

Lot Size 1 – Economically in 3 Steps.

The Revolution. Made Simple.

3D Metal Print:

The Revolution in

Additive Manufacturing.

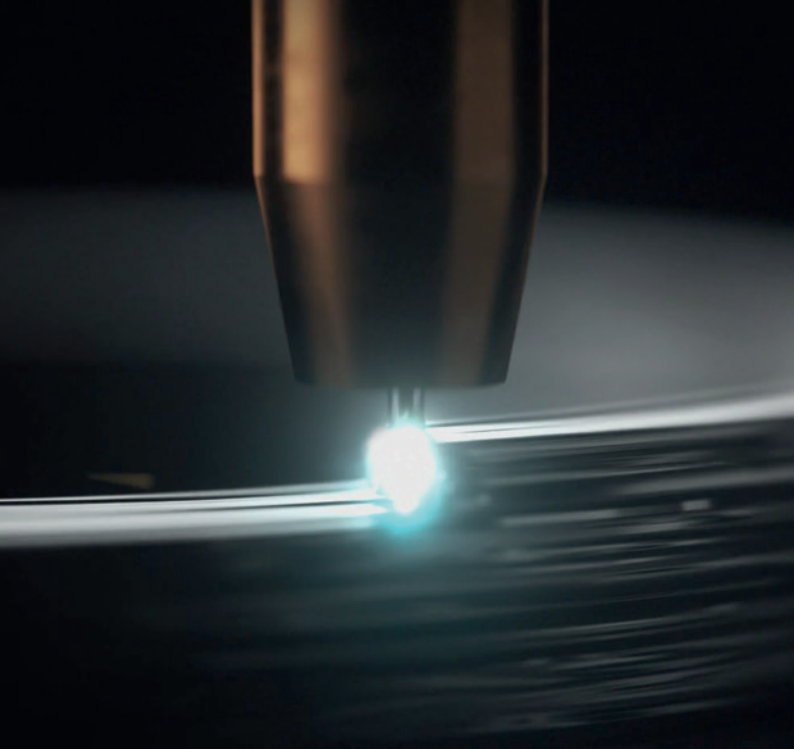


Wire instead of Powder

**3DMP®** processes the base metal in wire form. That makes **3DMP®** the most economic additive manufacturing method for near net-shape metal parts.

**3DMP®** surpasses conventional manufacturing by saving time, costs, and material from the very first part built.

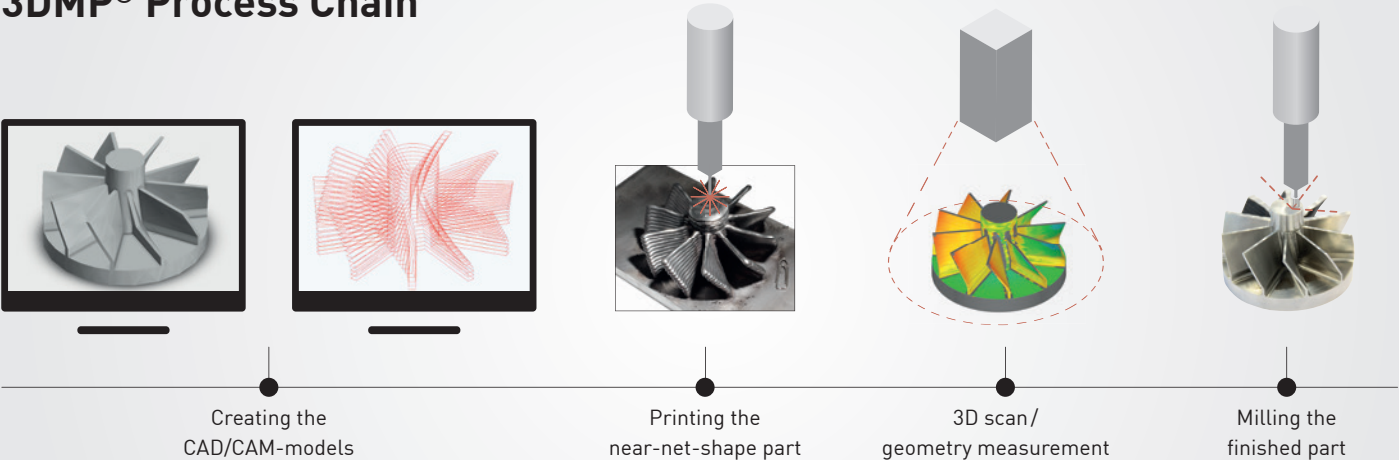
**3DMP®** opens possibilities for completely new products – e.g. new developments thanks to mixed materials or weight optimization.



