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# Additive Manufacturing for Repair Applications

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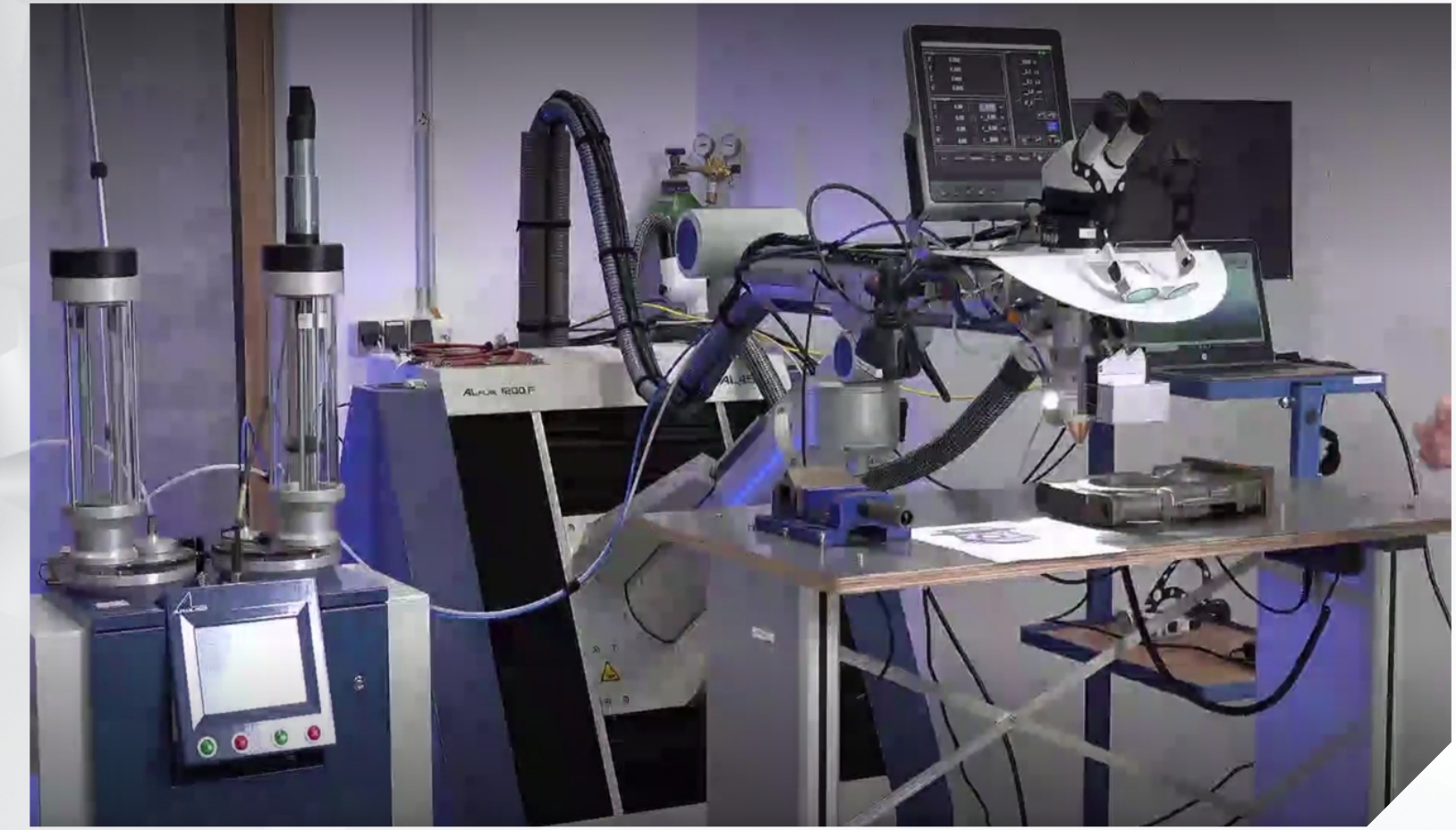

Alpha Laser AL Flak 1200 watt Fiber Laser with 3-D Scanning Camera (Mabotics)
to repair Complex Geometries via Additive Manfactruring

