

The best gas solutions for additive manufacturing.

Additive manufacturing (AM) doesn't begin or end inside a powder bed. It's a long process that links the different functions of powder production, 3D printing, post-processing and powder handling into a synergistic whole. Making sure that the final result is up to par requires excellence in each of these areas, as well as the perfect gas or gas mixture for each application. And that's exactly what Linde Gas provides.

Because we realise how important all of these process steps are, we support them with cutting-edge technologies, solutions and gases that were meticulously designed for the particular requirements of additive manufacturing. So whatever part of the value chain you're contributing to, Linde Gas makes sure you're always at the top of your game.



Optimised powder production.

Sophisticated powder metallurgy lays the foundation for exemplary products. Linde Gas optimises your powder production process to create high-quality metal powders perfect for any application.



Secure powder handling.

→ Additional equipment storage space

→ Protects up to 240 kg of powder

Metal powders aren't just sensitive to atmospheric influences, they're also a potential health hazard. Linde Gas enables you to handle and store them safely at all times.



Flawless 3D printing.

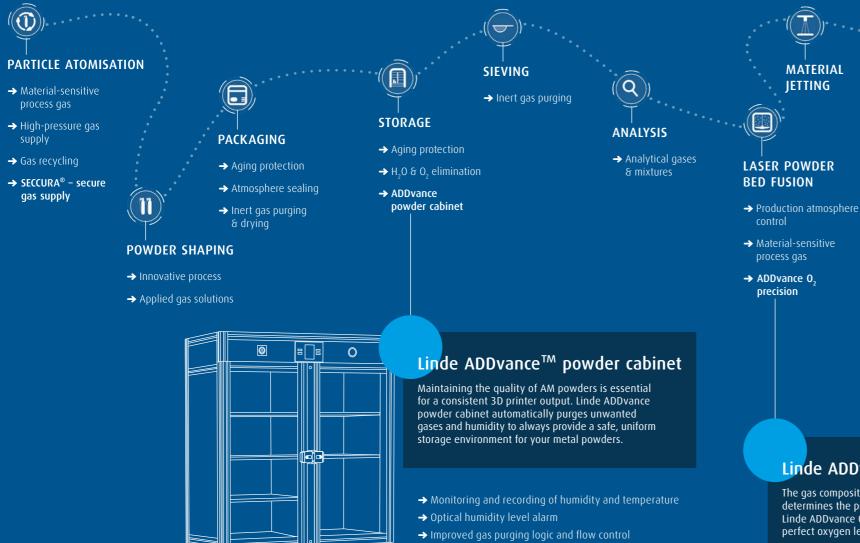
The quality of the actual AM process depends on many variables. Linde Gas gives you full control of them all – and with it, the power to create anything.



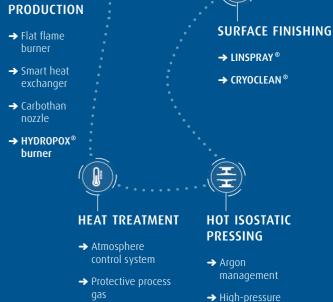
INHOUSE PART

Enhanced post-processing.

A finished fusion process doesn't result in a finished product. Most workpieces require extensive post-processing before their properties meet all requirements. Linde Gas makes sure that the structure and surface of your products are always up to the highest standards.



IAL MIRE ARC ADDITIVE MANUFACTURING → Material-sensitive process gas JETTING Active cooling LASER METAL DEPOSITION High-performance process gas



Linde ADDvance™ O₂ precision

The gas composition in your 3D printer unit determines the properties of the finished product. Linde ADDvance $\rm O_2$ precision lets you define the perfect oxygen level for your application.

→ Simple plug-and-play connectivity

gas supply

→ Innovative process

- → Ergonomic touch interface
- → High detection accuracy
- → Indication of H₂ traces
- → Monitoring of dew point