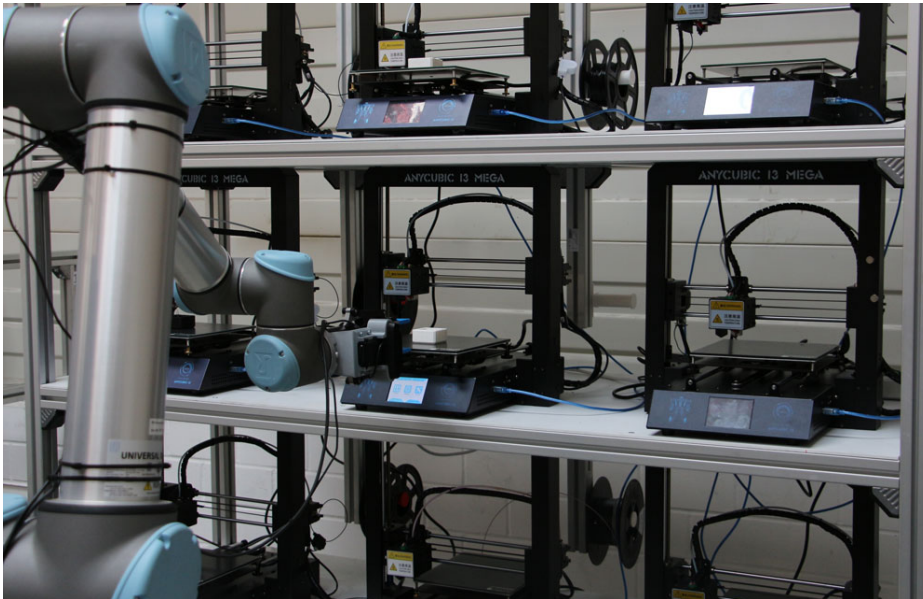


## Automated 3D printing for highly individual production



### Auf einen Blick

- Linking of manufacturing steps
- Automation of process chains
- Additive manufacturing of plastic parts
- Mass production thanks to additive manufacturing

28. 2019

**IPH | By automating process steps, additive manufacturing can be integrated into industrial value chains. The Institut für Integrierte Produktion Hannover (IPH) gGmbH has been designing a process chain linking 3d printers and mounting stations automatically.**

There is a great market demand for individual products. However, customers are not ready to pay for them. One approach to solve this conflict is automated additive manufacturing – also known as 3D printing.

Within the scope of a research project, IPH researchers have been designing a demonstrator process chain linking several additive extrusion systems for the production of plastic parts with downstream mounting stations automatically. The core of the overall concept is a printer farm: a rack with several 3D printers. By using several smaller systems, the output of a large production plant can be achieved with considerably less investment costs. To evaluate the results, IPH produces sample parts, which are then processed by mounting stations.

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