ALTFORM

PRINT 200 SERIES

POWDER BED FUSION

Flexible productivity for growing ambitions

- **Single or dual laser** configurations
- **AI-powered HMI** for smart process control
- **Compact footprint,** industrial performance
- **Open-parameters:** true process ownership

Versatile PBF platform for prototyping and small-batch production

Designed for versatility, the Print 200 Series provides a medium build volume and a **compact**, **cost-efficient architecture** ideal for production and process development.
Available in **two configurations**: Print Sharp 200 (**single laser**) and Print Genius 200 (**dual laser**), it's the ideal choice for companies that want to **move from application development to repeatable production**.

STREAMLINED PRODUCTION WORKFLOW

A **detachable build area** allows **external depowdering** and **fast cleaning**, reducing machine downtime. A **bidirectional recoater** shortens cycle times, and **powder loading from the top** keeps operations simple and safe. Optional **depowdering units and powder recovery accessories** make the system suitable for industrial environments.

INTELLIGENT CONTROL AND PROCESS INSIGHT

Equipped with AltForm's **AI-powered HMI**, the Print 200 Series supports **real-time process control**, **AI assistant for parameter suggestions**, predictive maintenance, and **remote monitoring**, enabling both process engineers and operators to manage jobs efficiently. With **Open Parameters**, users can qualify new materials, run R&D jobs, and then lock the process for production.

TAILORED INDUSTRIAL CONFIGURATION

AltForm can customize the system for specific alloys, process strategies, or workflow requirements, ensuring the right balance between performance and precision. Whether for material qualification, component validation, or small-batch production, the Print 200 Series evolves with your applications: a scalable tool for real industrial progress.

Print SHARP 200
Single Laser

Print GENIUS 200
Dual Laser

Build volume	Ø 200 x 200 mm
Laser type	1 or 2 x Yb 200 / 300 / 500W IR single mode (100% overlap)
Laser beam diameter	60 µm (on focus)
Layer thickness	20 - 80 µm
Build rate	up to 50 cm^3/h
Power supply	220 V / 32 A / 50 Hz
O_2 level monitoring	Below 100 ppm (0.01%)
Shielding gas	Nitrogen, Argon
Dimensions	1100 (W) x 600 (D) x 1800 (H) mm
Weight	1500 kg