

4 Laser Processes

The system can be equipped with one of these processes, or configured to host two, using the same or more laser sources on the same robot, with the possibility of automatically changing the head to switch from one process to another.



Powder DED

Additive process that allows metal powder to be deposited at the focal point of the laser to build, repair or coat components

Wire DED



Direct deposition based on metal wire, which is melted thanks to the thermal energy of the laser



Laser Welding

The laser energy joins two metal components together. Proximity or remote welding options available

Laser Hardening



The process allows to harden the metal and increase its resistance to wear thanks to the thermal interaction with the laser

IANUS

MULTIPROCESS ROBOTIC CELL



Open platform with robotic arm equipped with different technology solutions for maximum flexibility

Powered by

SIEMENS

Technical data



Working volume	1600 x 1200 x 700 mm
External dimensions	3552 x 2751 x 2425 mm
Weight	2000 Kg
Power supply	400 V / 50 Hz / 20 kW
N. of integrated axes	6 to 8
Axes speed	200°/s (acceleration 300°/s ²)
CAM Software	NX Siemens
CNC Software	SINUMERIK ONE Siemens

Ready for the factory of the future with Siemens

The IANUS cell presents a series of functional solutions for its integration within the factory of the future. In fact, it was developed by Prima Additive in collaboration with Siemens, a market leader in the field of technologies for Industry 4.0.

Thanks to the integration between Prima Additive and Siemens, it is possible to easily insert this system into your company: first of all thanks to the integrated use of the CAD-CAM-CNC chain made possible by NX and SINUMERIK, but also thanks to the integration of digital and data management solutions, which allow you to visualize and manage production through the Mindsphere ecosystem and EDGE Computing. Another powerful tool is represented by the digital twin, built on the Create MyVirtual Machine platform, which allows the user to simulate production outside the machine.

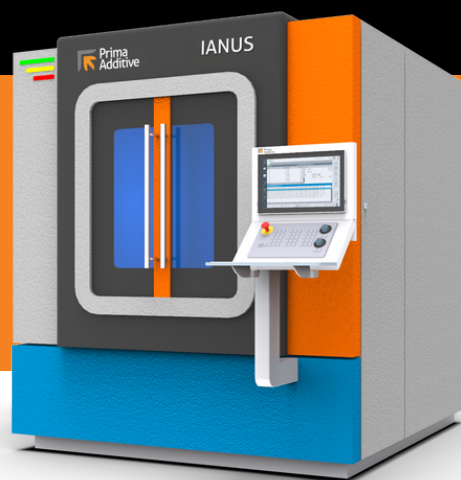
Industry 4.0

All Prima Additive machines and systems are in line with the directives for the transition to Industry 4.0.

Ask us for more information on the connectivity of our systems!

Contact us

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about IANUS**