



India's largest manufacturer of Digital Inkjet Printers

METRO NXT (with Hot Air Dryer)

SITE READINESS DOCUMENT

Prerequisites for METRO NXT:

Contents:

1. Power Supply
2. Water Supply
3. Air Supply
4. Computer Specifications
5. Environment Specifications
6. Light Specifications
7. Machine Dimensions

Power Supply

- **Printer**
 - **Print Engine:** Total Wattage: 4500Watts @ 220Volts AC 50Hz, Sinewave
 - Uninterrupted power supplies (flicker free) should be provided as it has digital circuit.
 - Safety: 32A MCB must be used to Power this Inlet.
 - **Belt Dryer:** Total Wattage: 8000Watts @ 220Volts AC 50Hz, Sinewave
 - Continuous (5 Sec break acceptable in 60 Secs) power supplies required.
 - Safety: 40A MCB must be used to Power this Inlet.
- **Hot Air Dryer:** Total Wattage: 48000Watts @ 380Volts AC 50Hz, Sinewave
 - Uninterrupted power supplies (flicker free) should be provided as it has digital circuit.
 - Safety: 75A MCB must be used to Power this Inlet.
- Recommended wire gauge is 10 sq mm.
- Exclusive Earthing should be required for printer and it should not be shared with UPS & Building's common Earth.

Water Supply

Water Specifications are given as follow:

Conductivity	< 300 μ S/cm a 20°C
pH	6.5 < pH < 8
Total hardness	< 200 ppm CaCO ₃ < 11.2 °D < 20°F
Sulfates	<10 ppm SO ₄ ²⁻
Chlorides	< 2 ppm Cl-
Fluorides	< 0.05 ppm F-

Note: Water should be inline flow and hose pipe inlet diameter 20mm with total length is 18mtr.

AIR SUPPLY

Air pressure rate 0.6m³/min, 0.7MPA.

Computer Specifications

- **Processor:** Intel Core i7
- **RAM:** 32 GB or More
- **Operating System:** Genuine MS Windows 10 Professional
- **SSD Capacity:** 512GB or more
- **Hard Disk:** 1TB or More
- **USB Port:** USB 3.1
- **Video Resolution:** Color monitor with 1980 X 1024, 24-bit colors
- Human Input Devices (Keyboard & Mouse)

Note: If computer system configuration doesn't meet the above-mentioned specifications, then printer performance gets slow down (will affect the printing data transfer).

Environment Specifications

- Room temperature should be maintained in the range of 24°C \pm 4 degree Celsius with humidity 65% \pm 10% RH.
Please note: Printer is equipped with dryers, it may raise the room temperature – A 10% additional load should be considered when designing the AC
- There should not be air draught in the room
- Closed dust-free room exclusive for Printer

Lighting Specifications

Proper lighting ensures performance, visual comfort and safety while working on the machine. The lighting specifications are given as follow:

CRI	LUX Min	Color
98%	200	5000K

Machine Dimensions

Printer

- **Gross Weight:** 3800 Kg
- **Net Weight:** 3250 Kg
- **Printer Dimension (L x W x H):** 4898 x 2250 x 1850 MM
- **Packing Dimensions (L x W x H):** 5220 x 2300 x 2100 MM

Feeder

- **Gross Weight:** 920 Kg
- **Net Weight:** 720 Kg
- **Feeder Dimensions L x W x H** 2482 x 820 x 1160 MM
- **Packing Dimensions L x W x H** 2700 x 1400 x 1530 MM

Hot Air Dryer with Plaiter

- **Gross Weight:** 1750 Kg
- **Net Weight:** 1550 Kg
- **Dryer Dimensions (L x W x H):** 3160 x 3550 x 1980 MM
- **Dryer Packing Dimensions (L x W x H):** 3600 X 2400 x 2100 MM
- **Plaiter Dimension (L x W x H):** 1210 X 2440 X 2240 MM
- **Plaiter Packing Dimensions (L x W x H):** 2400 X 2800 x 1500 MM

