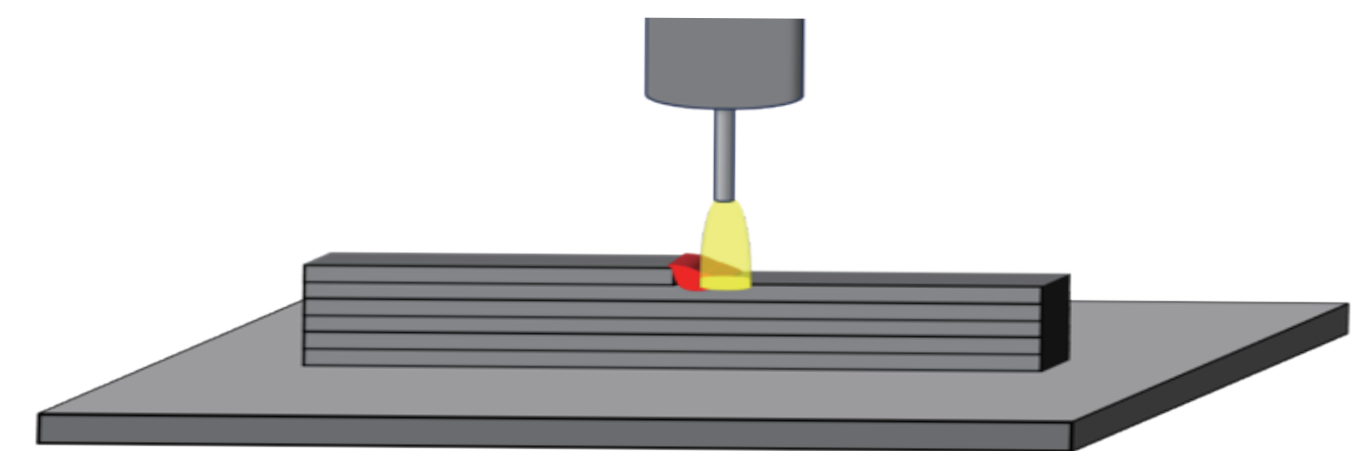


What is Wire Arc Additive Manufacturing (WAAM)?

Allows large components to be formed.

- Uses external axes and a robot to **form components of several meters in size**.
- Absence of chamber and laser shielding makes large-scale forming easy.

WAAM: Wire Arc Additive Manufacturing



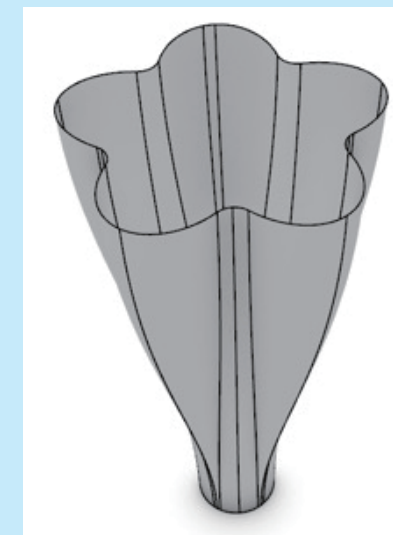
Metal 3D printing technology that forms shapes by layering **arc welds**

Fast forming speeds

- Fast forming speeds based on arc welding
- **Concurrent forming** using multiple robots for increased speed

Low initial and operating costs

- Eliminates need for expensive lasers or optical equipment.
- Uses low-cost readily available **welding wire as raw material**.



3D model



Stacking arc welds



Formed product



Large-scale metal 3D printer using arc welding

ArcBuilder 3D

Standard model for minimal initial costs

- Rapid defining detailed specifications for instant deployment
- Capable of broad-ranging forming **up to 1.5 m square**

AdaOne forming support software (by ADAXIS)

- **Simplifies processes ranging from 3D data to forming** even with no CAM knowledge.
- Visualizes forming status through monitoring and history review.

Synchro feed technology provides forming support.

- High-quality welding control ensures consistent bead layering.
- **Compatible with wide range of wire materials**

ArcBuilder 3D

