



Contact

We offer comprehensive advice and we accompany before, during and after the production process.

Your partner in:

Construction – Production – Post-processing

The 3DMP® process ...

... is an economical Additive Manufacturing process for large components, enabling a reduction of their manufacturing costs of up to 60% compared to conventional production.

It combines the technically mature wire arc welding process (WAAM) with controlled CNC manufacturing and 3D design. High build-up rates and close-to-contour production make it possible to save time and material when printing large components.



Rolf Lenk Werkzeug- und Maschinenbau
GmbH

Kornkamp 26
22926 Ahrensburg
Germany



DIN EN ISO 9001
REG.-NR. CI 0116193



Management

Gregor Sodeikat
Wolfgang Kebernik



+ 49 (0) 41 02 - 695 88 - 0



+ 49 (0) 41 02 - 507 68



info@rolf-lenk.de



www.rolf-lenk.de

also on ...

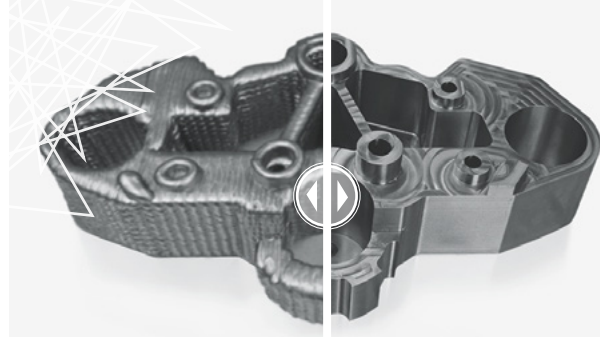



3DMP® process –
from idea to finished component



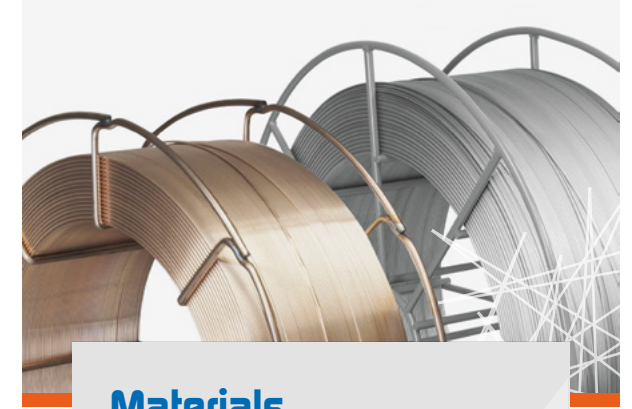
The manufacturing process

3DMP® production is a new process that complements the classic production possibilities of metal components. Easy to use, digitally controlled and automated, a blank is created by the construction of metal layers. It then receives its final geometry with the help of mechanical post-processing.



Advantages

- 1 CNC controlled process automation
 - ▶ enables high build rates and fast component production
- 2 Near net shape production of expensive metals
 - ▶ significantly reduces production costs through material savings
- 3 Process chamber
 - ▶ components of up to 3 m³ and 3 t are possible



Materials

Different hot work and hard steel grades as well as high and low alloy steels can be processed. In addition, various aluminum, nickel-based, copper and also titanium alloys can be processed. Other materials are available upon request.



Size:

1.100-1.400-1.560 mm, 3 t
Ø 900-1.100 mm

Quality

The quality of the components is equal to that of workpieces that have been manufactured using alternative standard manufacturing processes.

