

A 3D printing machine with a transparent enclosure. Inside, two blue, lattice-structured parts are being printed on a black base. A control interface is visible on the right side of the machine, displaying a progress bar at 87%, a timer at 18:47, and various settings. The Festo logo is in the top right corner.

FESTO

Additive Manufacturing

Additive manufacturing in mass production is evolving quickly. Artificial intelligence can play a big role in that development. By optimizing sensor data and process data, it interactively influences the condition of your machine. In addition, it can help to reduce production errors, save energy, printing materials and optimize processes for predictive quality and reduced downtime.

As one of the founders of modern pneumatic technology, Festo has a long history of handling gases in various applications and different environments. Our experience is not only limited to compressed air – we are also experts in regulating inert gas flows like argon, nitrogen or CO₂. The flow of liquids, powders and other materials, too, can be easily regulated with our media valves.

And we are not just specialists in pneumatic motion, we cover a range of solutions, including electric servo solutions. So we can provide you with a technology-independent system that perfectly matches your needs.

Use the QR codes to get more information and register to download our:



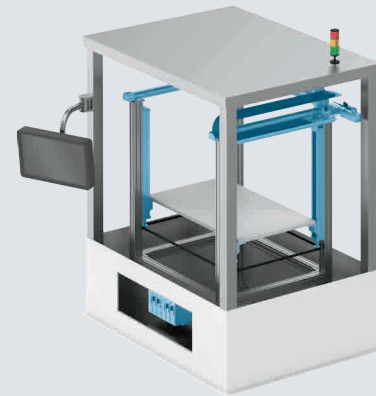
Solution Guide

Shaping the future of production with additive manufacturing

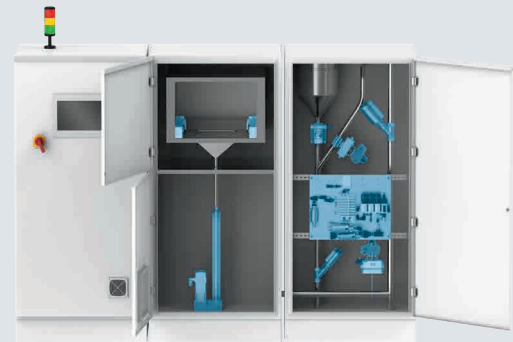


Whitepaper

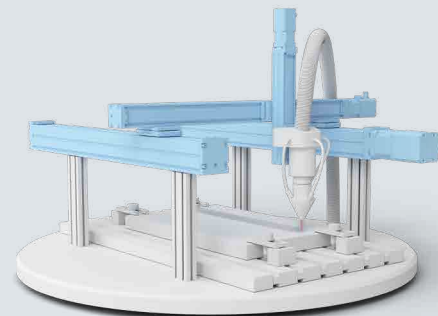
What would happen if we would prevent the error?
Condition Monitoring versus Artificial Intelligence



Material Extrusion



Laser Fusion



Direct Energy Deposition