ALFlak Fiber Laser

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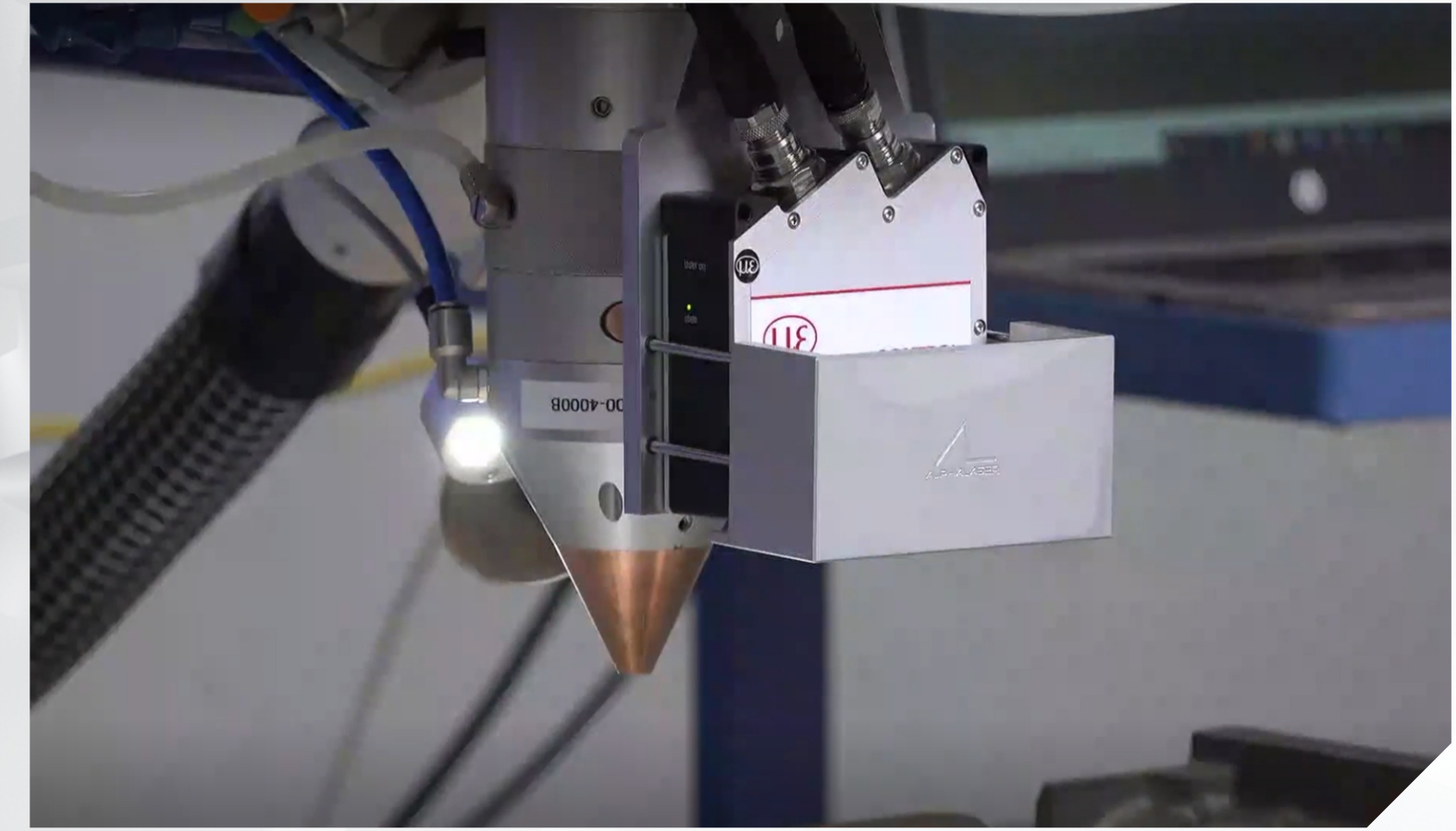

