# Robot Cell Specification Sheet



General
Electrical
    Wiring
Temperature
Drawings

# Robot Cell Specification Sheet

## General

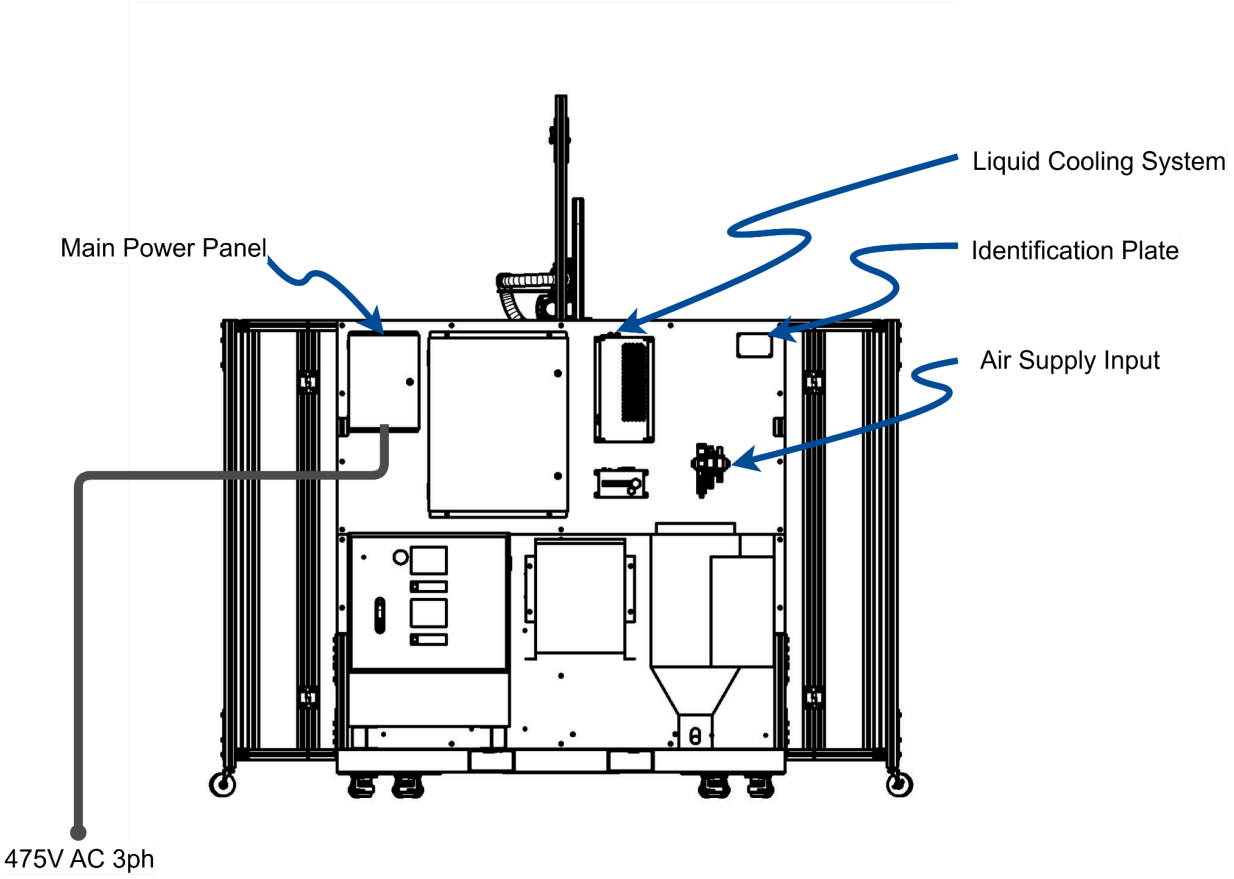
| | |
|---|---|
| Dimensions (W x L x H) | 4100mm x 2000mm x 2100mm |
| Print Volume (W x L x H) | 1650mm x 1100mm x 1000mm |
| Approx. Total Weight | 1600 kg |
| Available Extrusion Systems | Typhoon® High Flow Filament Extruder<br>Pulsar® Atom Precision Pellet Extruder<br>Pulsar® Pellet Extruder |
| Robot Model | Robot: Kuka® KR 16 R2010-2<br>Controller: Kuka® KR C5 |
| Extrusion System Controller | RobotSync™ Hub |
| Air Supply Required | 100psi (7 bar) |

