Linde Launches New Gas Mixture for Optimal Sintering in Innovative Desktop Metal™ Studio System

- Advanced argon/hydrogen mixture will ensure the perfect atmosphere in sintering furnace
- Ensures integrity and strength of printed parts for world-first office friendly 3D printing system
- Allows smaller manufacturers to undertake quality prototyping and small batch production volumes
- Customized installation kit ensures easy implementation and faster time to operation

**Guildford, UK September 21st 2020** – Linde (NYSE: LIN; FWB: LIN) today announced the launch of ADDvance® Sinter250, a new gas mixture to deliver optimal atmospheric conditions in sintering furnaces as part of Desktop Metal’s Bound Metal Deposition™ process. Desktop Metal is a US-based leader in 3D printing technologies and the advanced argon/hydrogen mixture has been developed for the company’s European customers for use with its Studio System™, the world’s first office-friendly metal 3D printing system.

Linde will also supply customized installation kits to simplify implementation of Studio System, allowing for faster start times, as well as consultancy services to advise on gas supply options and best practice for cylinder storage.

Suitable for offices and smaller manufacturing environments, Studio System allows greater access to 3D printing capabilities than the typical laser printer in terms of affordability and its relatively smaller footprint.

In the Bound Metal Deposition process, atmospheric conditions are critical to ensure a high-quality, high-strength part. Without the right atmosphere, the part could oxidize, causing not only discolouration but weakening the part’s integrity.

“Linde has long been a pioneer in the development of innovative gas mixtures to optimize manufacturing processes”, said Pierre Forêt, Senior Expert Additive Manufacturing. “In this rapidly developing world of additive manufacturing, we are delighted to be collaborating with an innovator in the space such as Desktop Metal to supply this gas mixture to their customers.”

The Desktop Metal Studio System is especially suitable for small workshops, design bureaus and larger organizations such as automotive manufacturers that need to undertake prototyping and small batch production volumes.

“Linde has developed a standard gas offering optimized for Studio System and is able to offer this streamlined solution to our European Desktop Metal customers,” said Arjun Aggarwal, VP of Business Development & Product. “This enables us to expand our horizons and bring added value to our business.”

The tailored argon/hydrogen mix of ADDvance Sinter250 is for use on parts made from stainless steel powders, but Linde will also supply a pure argon 5.0 gas for the manufacture of parts made from low alloy steel and tool steel powders.
About Linde
Linde is a leading global industrial gases and engineering company with 2019 sales of $28 billion (€25 billion). We live our mission of making our world more productive every day by providing high-quality solutions, technologies and services which are making our customers more successful and helping to sustain and protect our planet.

The company serves a variety of end markets including chemicals & refining, food and beverage, electronics, healthcare, manufacturing and primary metals. Linde’s industrial gases are used in countless applications, from life-saving oxygen for hospitals to high-purity specialty gases for electronics manufacturing, hydrogen for clean fuels and much more. Linde also delivers state-of-the-art gas processing solutions to support customer expansion, efficiency improvements and emissions reductions.

For more information about the company and its products and services, please visit www.linde.com

About Desktop Metal
Desktop Metal Inc., based in Burlington, Massachusetts, is accelerating the transformation of manufacturing with end-to-end 3D printing solutions. Founded in 2015 by leaders in advanced manufacturing, metallurgy, and robotics, the company is addressing the unmet challenges of speed, cost, and quality to make 3D printing an essential tool for engineers and manufacturers around the world. Desktop Metal was selected as one of the world’s 30 most promising Technology Pioneers by the World Economic Forum; named to MIT Technology Review’s list of 50 Smartest Companies; and recognized among the most important innovations in engineering in Popular Science’s “Best of What’s New.” For more information, visit www.desktopmetal.com

Media contact:
Susan Brownlow
Public Relations Consultant
Linde
Telephone: +44 7739 456292
Email: susan.brownlow@wordsforindustry.com