Mabotics Scan Camera integration with Alpha Laser AL Flak 1200 watt Fiber Laser

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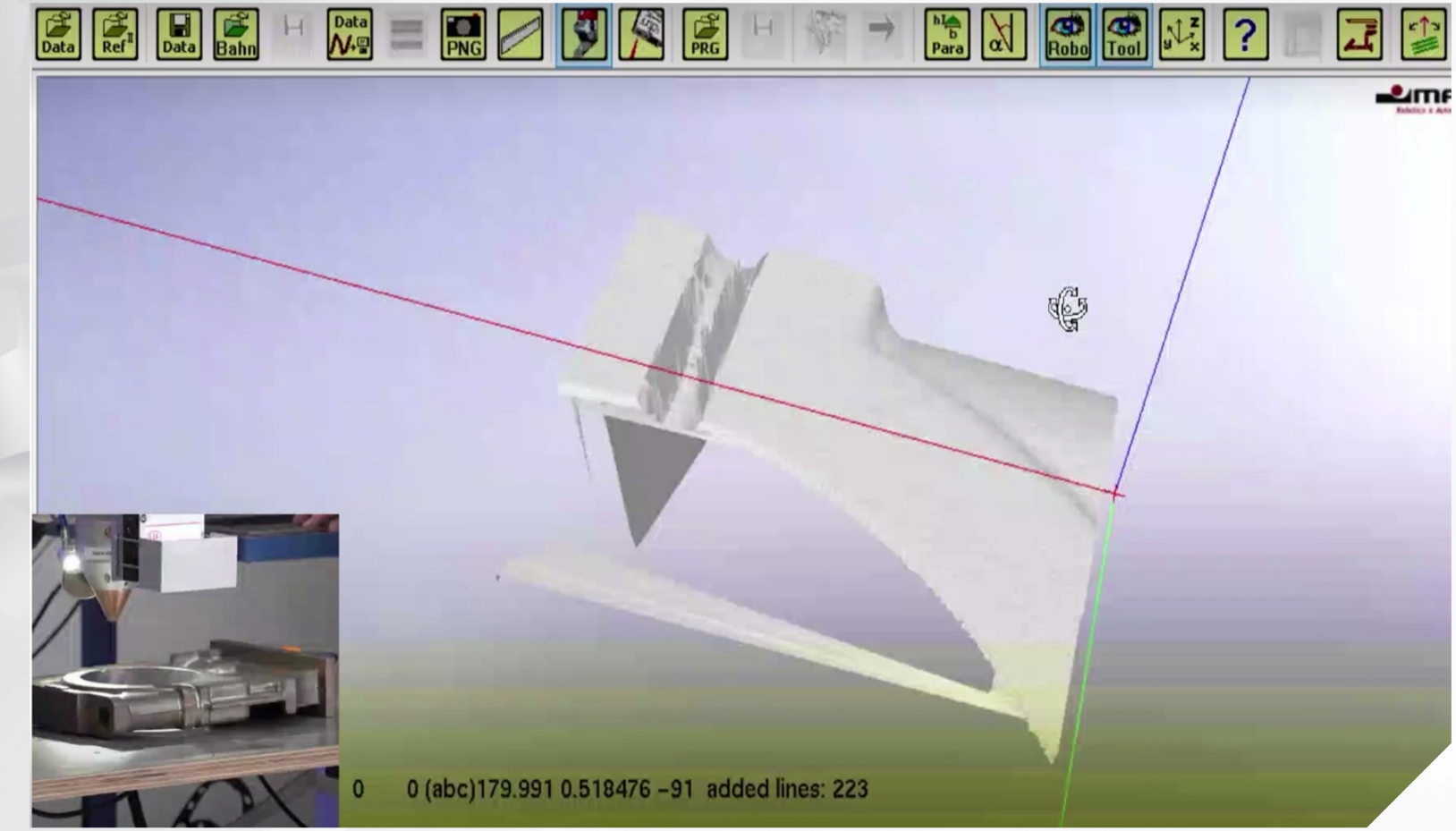
