

Additive Manufacturing for Prototypes and Small Series



Leader in Additive Manufacturing

With its headquarters in Leuven, Belgium, and branches worldwide, Materialise has been playing an active role in the field of Additive Manufacturing (AM) since 1990. In addition to having the largest single-site capacity of AM equipment in Europe, Materialise also enjoys a stellar reputation as a provider of innovative software solutions. They have used their experience and expertise to create a better and healthier world through their involvement in AM for industrial and medical applications, and by providing bio-medical and clinical solutions such as medical image processing and surgical simulations. Materialise has developed unique solutions that make a world of difference for its many customers with their manufacturing, prototyping, and product development needs.

Prototyping solutions: Match reality closer.

Materialise's goal is not just to produce prototypes, but to add real value to your design process. Their team believes that every design engineer should have easy access to design verification that matches reality closer than ever. **Concept models** are the ideal tool for the first design evaluation. They also allow people from less technical departments to discuss the product in detail. **Visual prototypes** are exact representations of the end product that can be used for photo shoots and product launches at exhibitions. Materialise has its own paint and lacquer installation, operated by skilled people, offering customised paint mixing facilities for all RAL colours.

In order to carry out accurate evaluations of design functionality, colour, technology suitability and market research, it is advisable to work with a **series of functional prototypes** before going into production. This will help eliminate expensive modifications to the production moulds.

Manufacturing Solutions: empower every design engineer to solve challenging problems by Additive Manufacturing.

Materialise offers freedom of design when you want to add more functionality, when you have limited series, limited space or when you need to displace heat, water or air. As a solid design partner we join you in finding unexplored opportunities and turning them into touchable results. We strive to empower every design engineer to solve challenging problems by Additive Manufacturing. When your product is aimed at a small user group, we advise you to use one of our techniques, which can deliver series from 10 up to 10,000 parts and allow you to cost-effectively begin with a small series of your product and re-order on the fly.



Materialise offers **technical and engineering consultancy** to designers who are not yet accustomed to our type of technologies. It is essential to start designing with a certain production technology in mind so the end product not only looks good and performs well, but is also manufactured in an efficient and cost-effective manner.

Read case studies and technology specifications here:
www.materialise.com/manufacturing

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**“We’re working towards
an ecosystem’ that is all
about invented by us,
not invented by me”**

Willem van der Leegte, President & CEO VDL

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