☑ The lenses receive a constant airflow that keeps them free from dust and impurities that can distort the marking.
- ☑ Equipped with premium lenses to ensure high-resolution marking even on high-speed production lines.
- ☑ All our Laser printers work through a combination of extremely fast mirror tracking systems for marking. Beam expander technologies are used to enhance power concentration resulting in improved print quality.

Self-developed embedded touch panel laser dynamic control system for F-30 Laser

- ☑ Using DSP chip real-time positioning of 10 microseconds, to ensure the marking speed and accuracy to reach the best.
- ☑ Anti-surge and power backup function, in harsh environments, but also stable work.
- ☑ Memory 16 Group marking trigger location, easy to install photoelectric switch, speed up the assembly line, reduce missed opportunities.

Versatility and Connectivity

- ☑ The modular system allows you to easily adapt the laser to the needs of each production line or type of marking.
- ☑ All our Laser printers can work individually but they can also work in a team: REMOTE CONTROL to set the device remotely by a Control Print technician.
- ☑ Its modular design makes it easy to perform tasks such as installing lenses, changing heads and printing on curved or uneven surfaces in 360 degrees using BTU & BEU printing options.

Ease of use and Adaptability

- ☑ The needs of production lines change (more speed, new materials, more complex graphics and messages, etc.), which is why Control Print gives you a wide range of essential and extra accessories to optimize the laser's performance and allow it to be optimally integrated into the needs of your production line.
- ☑ Control Print user friendly software is easy to use and offers the operator all the possibilities to design messages and control the equipment.
- ☑ Wide range of essential accessories and extras, which optimize laser performance.

Flexibility, Communication & Integration

- ☑ Seamless weighing scale integration
- ☑ Easy to setup and integrate onto almost any production line
- ☑ Customize footprint and small print head size with BEU technology.
- ☑ LAN / USB / Various I/O function / RS 232 port for communication
- ☑ Graphics, Logos and more downloadable via USB or LAN
- ☑ Max. Lens size options can be controlled through one controller.
- ☑ 4 color signal beacon
- ☑ Potential free programmable alarm relay
- ☑ Inbuilt software capability for direct communication with camera or data matrix barcode camera scanner, database access, or other requirements

Font Editor

- ☑ Each character of the fonts can be manually modified and aligned to the application requirement In order to prevent pin holes , the points of intersections and deep markings can be adjusted on the font data.

Environmentally Friendly

- ☑ Laser technologies is environmentally friendly as it reduces the need for consumables, avoid generation of harmful emission and energy consumption is kept to a minimum.

Technical Specification

Model	Fiber Laser Printer	CO2 Laser Printer
Speed	6,000 mm/Sec	6,000 mm/Sec
Laser type	Fiber	CO2
Laser Wavelength	1,064 nm	10.6 μm / 10.2 μm / 9.3 μm
Laser Power	30W, 50W	30W, 60W
Lens Marking Size	100 x 100 mm	70 x 70 mm
Character Height	Min 0.8 mm	Min 0.8 mm
Fonts type	Vector / Crystal / Arial	Vector / Crystal / Arial
Optional Marking Size	Upto 250 x 250 mm	Upto 150 x 150 mm
User Interface	Touch Screen	Touch Screen
Marking Software	CPL V2.0	CPL V2.0
Laser Head	Customised Head	Customised Head
Laser Type	IP65 (Optional) ¹ and IP54 (Standard) ²	IP65 (Optional) ⁴ and IP54 (Standard) ⁵
BTU / BEU	(Optional) ³	(Optional) ⁶
Weight and Size	28 Kg, 628 x 86 x 96 mm	28 Kg, 176 x 150 x 723.5 mm
Conduit Length	3 Mtr Standard, 5 Mtr Optional	3 Mtr Standard, 5 Mtr Optional
Product Detect Inputs	NPN / PNP Sensors	NPN / PNP Sensors
Product Speed Detect	Rotary Encoder	Rotary Encoder
Signal Inputs / Output	MB, MR, ME	MB, MR, ME
Interfaces	RS232, RS485, TCP IP	RS232, RS485, TCP IP
Electrical Requirements	AC200 to 240 V ± 10 % (50 Hz)	AC200 to 240 V ± 10 % (50 Hz)
Controller	AC200 to 240 V ± 10 % (50 Hz)	AC200 to 240 V ± 10 % (50 Hz)
Laser Head Supply	+15, -15 VDC	+15, -15 VDC
Environmental Standard	5 to 60 °C	5 to 60 °C
Operating Humidity	35 to 95 % RH	35 to 95 % RH

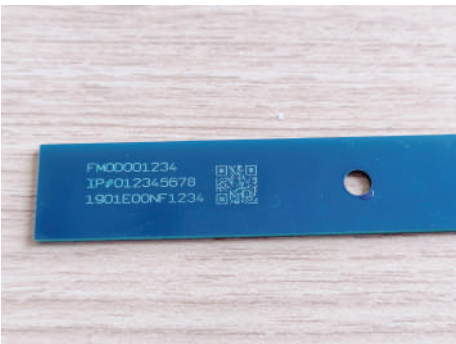
- 1 - Available in **Neemrana** model

2 - Available in **Jaigarh** model

3 - Available in **Roha** model
- 4 - Available in **Bekal** model

5 - Available in **Tikona** model

6 - Available in **Torna** model



Jaigarh Fort

Jaigarh Fort is situated on the promontory called the Cheel ka Teela (Hill of Eagles) of the Aravalli range Rajasthan, India. The fort was built by Jai Singh II in 1726 to protect the Amer Fort and its palace complex.

