

ALD Vacuum Technologies

High Tech is our Business

EBuild[®] Additive Manufacturing

Electron Beam Powder Bed Fusion at Industrial Scale



- Largest Build Area
- High Productivity
- Superior Part Quality
- Cost Reduction



www.ald-vt.com

The world's largest build volume for large-scale parts & high-volume production

THE HIGHEST BEAM POWER CURRENTLY AVAILABLE FOR E-PBF

- ▶ the high temperature vacuum process eliminates cracks, porosity and the uptake of impurities such as oxygen, resulting in the best material quality
- ▶ increase in efficiency in end products such as turbines
- ▶ significantly reducing material consumption compared to conventional manufacturing processes
- ▶ lower carbon footprint in production and product life cycle
- ▶ in-situ process control via backscattered electron imaging for quality assurance

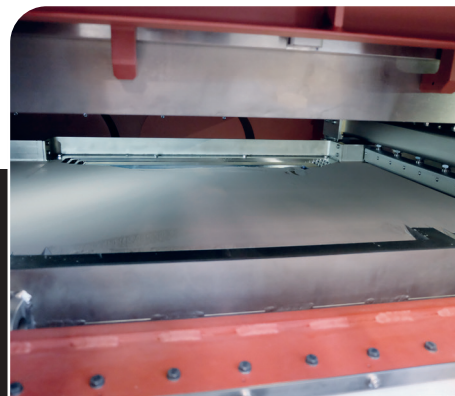


TECHNICAL DATA EBuild® 850

Acceleration Voltage	max. 150 kV
Power	max. 45 kW
Build Area	850 x 850 mm
Build Height	max. 1000 mm
Powder Bed Temperature	max. 1200 °C



in-situ electron image of build area



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