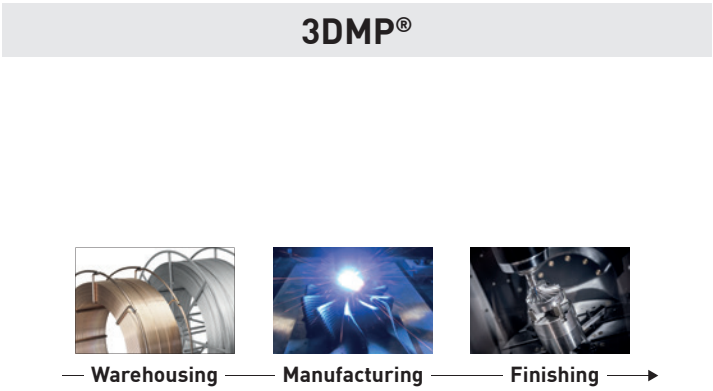
Arc Welding

In conventional welding, an electric arc is used to join metals. We make full use of our extensive expertise and the advantages of this mature technology in order to offer the layered printing of several metal layers in a fully automatic, digitally controlled and easy to use manner.

3DMP® Process Chain



# Conventional Manufacturing vs. 3DMP®



## The Perfect Manufacturing Solution

**GEFERTEC** develops new methods for the production of metallic parts that extend beyond the limits of conventional production processes, thereby offering unique possibilities to designers, engineers and companies.

**GEFERTEC** is the first and only company worldwide that provides the market with the revolutionary **3DMP®** technology that is based on modern arc welding in the form of ready-to-use production machinery.

The **GTarc3000-3**, **GTarc800-5** and **GTarc60-5** machines are perfect manufacturing solutions for metalworking companies as well as for research and development institutions.

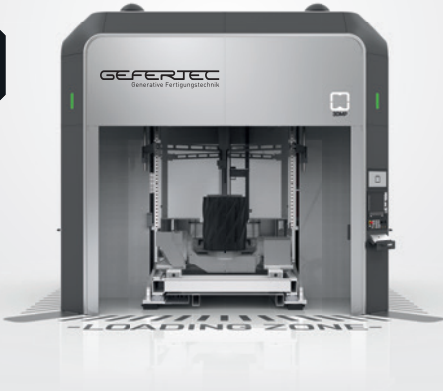
### GTarc 3000-3

**3-axis machining:**  
Production of metallic parts up to 3.0 m³ with a maximum mass of 3 000 kg.



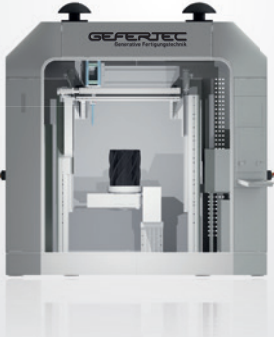
### GTarc 800-5

**5-axis machining:**  
Production of metallic parts up to 0.8 m³ with a maximum mass of 500 kg.



### GTarc 60-5

**5-axis machining:**  
Production of metallic parts up to 0.06 m³ with a maximum mass of 200 kg.



IMME-DIATELY

fast  
flexible  
efficient

LESS

processing time  
material-consumption  
costs

- Outstanding design freedom
- New market opportunities
- Innovations and new products
- Higher deposition rates
- Greater diversity of materials
- Maximum material utilization
- Improved mechanical properties of the parts
- Large parts up to 3 m³
- Economically efficient as of a lot size of 1

- The most economically efficient additive method for the production of metallic parts
- Reduction of manufacturing costs by up to 60 %
- Reduced number of manufacturing steps
- Lower process cost
- Lower material cost
- Lower investment cost