

ARCREO

Additive Manufacturing



Weld3X – 3 axis

WELD3X 3D PRINTERS

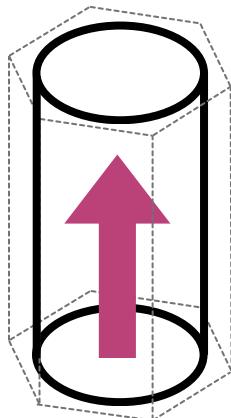
The ARCreo 3X line offers **3-axis** machines, ideal for the additive manufacturing of precision metal components with simple and efficient configurations, combining **versatility, reliability** and **high quality**.

KEY ADVANTAGES

- ① **Intuitive interface** and optimized design – immediate usability and minimal learning time.
- ② High-precision 3-axis motion – maximum freedom and control for **superior print quality**.
- ③ **Modular build plate** for customized configurations – easily adapts to a wide range of materials and industrial applications.



WELD3X-500800



TECHNICAL SPECIFICATIONS

Deposit rate: 1 – 4 kg/h
Layer height: 0.8 – 2 mm
Bead width: 2.5 – 10 mm
Printing speed: 4 – 20 mm/s
Travel speed: 250 mm/s
Build platform: modular perforated plate
User interface: 15" LCD display
Inputs: USB 3.0
Power supply: 230/400 V

PHYSICAL SPECIFICATIONS

Build volume: Ø500 x h 800 mm
External dimensions: Ø1200 x h 1800 mm
Weight: 380 kg

WELDING GENERATOR

Fronius TPSi 400 CMT
Fronius iWAVE 400 Additive Pro

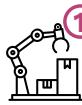
Weld6X – 6 axis



WELD6X 3D PRINTERS

The ARCreo 6X line integrates **collaborative robots** with a reach of 1300 or 1900 mm, offering advanced solutions for the additive manufacturing of **complex and large metal components**.

KEY ADVANTAGES



Maximum freedom of movement – The 6-axis robotic arm ensures total flexibility and precision on complex geometries.

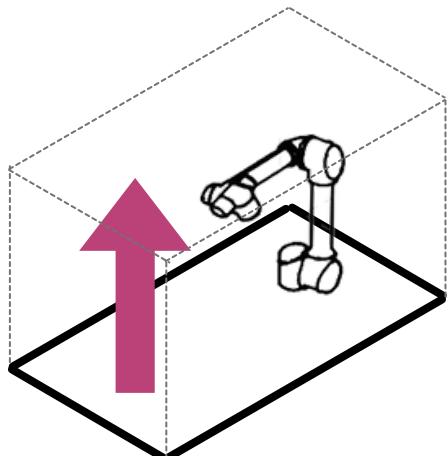


Unlimited versatility – The modular table adapts to any requirement, guaranteeing stability and **customizable setups**.



Intuitive control – The **advanced graphical interface** reduces machine preparation times and maximizes operational efficiency.

WELD6X-1300/1900



TECHNICAL SPECIFICATIONS

Deposit rate: 1 – 4 kg/h
Layer height: 0.8 – 2 mm
Bead width: 2.5 – 10 mm
Printing speed: 4 – 20 mm/s
Travel speed: 250 mm/s
Build platform: modular perforated plate
User interface: 15" LCD display
Inputs: USB 3.0
Power supply: 230/400 V

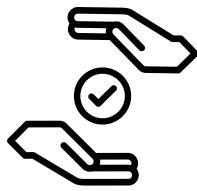
PHYSICAL SPECIFICATIONS

Robot reach: 1300 / 1900 mm
Footprint (1300): 1400 x 2600 x h 2150 mm
Footprint (1900): 1700 x 3200 x h 2150 mm
Weight: 730 / 1020 kg
Maximum travel speed: 100 mm/s

WELDING GENERATOR

Fronius TPSi 400 CMT
Fronius iWAVE 400 Additive Pro

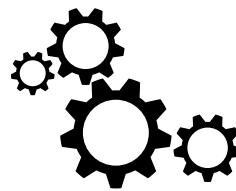
ARCreo: Advantages and Benefits



-27 %

REDUCED LEAD TIMES

ARCreo overcomes issues related to spare part availability by significantly **reducing production times compared to traditional techniques**. It also enables substantial savings in energy consumption, equipment, and raw materials.



-33 %

REDUCED MATERIAL WASTE

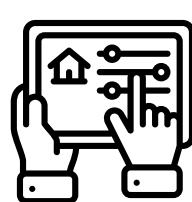
Layer-by-layer construction using molten wire allows for **precise control of material usage**, lowering the buy-to-fly ratio (the ratio between purchased material and material used in the final part).



+16 %

DESIGN INNOVATION

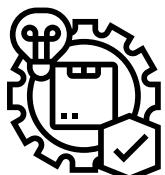
It enables the creation of complex shapes and levels of customization that traditional manufacturing methods cannot offer, providing **maximum design freedom and tailored results**. Ideal for both production and component repair.



+83 %

ON-DEMAND MANUFACTURING

Perfect for rapid, **customized prototyping or small production batches**. Components can be produced directly on request, reducing the need for high inventory levels.



+11 %

INTEGRATION FLEXIBILITY

ARCadditive technology can be seamlessly **integrated with other manufacturing processes**—such as forging, casting, or CNC machining—also for customization and repair of existing components.



-21 %

REDUCED ENVIRONMENTAL IMPACT

Compared to traditional subtractive techniques, ARCadditive significantly **reduces CO₂ emissions and energy consumption**, contributing to more sustainable manufacturing.

ARCreo: Production Services

IN ADDITION TO PROVIDING OUR TECHNOLOGY, WE ALSO OFFER A FULL PRODUCTION SERVICE

ARCreo is a reliable partner to support companies throughout their manufacturing needs. **We offer a 3D printing service** powered by our ARCadditive technology.

Use our service for:

- High-quality samples made from **100% metal alloys**
- Small production batches, ideal for launches, limited editions, or **on-demand supply**
- Project validation, early market testing, and **attracting new customers**



BOOK A FREE CONSULTATION

In just 30 minutes, we will show you **how to transform an idea into a concrete, market-ready product.**

Contact us today to learn more about ARCreo metal 3D printing and ARCadditive.



Alessandro Tassinari
Head of Additive Manufacturing ARCreo

**CLICK HERE TO SCHEDULE
YOUR CONSULTATION**

ARCREO
Additive Manufacturing

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