



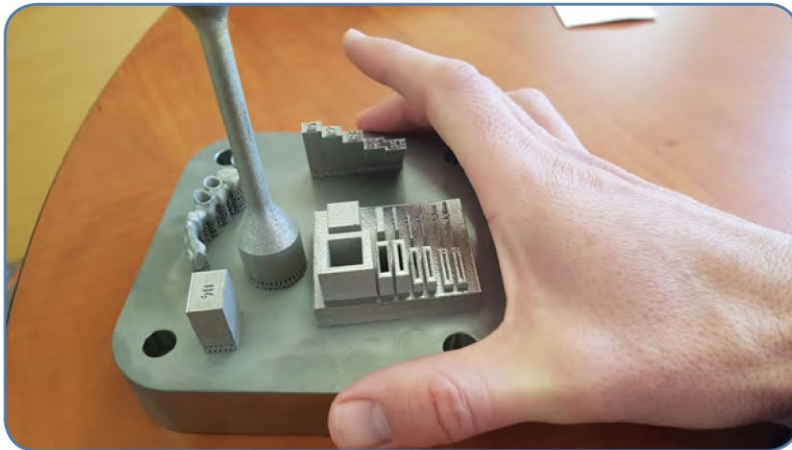
METAL HEART

Additive Manufacturing

Metal Heart Additive Manufacturing is South Africa's first and currently only commercial metal additive manufacturing (3D printing) company in South Africa. State-of-the-art SLM Solutions machines are used, which utilise laser powder bed fusion technology. The company currently has an SLM Solutions 280 machine, as well as an SLM Solutions 125. Maraging steel 1.2709 is used for the tooling industry, with AISi10Mg that can also be 3D printed.

The SLM Solutions 125 machine is dedicated to Ti6Al4V for the biomedical industry, with aerospace applications also planned in future. In addition to additive manufacturing, Metal Heart offers designing services, reverse engineering and vacuum heat treatment capabilities.

Advanced manufacturing is a key component for Industry 4.0 and Metal Heart is an important contributor to allow South Africa to remain globally competitive.



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