



EPIC Online Technology meeting on Laser Beam Welding

Company presentation

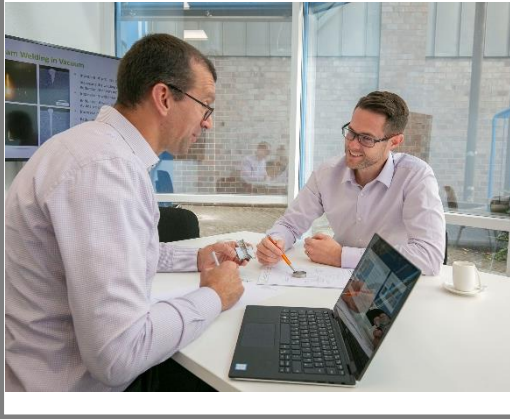
Dr. Christian Otten (CEO)

Dr. Benjamin Gerhards (CTO)

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Provider of solutions for joining challenges!

Consultation



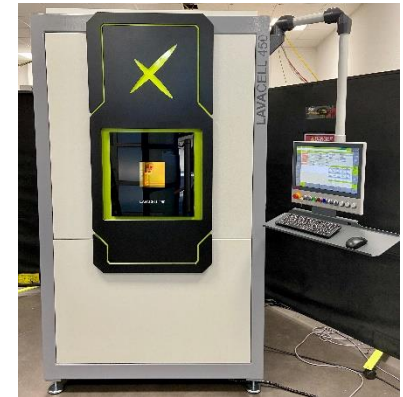
15 Employees

Manufacturing



12 Engineers

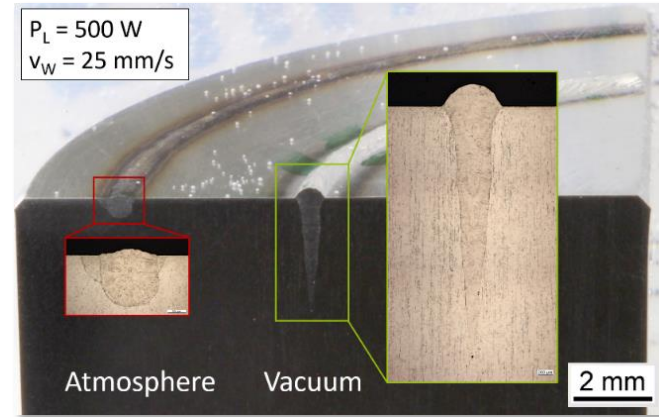
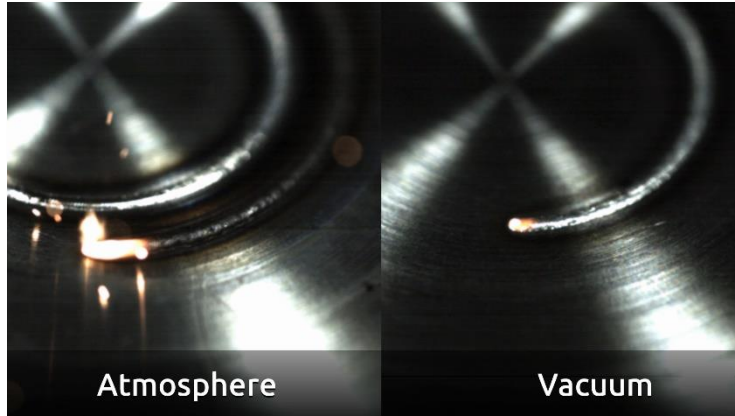
Engineering



5 International Welding Engineers

LaVa – Advantages

LaVa-X



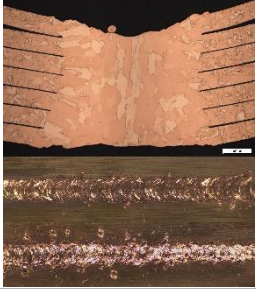
- ✔ **Increase of quality**
No pores or cracks in weld seams even in alloys difficult to weld.
- ✔ **Economic and ecologic**
Use of low power laser sources. No compressed air and reduction of shielding gas.

- ✔ **Avoidance of spatters**
No adherend spatters, avoidance of vapour deposition and oxidation.
- ✔ **Scalable Process**
Wide range of penetration depth reaching from approx. $10 \mu\text{m}$ to $> 100 \text{ mm}$.

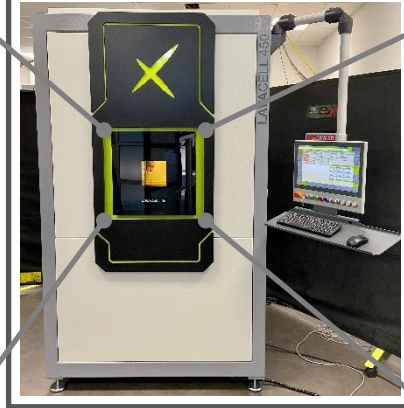
LaVa – Applications



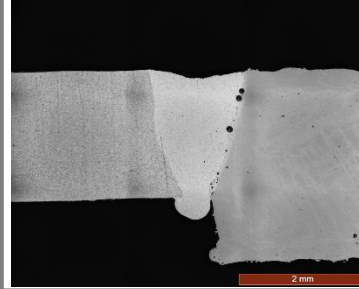
Cu – 65 μm Foils



LaVaCELL 450



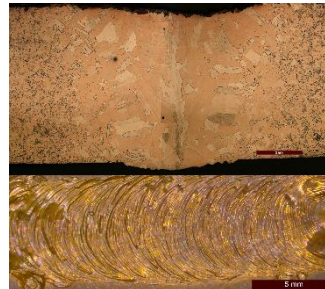
Al - LPBF - Hybrid



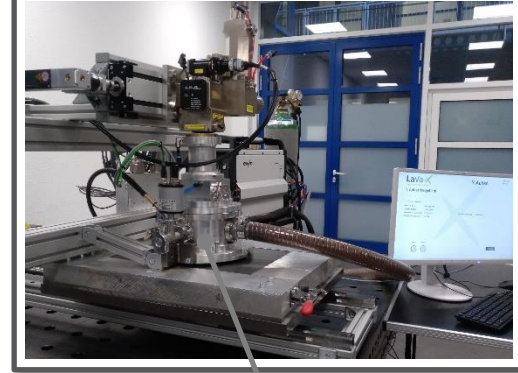
EN AW 7075



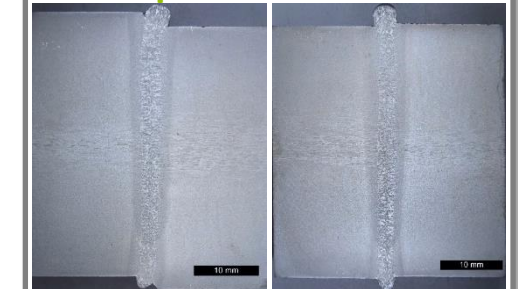
Cu - 6 mm Sheets



Mobile Vacuum



thick plates – 40 mm





Thank you for your attention

Contact

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