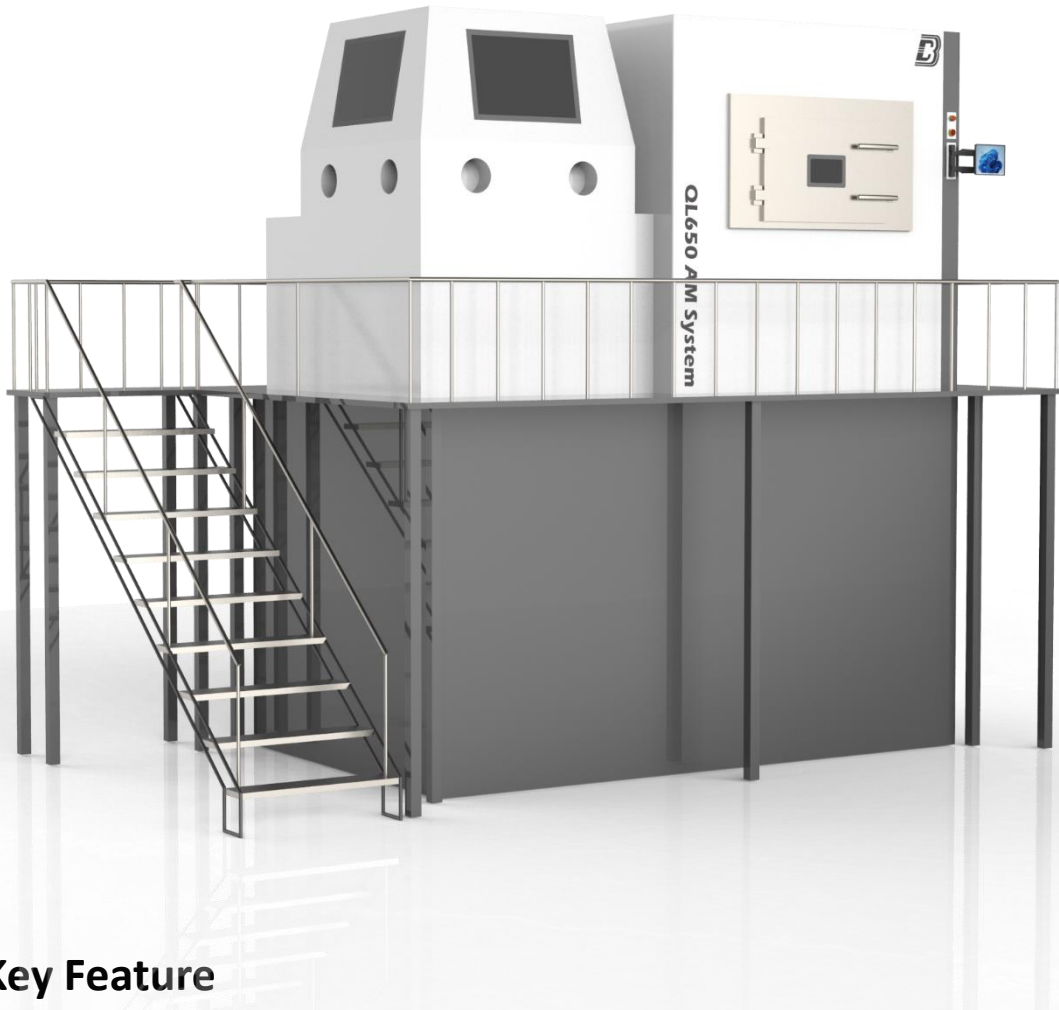


QL650

High-End Metal 3D printer (SLM)

**Key Feature**

- Quad high power 500W Fiber lasers
- More metal powder materials supported
- 75-85um dynamic focus spot with high speed monochromator
- 20-100um slicing layer thickness
- Max print part size: 650*650*650mm
- Auto powder-feeding system
- Bi-directional powder spreading, improve printing efficiency
- Using Argon, Nitrogen to avoid oxidation, auto adjust fan speed
- Best choice of Medical/healthcare/military/aerospace industry

