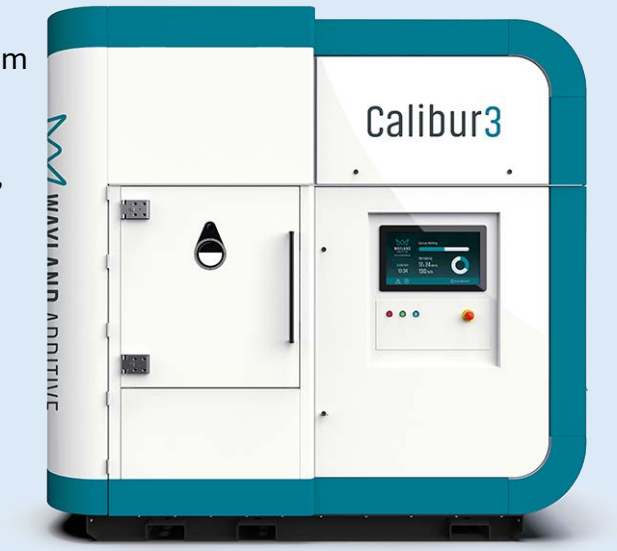
Metal 3D printer from Wayland Additive

Calibur3

Introducing NeuBeam® - The next generation of electron beam manufacturing for large stress-free components.

NeuBeam® prints parts faster, requires fewer finishing steps, all within a more stable platform than competing technologies.



System Features

Large build volume
Hot parts process, producing large parts that are stress free
Optimum metallurgy through adaptable cooling control
Fast and efficient with far fewer post-processing steps required
Industrial reliability built in
Sophisticated in-process monitoring accelerating application development

Technical data

Build Size	300x300x450mm Upgradeable / Interchangeable build volumes: 100x100x150mm (optional material Dev kit)
Machine Size	3270x1300x3000mm
Bed/Part Temperature	Up to 1000°C, dependent on build volume, material, etc.
Layer Thickness	Typically 50-90µm
Spot Size	Φ150µm tungsten on axis (100µm target LaB6)
Energy Source	Electron beam, 5kW @ 60kV
Electron Source	LaB6 crystal or tungsten filament (user option) – LaB6 2025
Deflection Speed	Up to 1000m/s
File Type	CLI file format (.cli)
Argon Consumption	610 litres / Build
Air Supply	Minimum 5 bar
Machine Weight	3500kg

WAYLAND ADDITIVE

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