Optimal part design with additive manufacturing

VTT experts redesigned the selected component from I.M.A. Industria Macchine Automatiche S.p.A’s portfolio with the guidance and expertise of I.M.A. The component’s printability was assessed and delivered. The redesign process was introduced to I.M.A. in order to get full understanding of the additive manufacturing capabilities.

“Working with VTT experts was very helpful for us in order to understand the power of topology optimization applied to Additive Manufacturing and to start IMA journey into metallic 3D printing.”

Filippo Rosa
R&I department, AM development

Understanding of the capabilities of the additive manufacturing process for manufacturing metallic components.

Selection of representative component from I.M.A.’s portfolio for redesign.

Taking the advantage of topological optimization for weight reduction.

30.10.2019 VTT – beyond the obvious