Roha Fort

Roha Fort is one of the many forts of Kutch, Gujarat. The fort is located on the periphery of Roha village, in Nakhatrana Taluka of Kutch. It covers almost an area of 16 acres and it is connected by main road.

Neemrana Fort

Neemrana is an ancient historical town in Alwar district of Rajasthan, India. It is the site of a 15th-century hill-fort occupied by Chauhans till 1947.

Tikona Fort

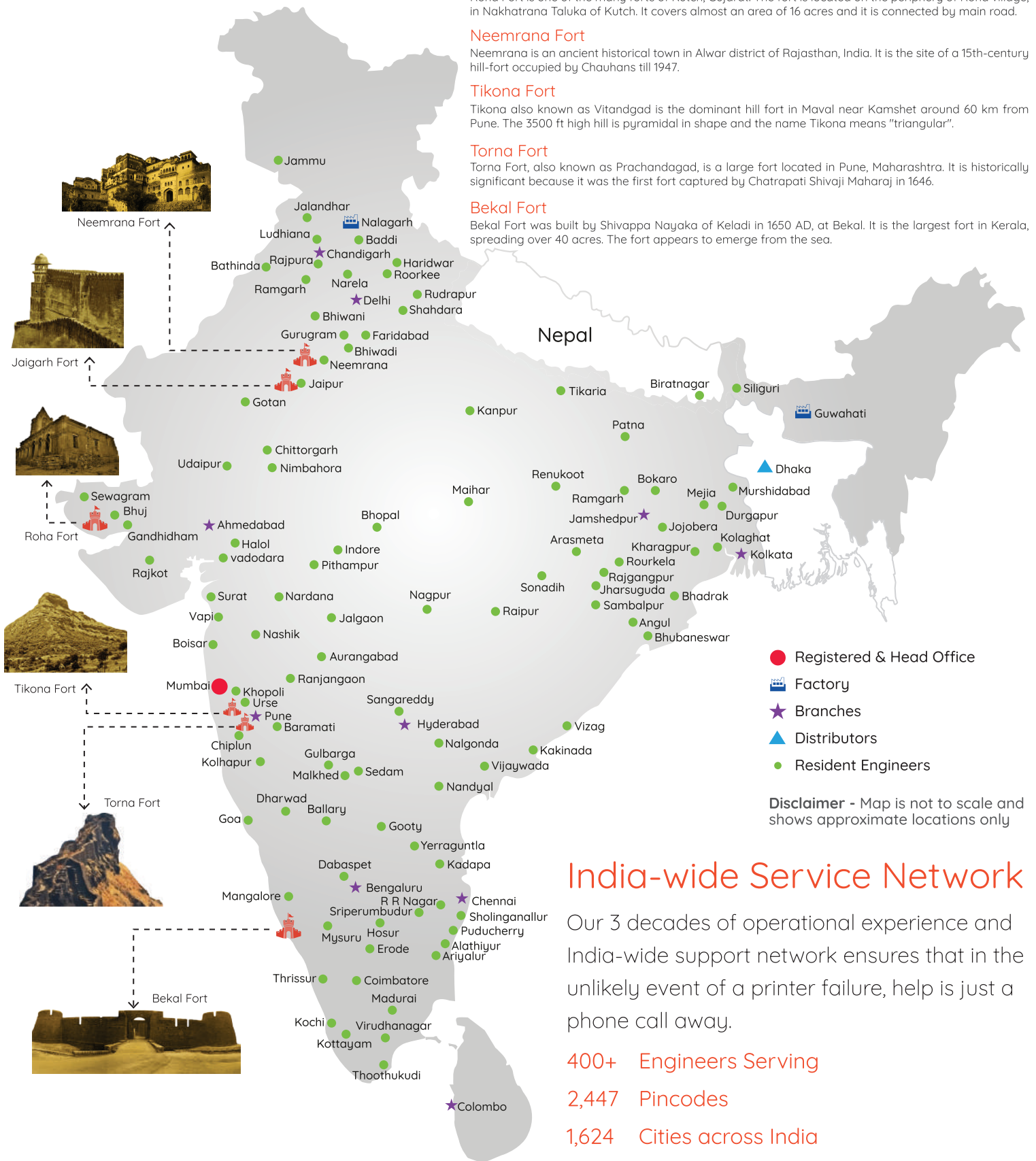
Tikona also known as Vitandgad is the dominant hill fort in Maval near Kamshet around 60 km from Pune. The 3500 ft high hill is pyramidal in shape and the name Tikona means "triangular".

Torna Fort

Torna Fort, also known as Prachandagad, is a large fort located in Pune, Maharashtra. It is historically significant because it was the first fort captured by Chatrapati Shivaji Maharaj in 1646.

Bekal Fort

Bekal Fort was built by Shivappa Nayaka of Keladi in 1650 AD, at Bekal. It is the largest fort in Kerala, spreading over 40 acres. The fort appears to emerge from the sea.



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