

***ALTFORM**

PRINT 300 SERIES



POWDER BED FUSION

Industrial-grade additive manufacturing
for continuous production



Modular platform:
1, 2, or 4 lasers



**Automatic chamber
extraction system**



**Advanced filtration
and gas management**



**AI-powered HMI
with virtual assistant**

High productivity and precision for industrial metal additive manufacturing

The Print 300 Series is built for **continuous production of medium and large components**, combining productivity, safety, and process control in a compact, modular platform.

Available in **three configurations**: Print Sharp 300 (single laser), Print Genius 300 (dual laser), and Print Brilliance 300 (quad laser), it scales seamlessly from R&D to full industrial manufacturing.

EFFICIENT WORKFLOW AND POWDER HANDLING

An **automatic chamber extraction system** enables **safe external depowdering and rapid changeovers**.

Flexible powder management options: from manual loading to fully **automated closed-loop systems** to ensure efficiency, repeatability, and operator protection in every production setup.

INTELLIGENT USER EXPERIENCE

The **AI-powered Human-Machine Interface** introduces a new level of connectivity and control.

It provides **real-time optimization**, **AI assistant**, **predictive maintenance**, and **blockchain-based traceability**, with **remote and mobile access** for a smarter, faster, and more reliable production workflow.

ADVANCED FILTRATION AND SAFETY

A **next-generation solid-state filtration system** maintains stable gas conditions, reduces nitrogen or argon consumption, and **fully passivates reactive condensate**. This ensures maximum safety, consistent print quality, and minimal maintenance downtime.

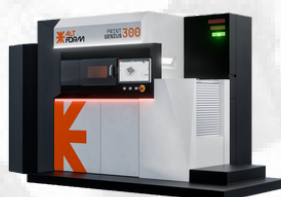
CUSTOM AUTOMATION SOLUTIONS

AltForm develops **custom automation setups** that connect multiple Print 300 systems into integrated production lines. From **powder handling** to **robotic part transfer**, we design solutions that fit your workflow, turning additive manufacturing into a connected, scalable, and efficient process.



Print SHARP 300

Single Laser



Print GENIUS 300

Dual Laser



Print BRILLIANCE 300

Quad Laser

Build volume	330 x 330 x 450 mm - Removable working chamber
Laser type	1, 2, or 4 x Yb 500 / 700 / 1000W IR single mode (100% overlap)
Laser beam diameter	80 µm (on focus) - Beam shaping available on request
Layer thickness	20 - 120 µm
Build rate	up to 4 x 100 cm ³ /h
Power supply	380 V / 50 Hz / 25 kW / 32A
O ₂ level monitoring	Below 100 ppm (0.01%)
Shielding gas	Nitrogen, Argon
Dimensions	3900 (W) x 2100 (D) x 2500 (H) mm
Weight	5000 kg



WWW.ALTFORM.COM

INFO@ALTFORM.COM