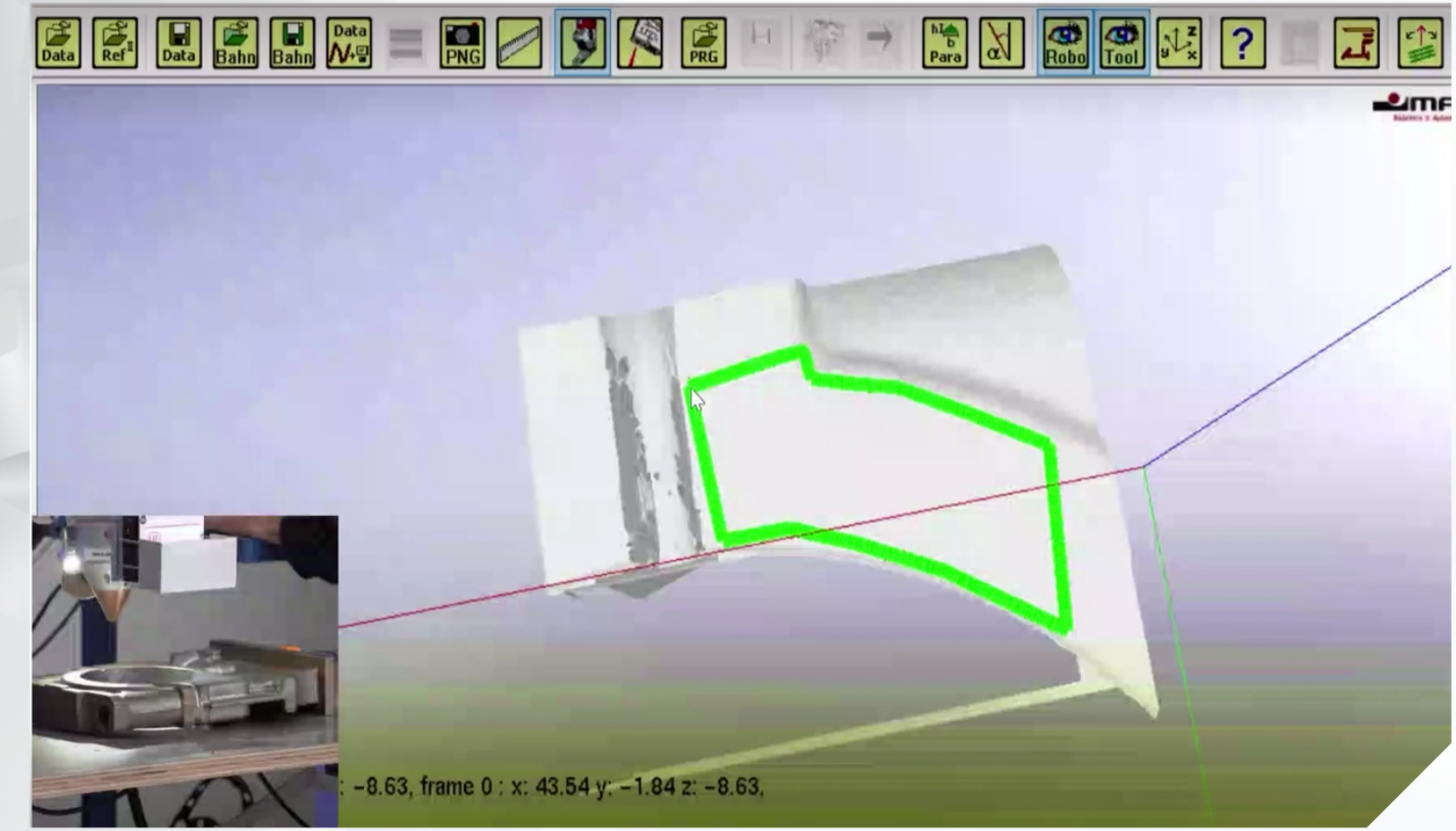
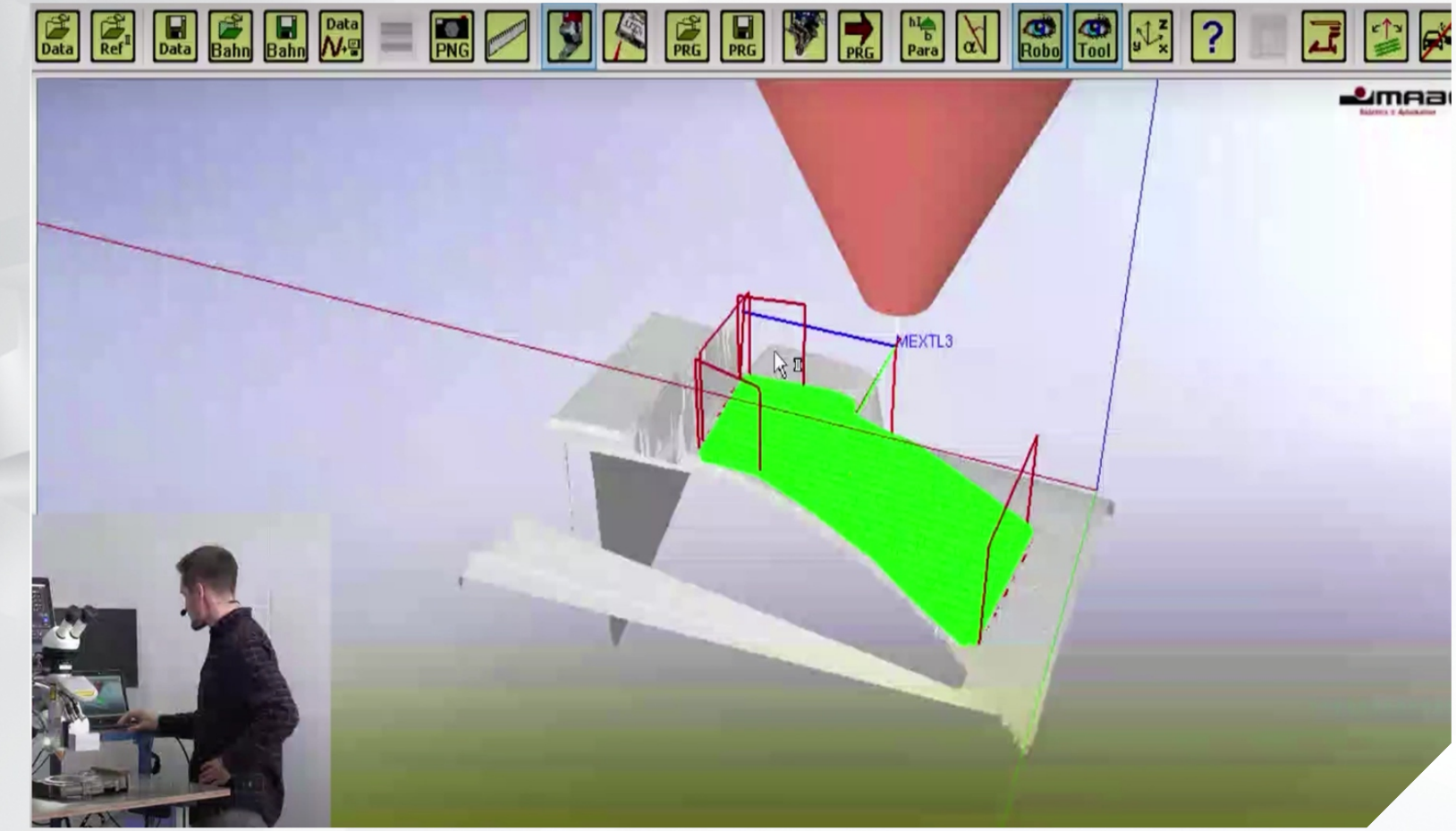



