MELTIO
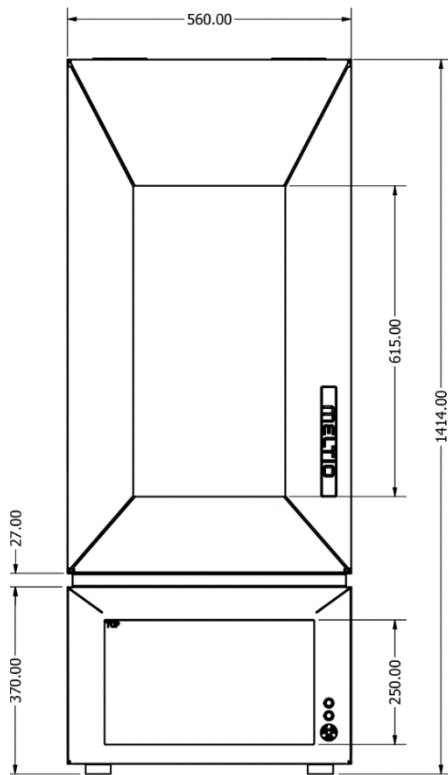
Meltio M450

Dimensions (W*D*H):
560*600*1400mm

Print Envelope (X*Y*Z):
150*170*425mm

Weight:
250kg

Laser Power:
1200W

Laser Type:
Multiple 200W direct diode lasers

Laser Wavelength:
976nm

Enclosure:
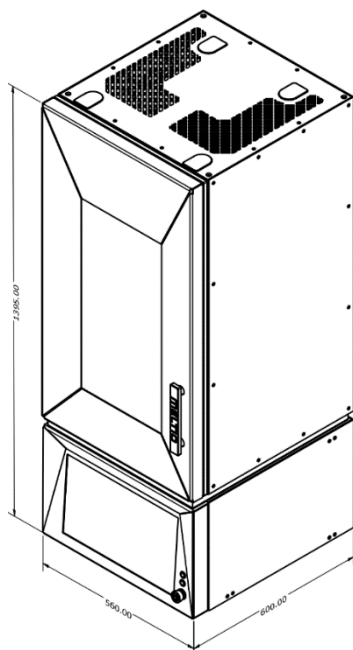Laser-safe, sealed, controlled atmosphere

Process Control:
Closed-loop laser and wire modulation

Power Input:
208/230V single phase or 400V three phase

Power Consumption:
2-5kW peak depending on selected options

Interface:
USB, ethernet, wireless datalink

Cooling:
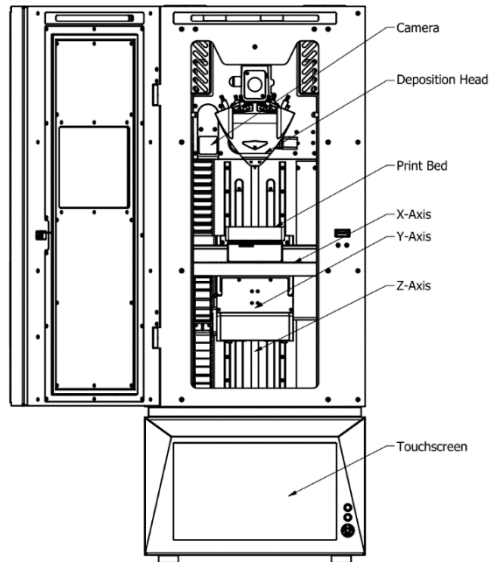Active water-cooled chiller included

Materials

Wire Materials:
Stainless steel, carbon steel, titanium alloys, inconel

In development: copper

Wire Feedstock:
0.8-1.2mm diameter

Wire Feeds:
up to two K300 spools

Meltio M450

Camera
Deposition Head
Print Bed
X-Axis
Y-Axis
Z-Axis
Touchscreen

Upgrades and Accessories

Hot Wire:
programmable power supply that preheats the material before it enters the melt pool.

Dual Wire:
this option allows to 3D print two wire materials sequentially with very quick wire switches.

Station:
sturdy wheeled stand made from stainless steel and aluminum. Contains tool and material drawers.