Technology		Powder bed fusion + Laser sintering
Laser Qty/power/type		Quad 500W fiber laser
Laser wavelength		1064 nm
Max print part size (mm)		650(L) x 650(W) x 650(H)
Max resolution (3-axis)		XY: 0.05mm; Z: 0.08mm
Max build rate		80 cm ³ /h
Slicing Layer thickness		20um ~ 100um
Scan mirror		75-85um focus spot with high speed monochromator
Materials feeding		Auto powder feeding system
Air flow/Anti-oxidation		Argon, Nitrogen, 6-10bar, auto fan speed adjustment

Supported Metal powder materials

Al6061, 7075, AlF357, AlSi10Mg	Magnesium, gold, cobalt chrome MP1, CoCr28Mo6
Cu, CuCrZr, GRCo-42	Inconel IN625, 718, 686, 939,
Nickel Hastelloy C22 /X, Sterling silver 925	Titanium TA5/Ti64, Pure Tungsten, Tungsten carbide cobalt
Stainless steel: 17-4PH / 316L / M789	Tool steel: 1.2709 / CX / M300 / MS1
Customized: Strengthening Aluminum(self-patent), user specified metal powder	

Power

Power supply	AC 380V±10% three-phase @50/60Hz
Power consumption	23KW

Environment

Operation temperature	<23°C
Operation humidity	<40% RH

Physical

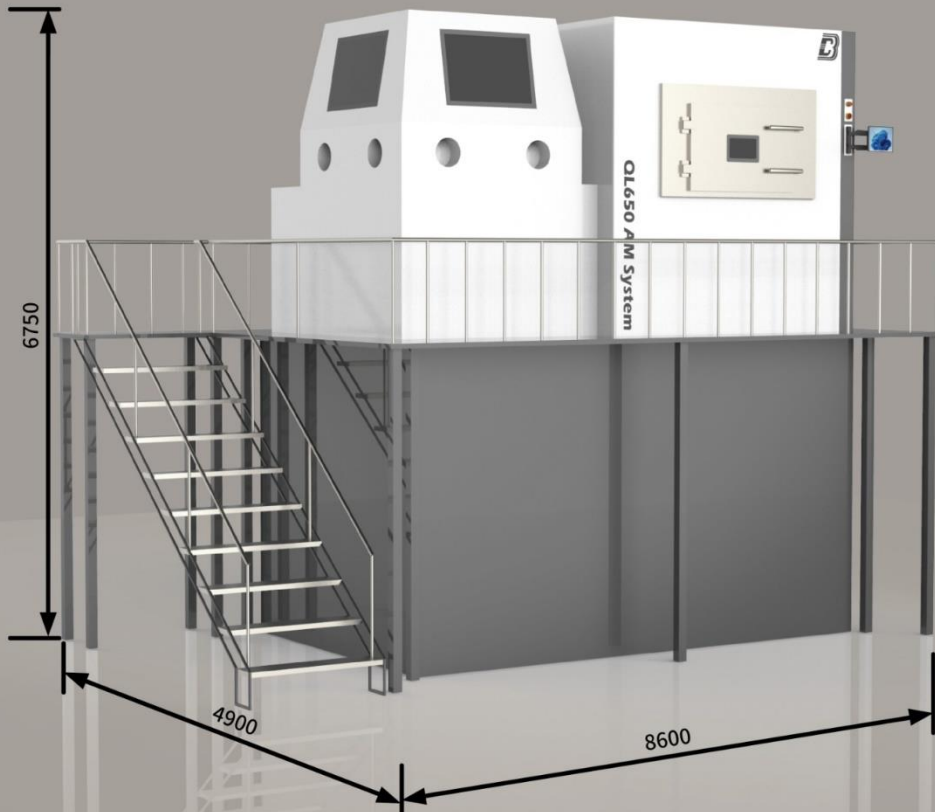
Printer outline Dimension	8600(L) x 4900(W) x 6750(H) mm
Printer Weight	6700 kgs

Outline Dimension Drawing



Comfort Beauty Advanced Technology CO., LTD.

(mm)



廠址(Factory ADD) :

高雄市路竹區中山路88巷60弄20號(總廠)

No.20, Aly60, 88Ln., Chunshang Rd., Luzhu Dist, Kaohsiung City, Taiwan (ROC) (Headquarter)

山東省德州市陵城區加州錦城H-2(大陸廠)

H-2, Jincheng, California, Lingcheng Dist, Dezhou City, Shandong, China

(規劃遷廠至崑山廠 Planning to move the factory to Kunshan factory)



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