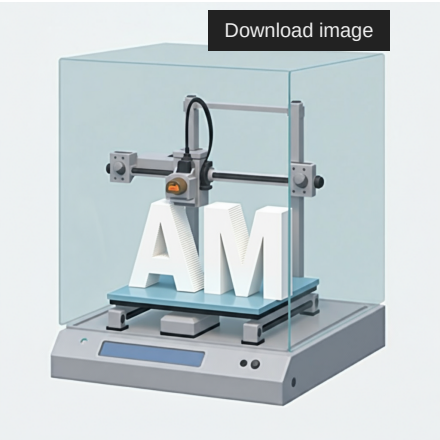
cedinox
Asociación, Investigación y Desarrollo del Acero Inoxidable

Additive Manufacturing

Transforming how metallic parts are designed and produced



Additive manufacturing with stainless steel is transforming how metallic parts are designed and produced:

- Unlike traditional methods, it builds parts layer by layer from a digital model.
- Enables complex geometries impossible to achieve through machining or casting.
- Reduces material waste and manufacturing time.
- Uses stainless steels such as 316L, 17-4PH, and 304L, known for corrosion resistance, weldability, and dimensional stability.
- Metal AM technologies vary according to input material (powder or wire) and energy source.
- Applied in aerospace, medicine, energy, and consumer goods.

From personalized implants to turbine and reactor components, this technology merges precision, sustainability, and customization, driving a new era in the stainless steel industry.

Complete article here [/export/sites/cedinox/.galleries/publicaciones-tecnicas/DT-02-Additive-Manufacturing-and-Stainless-Steel.pdf]