

Earth 8824

Site Readiness Document

Pre-Requisites

Contents

1. Power Supply
2. Water Supply
3. Air Supply
4. Computer Requirements
5. Environment Requirements
6. Floor & Space

Power Requirements

- **Power Inlet 1: For Print Engine:** Total Wattage: 1500 Watts (peak load) + 20% @ 220Volts AC 50 HZ, Sinewave- Max 2000 Watts (surge load)
 - Uninterrupted power supplies (flicker-free) should be provided as it has digital circuits.
 - **Safety:** 16A MCB must be used to power this inlet.
 - RCCB and Z curved MCB at every power inlet mentioned above according to load with sensitivity of 30mA
- **Power Input 2: For Print Dryer:** Total Wattage: 4000 Watts (peak load) + 20% @ 220Volts AC 50 HZ, Sinewave- Max 5000 Watts (surge load)
 - Continuous (5 sec break acceptable in 60 secs) power supplies required.
 - **Safety:** 63A MCB must be used to power this inlet.
 - RCCB and Z curved MCB at every power inlet mentioned above according to load with sensitivity of 30mA
- **Power Input 3: For Belt Dryer cum Glue Activator:** Total Wattage: 2500 Watts (peak load) + 20% @ 220Volts AC 50Hz Sinewave - Max 3000Watts
 - Continuous (5 Sec break acceptable in 60 Secs) power supplies required
 - **Safety:** 32A MCB must be used to Power this Inlet
 - RCCB and Z curved MCB at every power inlet mentioned above according to load with the sensitivity of 30mA.
- **Power Inlet for Computer:** One set of power outlets is to be used with the computer that is connected to the same phase used by Power Inlet 1 (Print Engine). Moreover, the power requirement for the computer depends on its configuration.
- Exclusive earthing is required for the printer and should not be shared with UPS and the building's common earth.
- **UPS requirement** will be 15KVA 3in single out.

Water Supply

- Inlet
 - PPM <200 (to be changed every 7 hours)
 - Flow: 10LPM – 35LPM
 - Water Consumption per day: 80 Liters to 2000 Liters
 - pH: 6 to 8
 - Fittings 1" BSP
- Outlet
 - Check with local laws for disposal of contaminated water
 - Fittings 1" BSP

Air Supply

No compressed air required

Computer System Requirements

- **Processor:** i7 processor (Quad Core)
- **RAM:** 8GB or more
- **Operating System:** Windows 10
- **HDD/SSD:** 500GB or more
- **USB:** USB 2.0 Port or Compatible to 2.0
- Human Input Devices (Keyboard & Mouse)
- Color Monitor with 160 x 1024 resolution, 24-bit colors

Environment Requirements

- Room temperature should be maintained in the range of $24^{\circ}\text{C} \pm 4$ with humidity $64\% \text{ RH} \pm 10\%$

Note: *The printer is equipped with dryers which may raise the room temperature – A 10% additional load should be considered while designing the AC*

- There should not be air draught in the room.
- Closed dust-free room exclusive for the printer.
- Light:
 - CRI 98%
 - LUX Min 200
 - Color: 5000K

Floor and Space

- Machine Weight: 1400 KG
- Machine Gross Weight: 2000KG (approx.)
- Machine dimension: L x W x H 3810 x 1780 x 1640 MM
- Packing dimension: L x W x H 4005 x 1920 x 1870 MM
- Room dimensions L x W x H 22'x18'x9' (6846 x 5580 x 2743 MM)

Site Layout