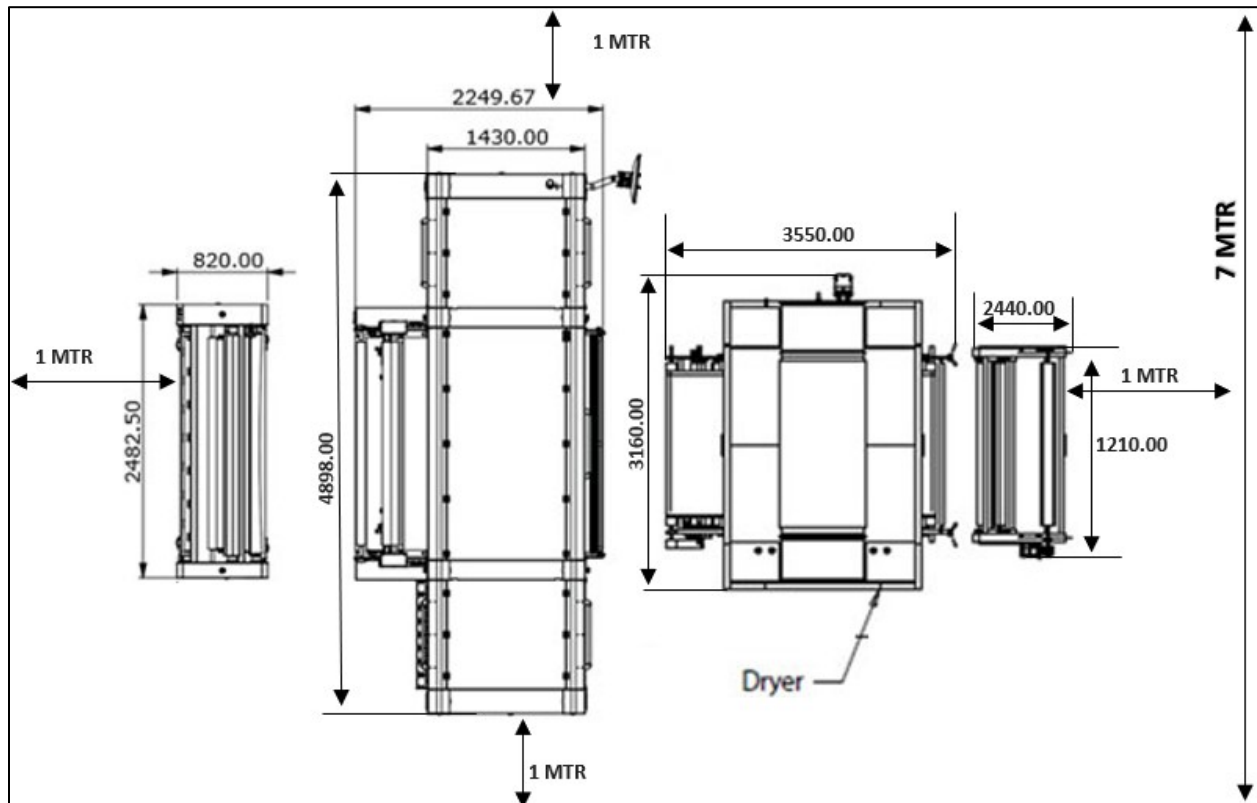
Room Dimension

Room Dimensions L x W x H: 13000 x 7000 x 3600 mm

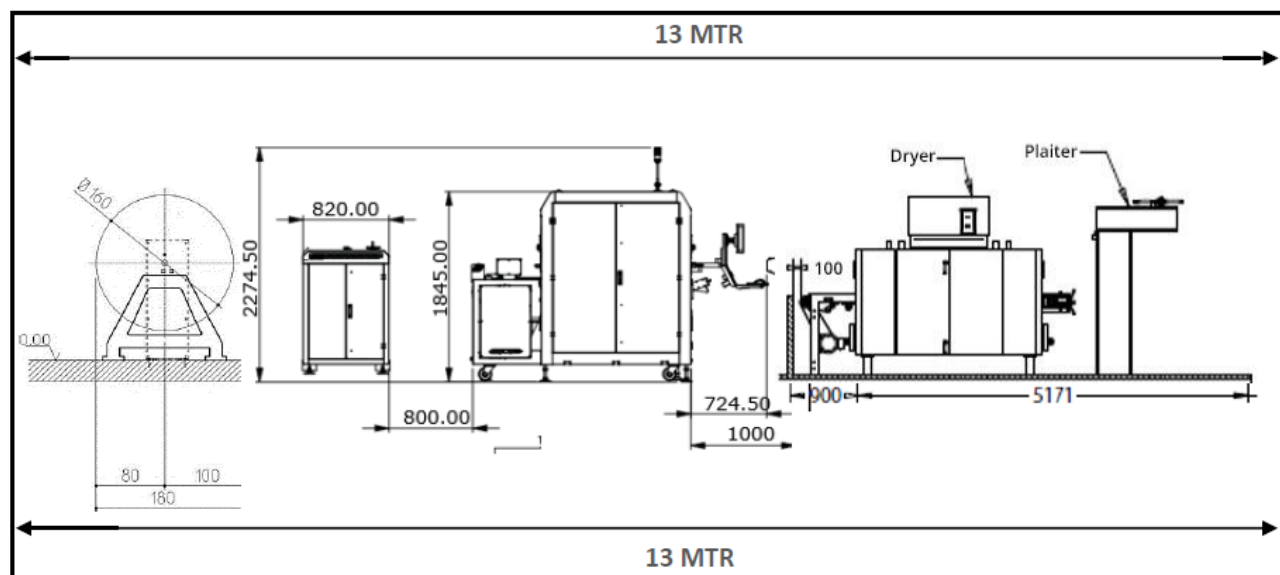
Note: Door opening and ceiling height should be as per above dimensions.

Site Layout of METRO NXT

