

ASURE3D™ Atmosphere Control.

Managing perfection in additive manufacturing.



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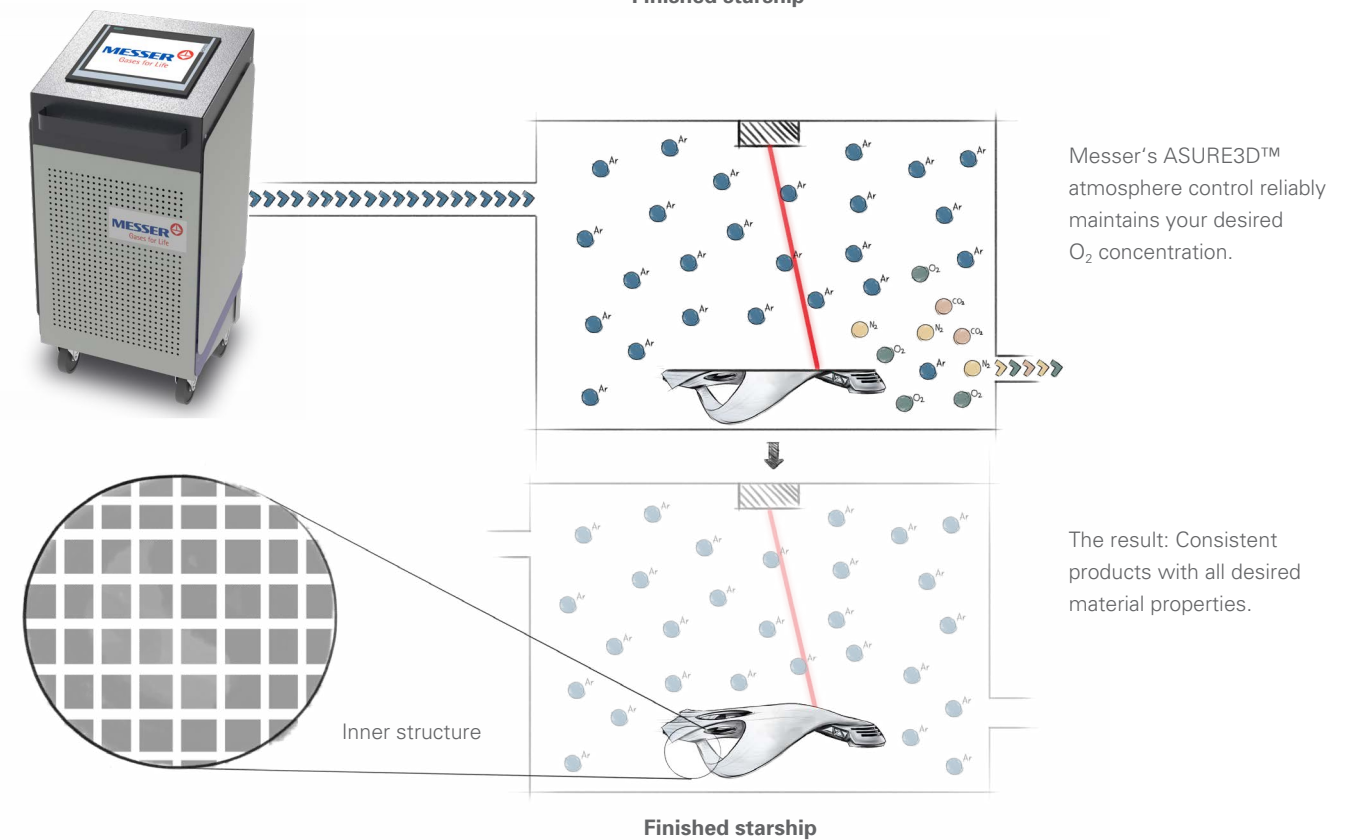
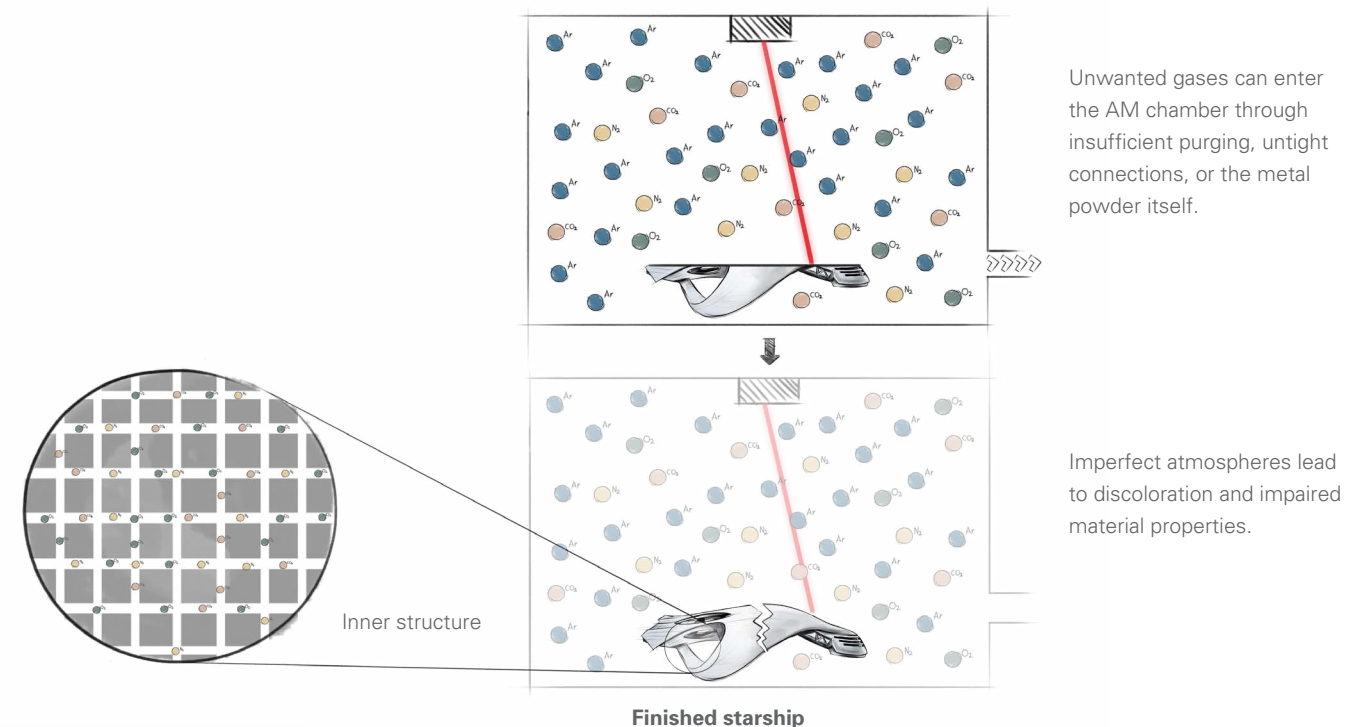
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The right gas composition for your AM jobs.

High-end Additive Manufacturing relies on perfect gas composition to generate products with material properties that meet all of your requirements.

Messer's ASURE3D™ atmosphere control is the first solution that lets you define an optimal oxygen level for your material and application.



State-of-the art engineering.

Messer's ASURE3D™ atmosphere control uses state-of-the-art engineering to continuously analyze the gas atmosphere in your powder chamber with high precision and without cross-sensitivity. It recognizes O₂ concentrations as low as 10 ppm and automatically initiates a purging process to keep the atmosphere as pure as you need it.

This enables you to choose the right atmosphere for any metal and application and provides consistent high quality with fully unimpaired material properties. Simply the ideal solution wherever maximum quality is the minimum objective.

ASURE3D™ atmosphere control

- Space-saving and universally deployable
- Simple Plug-and-Play connectivity
- Ergonomic touch interface
- No cross-sensitivity
- 10 ppm accuracy
- Monitoring of dew point
- Indication of H₂ traces

