

Melotte NV, a Belgian mould and tool making company from origin, has become a competence centre for advanced tooling and development of high-end solutions offering high precision manufacturing services and (exotic) material processing in Inconel, Titanium, Cobalt Chrome, Tool Steel and Ceramic.

MELOTTE is recognized for its technological front-end innovations in both local and international markets with expertise in the field of aeronautics, nuclear & petrochemical industry, medical and pharmaceutical, semi-conductor and renewable energy.

Besides a supplier of products with high tolerances and small assemblies, the company is known as a developer of Digital Hybrid Solutions by means of Direct Digital Manufacturing as platform for Layered or Additive Manufacturing, using a high power laser to fuse powdered material layer by layer.

As innovative partner, Melotte has significant expertise on developing solutions together with its customers within the scope of Direct Digital Manufacturing. The “CAD to Model” approach or paperless production process allows protection of product intelligence and translation into integrated geometry combined with exceptional mechanical properties such as freedom of shape/design, efficient heat exchange through seamless finished products, conformal cooling, optimisation of the product stability, lightweight end-products through Finite Element Analysis, etc.

Melotte has built up a lot of expertise in such projects for the nuclear industry and offers significant added value through Digital Design, AM based processes and high end component finishing technologies.



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