ValCUN, a startup developing a disruptive metal 3D printing technology, to start a new capital round.

ValCUN's vision is to become THE game changer in bringing metal AM towards the industrial level and beyond. With this aim set, the mission is to become THE reference for metal AM.

The company, located in Belgium, develops new disruptive technology for aluminium 3D printing, using inexpensive, standard aluminium wire as feedstock and melting the metal within an insulated printhead without using energy/cost intensive lasers in state-of-the-art technologies. This brings the process of metal additive manufacturing (AM) itself to an economical & ecological level for industrial production both for the OPEX, and CAPEX. Additionally, as limited safety is required and a whole metal part is directly produced, fully automated integration & handling in the production chain is possible, reducing total production costs even more.

Evaluating business cases show that ValCUN becomes competitive with conventional CNC milling for parts when more than 70% of the material is machined away or for series up to 3000 pcs compared to die casting. This is without taking design optimization for additive manufacturing into account.

ValCUN recently started a new capital round of about 2M€ to expand the team and bring their technology to market by developing commercial machines in the upcoming two years. ValCUN targets metal workshops and production companies in sectors requiring integrated enclosures, manifolds, and heat exchangers, such as power electronics, lighting, IT infrastructures, electric vehicles, and aerospace.

ValCUN's technology has been adopted in the world map of metal AM technologies (source: AM Power) and the vision & mission is being recognized as a potential technology for disrupting the metal printing technologies (source: StartUp Insights), confirming ValCUN's intensions is more than a dream.

www.valcun.be
company video