

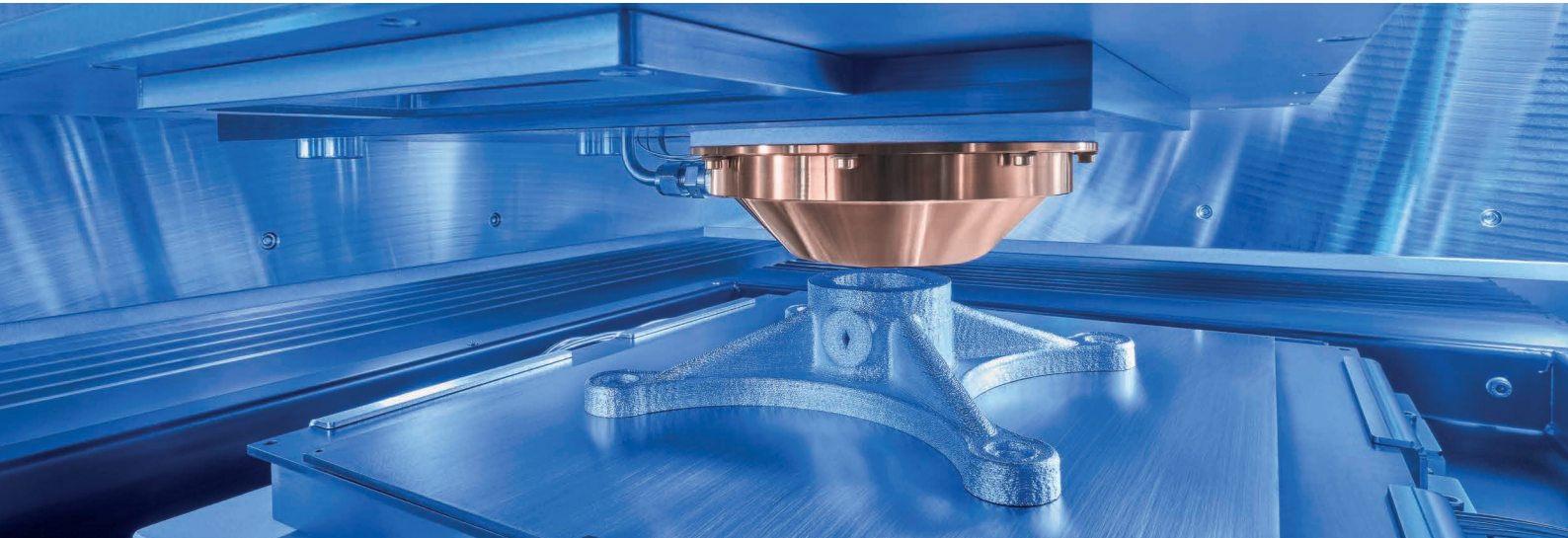
# ADDITIVE MANUFACTURING



LIQUID METAL PRINTING – GMP300



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## Liquid Metal Printing – GMP300

**FUTURE-ORIENTED, ECONOMICAL & FLEXIBLE:** Thanks to the powder-free manufacturing process, the GMP300 from GROB enables safe and fast production of near net shape components. With the GMP300, we offer our customers reliable, efficient and cost-conscious plant technology with maximum production flexibility. Together with you, we develop additive-compatible components and thus unlock the full potential for your production.

| TECHNICAL DATA                 |   |
|--------------------------------|---|
|                                | GMP300  |
| Build Volume                   | 300x300x300 mm <sup>3</sup>                             |
| Positioning accuracy           | 0.015 mm  |
| Var. drop diameter min./max.   | 0.4/0.7 mm  |
| Max. calculated build rate     | 320 cm <sup>3</sup> /h (500 Hz at 700 µm drop diameter) |
| Building panel preheating max. | 650 °C  |
| Control system                 | Beckhoff TwinCat  |

Subject to technical changes without prior notice

### Key Facts:

- ⊕ 3-axis kinematics
- ⊕ Max. axis speed: 30 m/min
- ⊕ Assembly space with inert building chamber
- ⊕ Processing aluminium alloys
- ⊕ Wire as raw material
- ⊕ Reduced hazard potential due to omitted powder handling
- ⊕ Sensors for process and system monitoring (droplet, nozzle and part height monitoring)



① 180 Hz printing frequency; 590 µm drop diameter; 115 min print time  
② 150 Hz printing frequency; 685 µm drop diameter; 160 min print time

**CONTACT NOW YOUR GROB CONTACT PERSON IN THE FIELDS OF ADDITIVE MANUFACTURING:**

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