3D Scan of Part Geometry for repair area and Laser Powder Cladding strategy selection




Teach Points complete on 3D File created by Mabotics Camera Scan, prepare for Laser Powder Cladding Process




Repair Strategy complete with part area selection. 3D Traverse including Deposition Height Taught into AL Flak 1200 Fiber System. Operator finalizes strategy while viewing Pilot Run for acceptance prior to Laser Powder Cladding sequence.

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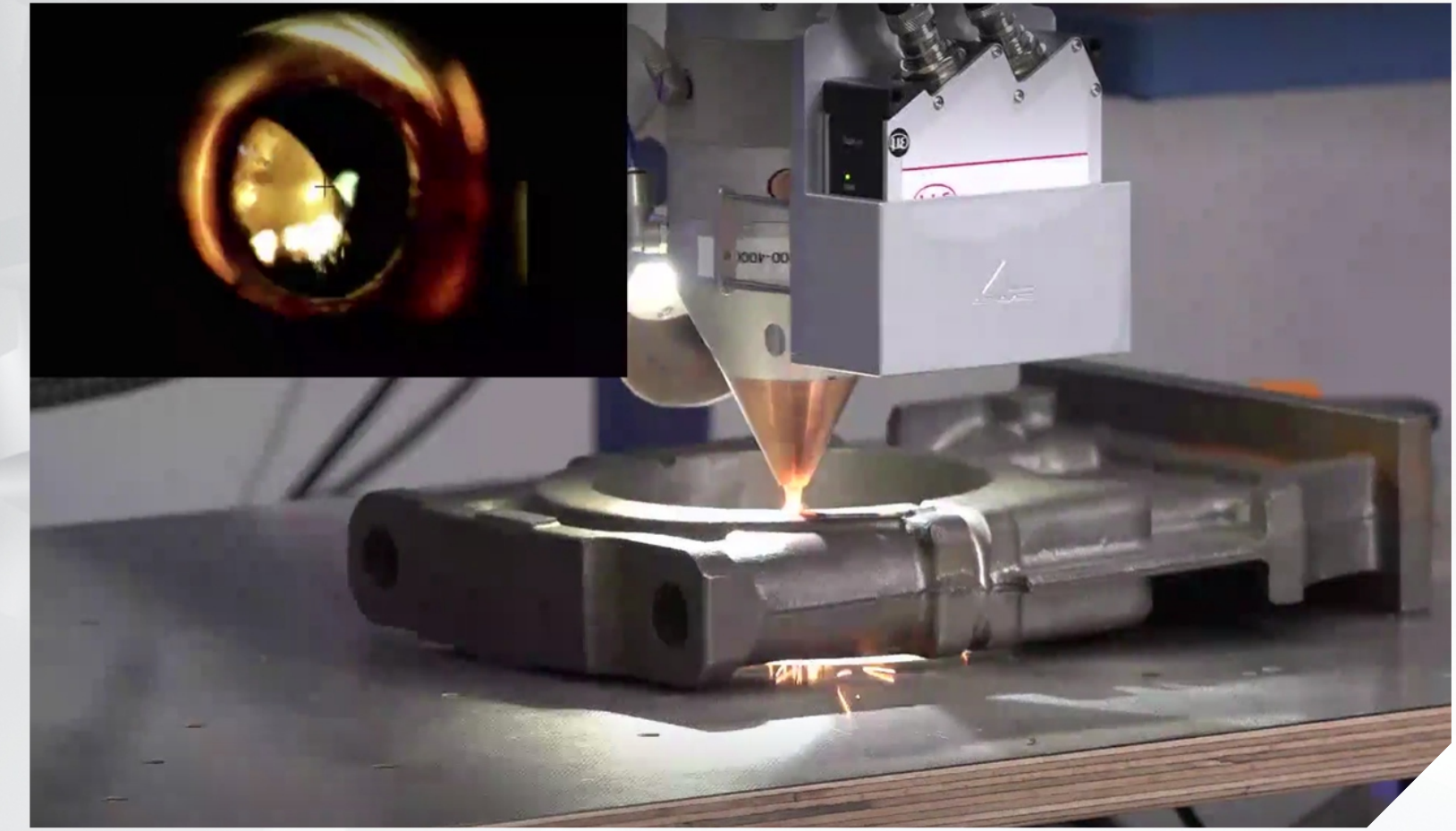

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Additive Manufacturing  via Laser Powder Cladding onto a 3D Surface for automated repair of complex geometries

