

# ZEISS AM in-process

**ZEISS Additive  
Manufacturing Solutions**



Seeing beyond



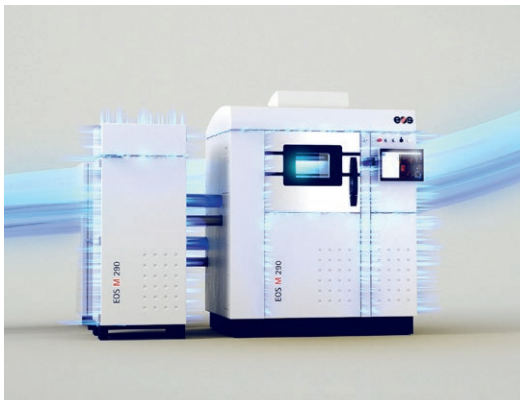
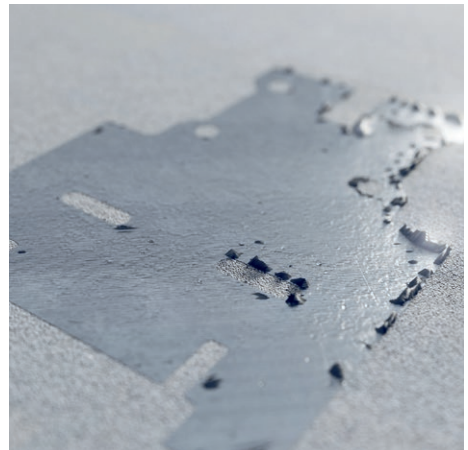
# ZEISS AM in-process

## In-process and post-print powder bed analysis increases productivity and efficiency

Using a patented technology from ZEISS, all features of the powder bed are captured with high precision for thorough, reliable analysis. Defects are automatically detected and classified. The classification allows both preventive and corrective measures to be implemented for each defect class. Thus, the additive manufacturing process is monitored, supported, and documented.

### Benefits:

- During printing, defects are identified and corrected as they arise, thereby increasing the productivity of the machine and reducing scrap
- Communication interface between ZEISS AM in-process and AM machine enables automatic correction of the powder bed, resulting in resource-optimized production
- Analysis of individual layers in real time and evaluation of the complete build job, for a holistic understanding of the manufacturing process



### ZEISS and EOS cooperate in the field of powder bed monitoring system for 3D printing

As part of the cooperation, ZEISS AM in-process will be integrated into EOS DMLS systems.

This gives customers the opportunity to monitor the quality of the powder bed during the production process and afterwards, and to intervene manually or automatically according to predefined rules, if necessary.

The technology will be available for the EOS M 290 systems, both for already installed and new machines.



[zeiss.com/metrology/solutions/additive-manufacturing.html](https://zeiss.com/metrology/solutions/additive-manufacturing.html)  
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