

# DMP Flex 350 DMP Factory 350 Series

Expanded mid-frame direct metal printing configurations for rapid serial production



## High Precision, High Throughput

The DMP Flex 350/DMP Factory 350 Series combines high throughput and high repeatability to generate precision quality parts from a broad range of alloys. The metal AM system integrates metal 3D printing with Oqton's 3DXpert software, thoroughly qualified materials and expert application support. With two-laser configurations, the DMP Flex 350 Dual and DMP Factory 350 Dual continue to deliver high quality parts while boosting productivity for lower operational costs.

## DMP Flex 350 and DMP Factory 350

### HIGH QUALITY POWDER\* & PROCESS MANAGEMENT

- Integrated powder handling and automatic sieving\*
- Consistent, low O<sub>2</sub> environment (<25 ppm)
- High powder recyclability—improved powder usability lifetime

### DESIGNED FOR SCALING METAL AM PRODUCTION

- Small footprint for reduction of overall required floor space\*
- Automated workflow steps
- Material-type dedicated\*
- Real-time process monitoring with DMP Monitoring

### HIGH THROUGHPUT METAL 3D PRINTING

- Fast bidirectional material deposition
- Short change-over time—high printer utilization
- Optimized scan strategies for maximum productivity

### HIGH REPEATABILITY FOR HIGH QUALITY PARTS

- Purest atmosphere during printing, consistent, low O<sub>2</sub> environment (<25 ppm)
- Excellent microstructure, very high density
- Repeatable, stable mechanical properties
- Consistent accuracy—part to part—machine to machine
- Thoroughly developed and tested print settings

### FLEXIBLE APPLICATION USE

- Ideal for application development, production and R&D
- Easily scalable, due to consistent machine to machine performance

## DMP Flex 350 Dual and DMP Factory 350 Dual

DMP Flex 350 and DMP Factory 350 systems now come in a two-laser configuration, reducing build times by up to 50 percent. The Dual configuration boosts productivity while maintaining high quality and repeatability, yielding lower operational costs.

Our Dual configurations feature our signature vacuum chamber with industry-leading O<sub>2</sub> handling and an intuitive user interface with guided print cycles. Additionally, the DMP Factory 350 Dual integrates powder management into the printer.

### LOW TOTAL COST OF OPERATION (TCO) FOR AFFORDABLE PER PART COSTS

- Automated processes
- High powder recyclability
- Low usage of consumables
- Small footprint