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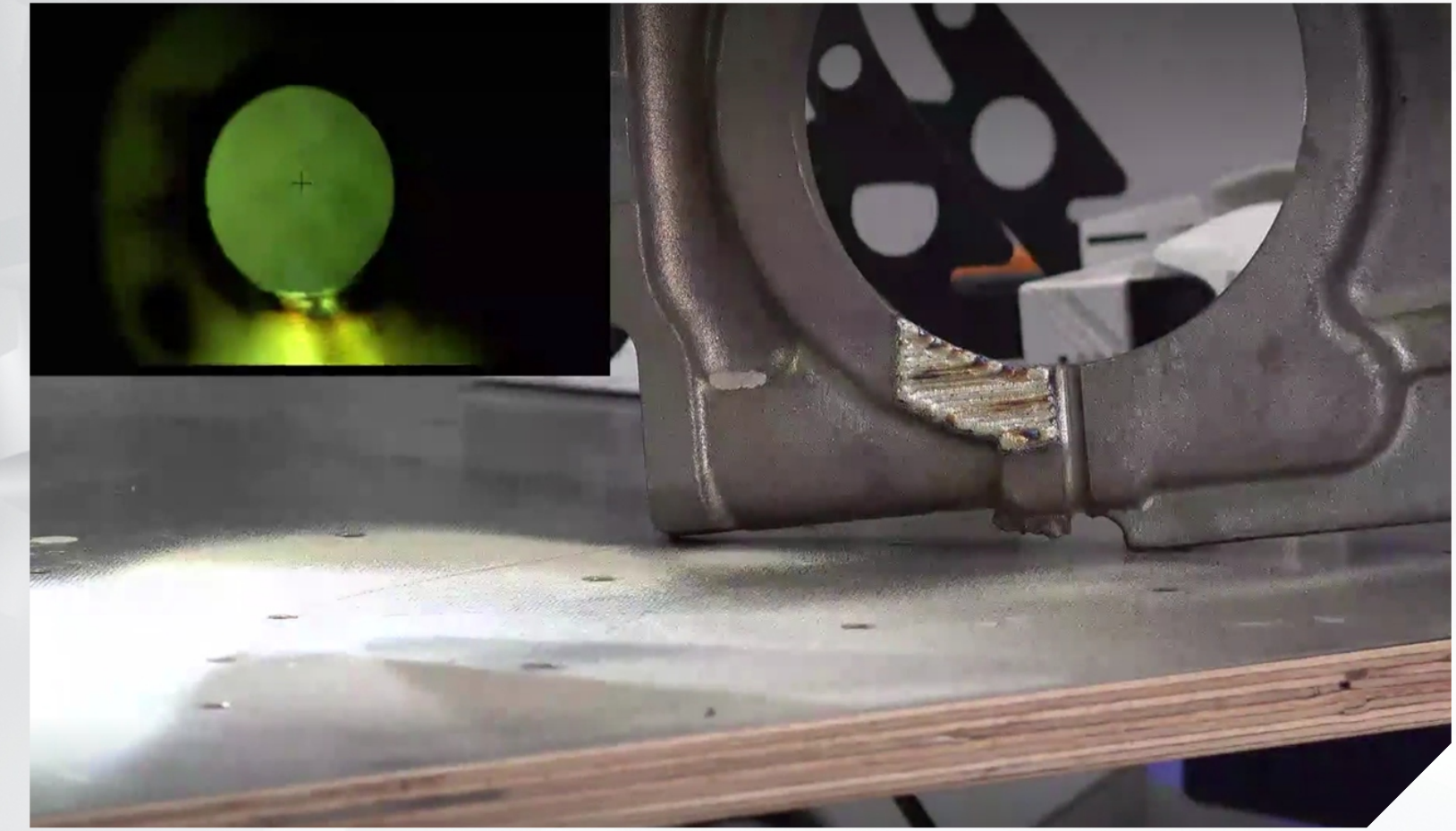

Laser Powder Cladding Results complete holding +/- .010
Tollerence deposition height - part ready for post work clean up

