VASTRAJET

(16 Heads)

SITE READINESS DOCUMENT

Prerequisites for VASTRAJET (16 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)
    - o Uninterrupted power supplies (flicker free) should be provided as it has digital circuit
    - o **Safety:** 16A MCB must be used to Power this Inlet
    - o 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
    - o Continuous (5 Sec break acceptable in 60 Secs) power supplies required
    - o **Safety:** 63A MCB must be used to Power this Inlet
    - o 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
    - o Continuous (5 Sec break acceptable in 60 Secs) power supplies required
    - o **Safety:** 32A MCB must be used to Power this Inlet
    - o RCCB and Z curved MCB at every power inlet mentioned above according to load with sensitivity of 30mA

- **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 Requirements:

- **CPU Configuration:**
  - **Number of Cores**: 6+
  - **Number of Threads**: 12+
  - **Processor Turbo Frequency:** 4.9Ghz
  - **Cache:** 12MB
- **RAM**: 16GB or more
- **USB:** 3.1 Ports or Higher Compatible

- **Operating System:** Win7 or Windows 10 of 64-bit
- **Human Input Devices:** Keyboard and Mouse
- **HDD Capacity:** 1TB or more
- Color monitor with 1600x1024 resolution, 24-bit colors
- Intel Optane / SSD for OS and Application
- Well ventilated cabinet and isolated PSU

Environment Requirements

- Room temperature should be maintained in the range of 24^0C $\pm$ 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: 2000 KG
- 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