SMART AUTOMATION, SEAMLESS INTEGRATION

AltForm brings automation to the heart of manufacturing. We design modular production lines that connect multiple additive and laser systems into one integrated workflow, reducing downtime, optimizing efficiency, and improving safety.

POWDER MANAGEMENT EXPERTISE

Our centralized powder management systems handle large volumes of metal powder safely and efficiently. They automate sieving, recovery, and refilling in a closed loop, minimizing waste and maximizing uptime.

LASER EXPERTISE AND WAVELENGTH FLEXIBILITY

With deep knowledge of laser physics and process interaction, AltForm customizes its systems to match any production need: from high-power infrared sources to short-wavelength lasers (green or blue) for processing reflective or precious metals with superior stability and quality.

CUSTOMIZATION AND CONTINUOUS IMPROVEMENT

Every AltForm system is designed to evolve. We work alongside our customers to tailor configurations, develop new processes, and optimize performance over time. This is our philosophy of continuous improvement: creating solutions that grow with your production and your ambitions.

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ALTFORM

Our pioneering solutions.
Your competitive edge.

We design **advanced laser systems** and **automated production solutions** that combine precision, scalability, and intelligence, enabling industries to **transform ideas into reliable, efficient, and sustainable production**.

Experience in advanced laser systems

Born from **Prima Additive by Sodick**, **AltForm** builds on over a decade of expertise in **laser-based manufacturing technologies**. Having developed **Powder Bed Fusion** (PBF) and **Direct Energy Deposition** (DED) systems that helped **industrialize metal additive manufacturing** across Europe, we now expand our scope to a **broader range of advanced laser processes**.

As part of the **Sodick Group**, a global leader in precision engineering, AltForm combines **Italian innovation** and **Japanese precision** to create scalable, intelligent, and reliable industrial solutions.

Laser Powder Bed Fusion

Our PBF platforms combine **open parameters**, **safe powder management** options, and **customizable automation** with an **AI-powered human-machine interface**, delivering efficiency and flexibility for **industrial-scale additive manufacturing**.

PRINT 100 Series

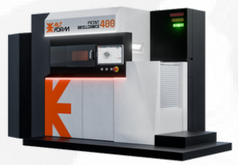
Compact systems for high-precision parts and R&D applications
Build volume Ø130 × 130 mm
Single IR or Blue laser

PRINT 200 Series

Versatile platform for small series production and material qualification
Build volume Ø200 × 200 mm
Single or Dual laser

PRINT 300 Series

Scalable productivity for medium-to-large components
Build volume 330 × 330 × 450 mm
Single, Dual, or Quad laser



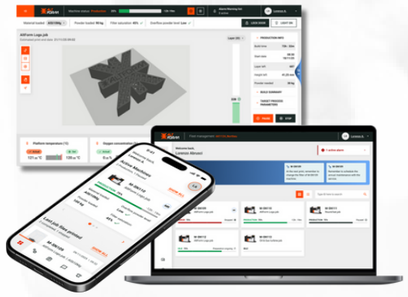
PRINT 400 Series

Industrial power for large-scale metal parts
Build volume 420 × 420 × 450 mm (standard)
420 x 420 x 1000 mm (XL)
Dual or Quad laser

AI-Powered Interface

AltForm's HMI brings intelligence and connectivity to metal additive manufacturing: smart and data-driven operations, accessible from any device.

* **Real-time optimization** for consistent quality
* **AI Assistant** for real-time support
* **Blockchain traceability** for certified data integrity
* **Remote access** from machine, desktop, or mobile



Direct Energy Deposition and Advanced Laser solutions

AltForm's DED and laser processing systems expand the boundaries of metal manufacturing. They are designed for the **construction**, **repair**, and **coating** of complex metal parts using **powder or wire feed technologies**, and can integrate multiple processes within the same robotic cell.

OUR TECHNOLOGIES

* **Powder DED** - Build, repair, and coat with best-in-class mechanical properties
* **Wire DED** - Efficient, clean, and ideal for structural builds
* **WAAM** - A robust, cost-effective solution for producing very large metal parts
* **Rapid Coating Systems** - Specialized high-throughput laser cladding
* **Remote Laser Welding** - High-speed, precise joins with low distortion
* **Laser Hardening** and other surface treatments

The ZENIT Series robotic cells can be configured with a single process or in a multi-process version, integrating two processes within a single system.

ZENIT single process

Designed for dedicated applications: delivers high productivity with maximum process stability.
Build volume 1600x 1200 x 700 mm

ZENIT multi process

A fully integrated system combining two different processes within the same robotic cell.
Build volume 1600x 1200 x 700 mm

ZENIT inert chamber

Equipped with a sealed, inert environment for reactive materials such as titanium and aluminum.
Build volume 800 x 800 x 650 mm

RC Proto

Designed for prototyping and low-volume validation
Load/unload: Manual
Coated discs/year: ca. 10.000

RC Flex

A highly flexible and scalable cell for mixed production
Load/unload: Automatic
Coated discs/year: ca. 150.000

RC Fast

A high-throughput cell with double laser heads for maximum productivity
Load/unload: Automatic
Coated discs/year: ca. 250.000

Custom systems and integrated automation

Whether you need a **tailored machine** or a **complete automated line**, AltForm can make it happen. We design and build **custom laser systems** configured to your exact process requirements, and we've already delivered **automated production lines** connecting multiple laser technologies within a single workflow.

We can do the same for your application: creating a **scalable**, **integrated solution** optimized for your production. Our engineering team works side by side with you, ensuring every solution is precisely aligned with **your productivity goals**.