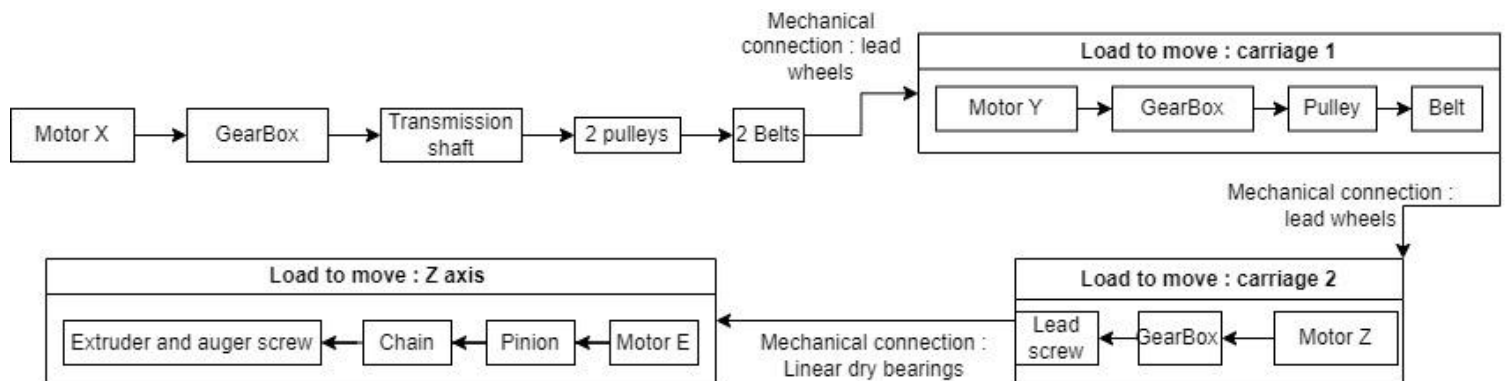
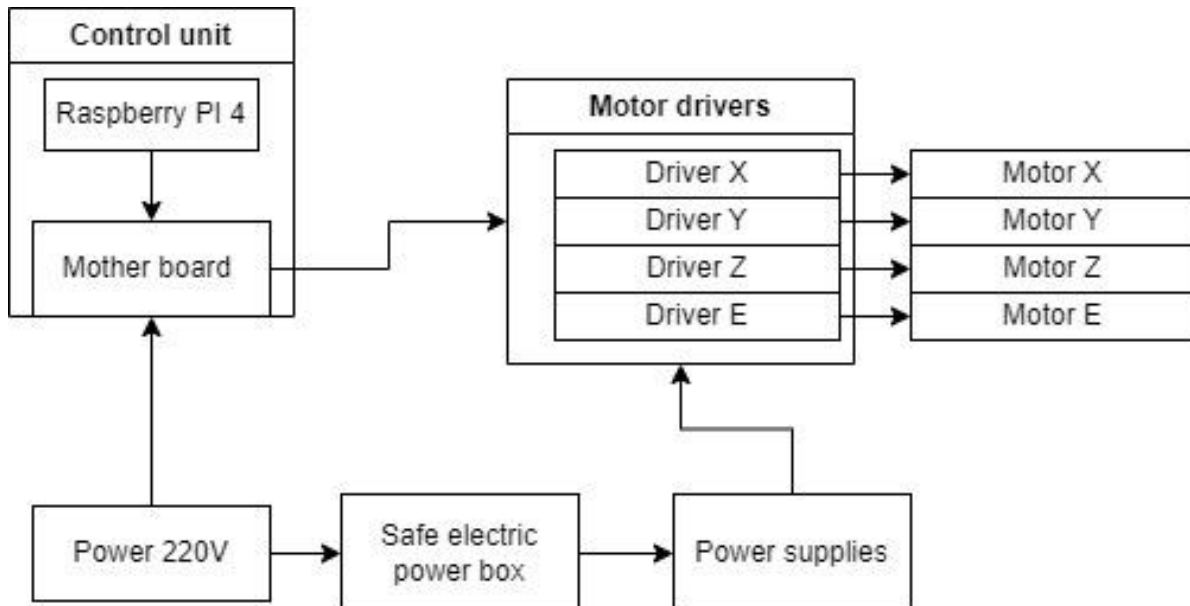


# Technical report

## Cinematic diagram



## Electronic diagram



## Dimensions

Dimensions	L : 220cm/W : 175cm/H : 150 to 250 cm
Working surface	L : 170cm/W : 95cm/H : 105 cm

# Technical report

## **Main components**

### **X and Y**

6 pulleys AT5 20teeths  
2x3m belts  
1x 1.5m belt

### **Z**

Lead screw: 1m50, 2mm thread  
4xIGUS dry bearings

### **Trusses frame**

4 Naxpro-Truss FD 24 Embase plate  
4 Naxpro-Truss FD 24 Boxcorner  
6 Naxpro-Truss FD 24 Length 125 cm  
2 Naxpro-Truss FD 24 Length 175 cm  
1 Naxpro-Truss FD 22 Length 150 cm  
2 Naxpro-Truss FD 22 Longueur 100 cm

### **Motors**

3 Nema 34 12Nm (X, Y, E)  
1 Nema 23 3Nm (Z)  
2 Nema 34 Planetary GearBoxes (1:20)  
1 Nema 23 Planetary GearBox (1:20)

### **Drivers**

1 DM542T (Z)  
3 CL86T (X, Y, E)

### **Power Supplies**

3 x 60V DC 5.9A output (X, Y, E)  
1 x 24V DC 4.5A output (Z)

### **Control**

1 Raspberry Pi 4 B  
1 Skr V1.4 Turbo

### **Firmware**

Klipper 0.11.0

### **Monitoring & control software**

OctoPi 0.18.0