## Electrical

| | |
|---|---|
| Operating Voltage | Robot: 380-480 V AC 3ph *(575V 3Ph with Transfo)*<br>Heating Bed:220V AC 1ph<br>Extruder: 110V AC 1ph or 220V AC 1ph |
| Power Rating | Robot: 13kVA<br>Heating Bed: 3000W<br>Extruder:<br>- Typhoon: 400W<br>- Pulsar Atom: 400W<br>- Pulsar: 1100W |

## Wiring

| | |
|---|---|
| Connections | Robot: See Kuka wiring<br>Extrusion Controller: See RoboSync Hub<br>Extruder:<br>- Typhoon: See Typhoon<br>- Pulsar Atom: See Pulsar Atom<br>- Pulsar: See Pulsar |




** Wiring is subject to change depending on the localisation*

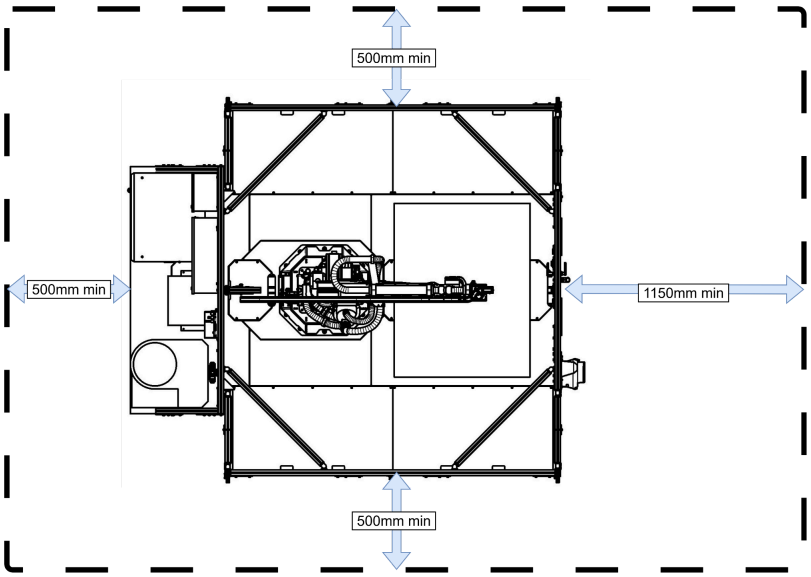
## Temperature

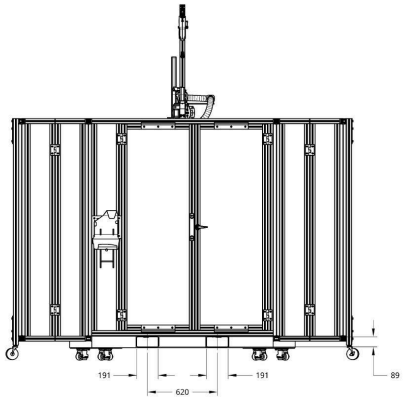
| | |
|---|---|
| Ambient temperature during operation | 5 °C - 55 °C |