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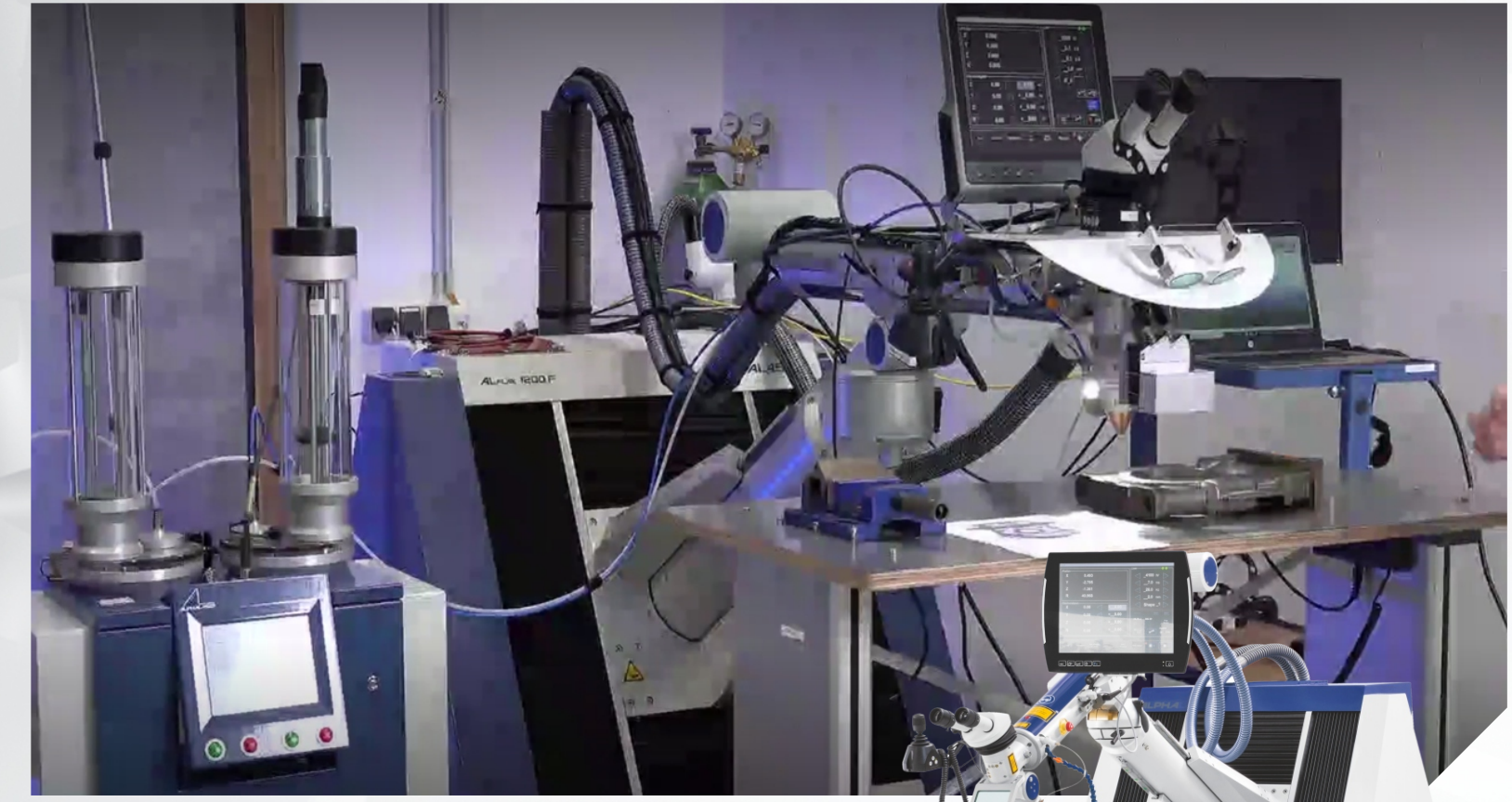

New Alpha Laser AL Flak 1200 Fiber Laser with Mabotix Scan Camera to create 3D Files for Additive Manufacturing repair processes.

Seen here: Al Flak 1200F, Mabotics Scan Camera, Powder Conveyer, Powder Nozzle and Integrated Software. A complete turnkey Additive Manufacturing System by Alpha Laser.

Please contact us for a Live Demonstration and visit our website at **alphalaser.com** for more information.

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