Electron Beam Melting

for additive manufacturing

Principle

Electron Beam Melting (EBM) is a powder-bed-based process for the additive manufacturing of three-dimensional parts. The powder is selectively melted by the electron beam and the process takes place under high vacuum.

Manufacturer	Arcam EBM
Model	A2X
Max. Build Size	200 x 200 x 380 mm (WxDxH)
Max. Beam Power	3000 W
Scan Speed	up to 8000 m/s
Cathode type	Tungsten filament

Manufacturer	Arcam EBM
Model	Q20plus
Max. Build Size	350 x 380 mm (ØxH)
Max. Beam Power	50 - 3500 W
Scan Speed	up to 8000 m/s
Cathode type	Single crystalline