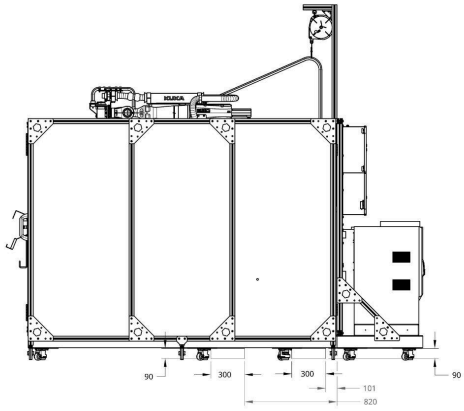
## Requirements

| | |
|---|---|
| Minimum PC specs | See Adaxis recommendations<br>A dedicated GPU is strongly recommended |
| VOC Handling | We recommend a dedicated exhaust ventilation system, the specifications of which will depend on the polymer being used. Please consult the resin manufacturer for guidance. |

## Drawings

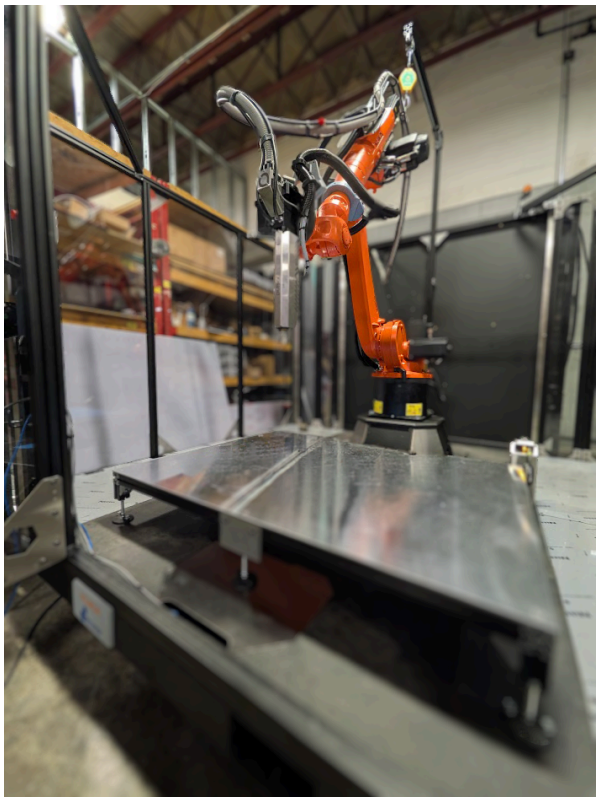

500mm min
500mm min
1150mm min
500mm min

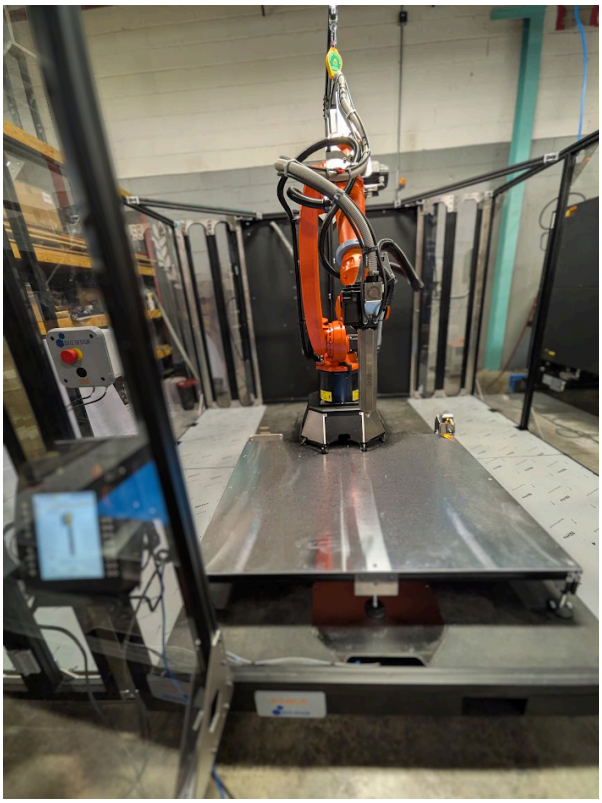

191
191
620
89


90
300
300
101
820
90

# Robot Cell Specification Sheet

## Photos





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