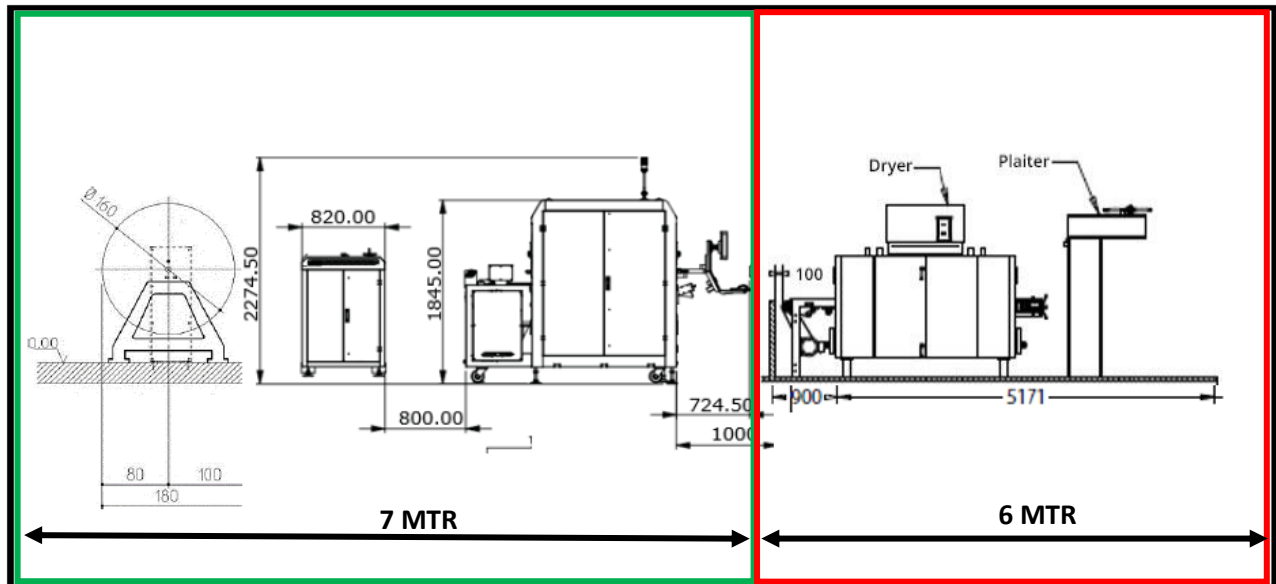
Top View of the Machine:



Side View of the Machine



Zonal Details



Note: The zone categorization is given as below:

- **Green Area** denotes to AC Zone
- **Red Area** denotes to Dry Zone