

# AMD+1000K Arc Metal Deposition Machine

*Imagine what you could do with this machine...*



**Game changing process for producing near net shape metal parts in an environmentally responsible design**

Cost Effectively Replace:

- + Castings
- + Forgings
- + Parts Machined from Billet
- + Thick-Walled Stampings
- + Multi-Component Weldments
- + And, Whatever you can imagine.

## **Patented AMD™ (Arc Metal Deposition) technology:**

Capable.... Deposit parts in steel, aluminum, stainless steel, plus more... as desired

- + Build on non-stick surface... No substrate needed
- + Produce near net shape parts ready for final machining immediately after build
- + Deposit up to 4 materials on the same part (30 second, automatic changeover)
- + Control material properties during the build
- + Build volume of 1 cubic meter... That is large enough to build:

A plastic injection mold for a 500 ton press, or

A V8 engine block, heads, and connecting rods at the same time, or

Safe ..... Fully enclosed to eliminate exposure to molten metal or fumes

Clean..... Wire feed stock rather than messy and costly metal powder

Fast.....Greater than 2.5 Kg/hr deposition (depending upon part and feed stock)

Cost effective.. Raw materials as low as \$12 per Kg

The machine is 1/2 the price of competitors' less capable equipment

Build surface allows building without the waste of a substrate

Proven ..... AMD™ Process is a major advance over decades-old WAAM

Learn more about the +1000K at [www.Plus-Mfg.com](http://www.Plus-Mfg.com)



Responsibly changing the world of metal manufacturing!

# +1000K Arc Metal Deposition Machine

## Base System Specifications\*

Base System Price: \$375,000 (Installed)

Build Volume ..... 1,630 X 760 X 813 mm

Overall size ..... 2,450 W X 2,450 D X 2,285 mm H

Input Power ..... 220VAC 3 phase

Deposition Rate..2.5Kg/Hr

Features ..... One metal deposition head

Feeding from spools or 100kg drums

Continuous monitoring and control of part temperature

500kg capacity (Distributed, 350Kg concentrated loading)

### Optional Upgrades

+ Up to three additional deposition heads/materials

Automatic changeover between materials

+ Up to 10Kg/Hr deposition rate (using 0.035 wire)

### Materials

Current offerings:

E70 steel

316 series stainless steel

6000 series aluminum

Silicon bronze

Still Coming:

7000 series aluminum

Copper

Others

\*Disclaimer: The +1000K is in the beta stage of final testing and build. As with any new technology, constant improvements are being made. As a result, you will receive the most recent proven version which may vary some in appearance, price, and performance than listed above.