

VASTRAJET

(8 Heads)

SITE READINESS DOCUMENT

Prerequisites for VASTRAJET (8 Heads)

Contents:

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

Power Supply

- **Power Inlet 1: For Print engine: Total Wattage:** 1500 Watts (peak load) + 20% @220Volts AC
50Hz Sinewave - Max 2000Watts (surge load)
 - Uninterrupted power supplies (flicker free) should be provided as it has digital circuit
 - **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
50Hz Sinewave - Max 5000Watts
 - 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 sensitivity of 30mA



Print
Engine



Print
Dryer



Belt
Dryer

- **Power Inlet for Computer:** One set of Power Outlet is required to be used with the computer that should be connected to the same phase which is used by the Power Inlet 1 (Print Engine). Moreover, power requirement for the computer depends on its configuration.
- Exclusive Earthing is required for the printer. It shouldn't be shared with any other equipment like UPS, transformers, motors, etc.

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

Recommended requirement:

- **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 1600x1024 resolution, 24-bit colors

Environment Requirements

- Room temperature should be maintained in the range of $24^{\circ}\text{C} \pm 4$ with humidity 64% RH $\pm 10\%$. Please note, printer is equipped with dryers which may raise the room temperature. Thus, 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.
- Light:
 - CRI 98%
 - LUX Min 200
 - Color: 5000K

Floor & 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

