

Arcam EBM Spectra H

The Evolution of a Revolution

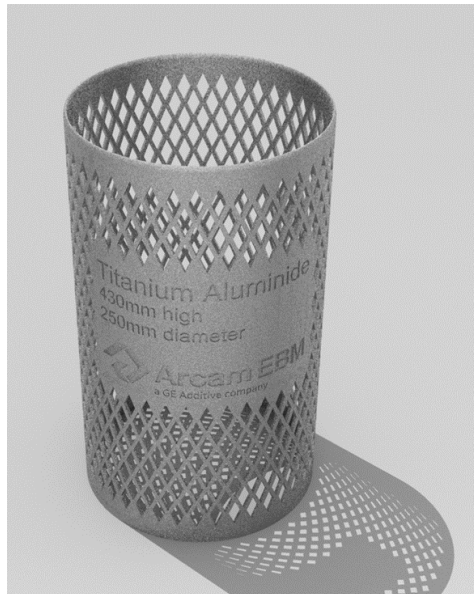


Complete new EBM system

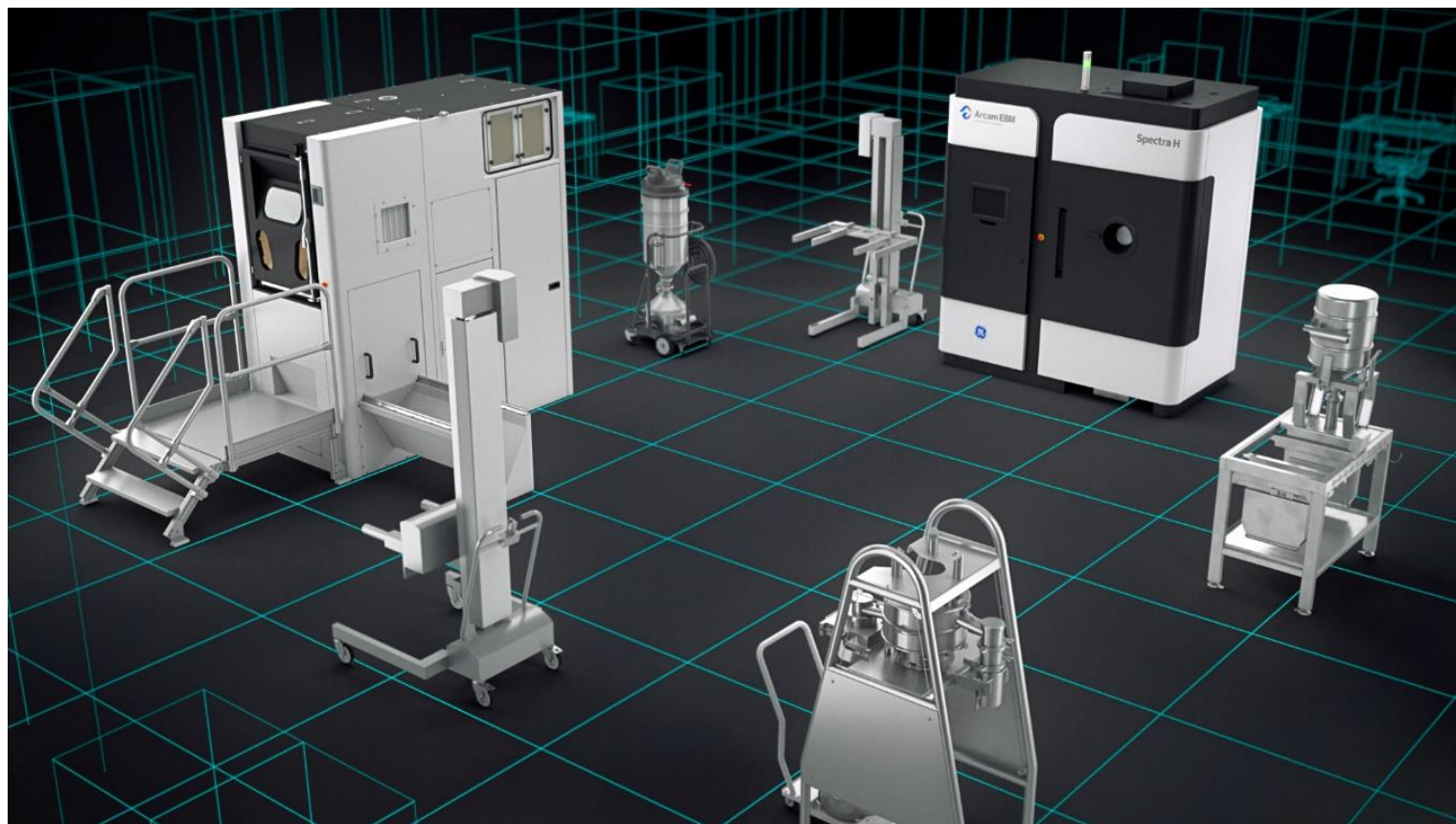
- Unique system designed to handle high heat and crack prone materials, such as TiAl and nickel Alloy 718
- Cost reductions through productivity enhancements. Up to 50% increase in build speed and 39% increase in build volume
- End-to-end industrialization – improved power handling, automation and calibration and minimized risk of contamination, reduces operator dependency

Arcam EBM Spectra H – Technical specification

"World largest TiAl part produced in a commercial AM system"



Max build size	Diameter 250mm X Height 430mm
Max Beam power	6kW
Cathode type	Single crystalline
Vacuum base pressure	5x10 ⁻⁴ mbar
Build atmosphere	4x10 ⁻³ mbar
He Consumption, build process	5 l/h
He Consumption, ventilation	150-200l/build
Power supply	3x400 V, 32A, 10kW
Size	(D;W;H) 1335 ; 2352 ; 2851
Weight	2915kg
CAD	Standard STL
CE marking	YES



Reducing cost through increased productivity: The Arcam EBM Spectra H incorporates a range of new features and enhancements to drive down cost by increasing the productivity of the system.

- A market leading 6kW HV-unit means that all pre- and post-heating steps take half the time compared with current EBM machines.
- Improved heat management through the incorporation of a moveable heat shield to keep heat in the build area
- Optimized layering procedure by paralleled activities reduces the communication time and need for heating, saving 5h for a full height build