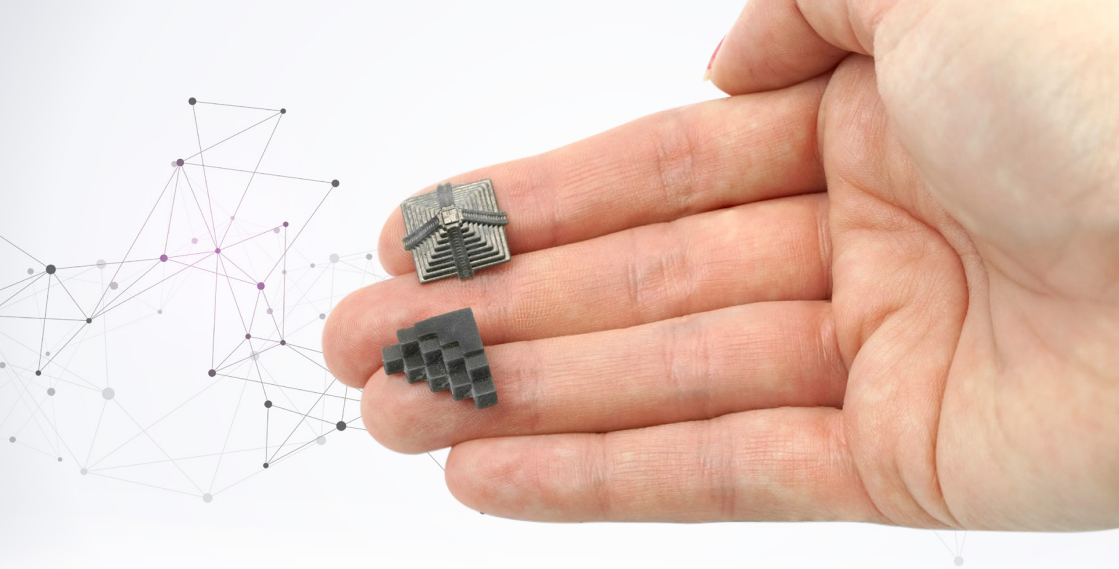

ADDITIVE
MANUFACTURING

METALS

WHY?

The metal 3D printing sector is growing rapidly. Our technology allows for cost-effective custom mass manufacture of high resolution, difficult to machine alloys, with an exceptional surface finish.

How?

Using visible light emitted through LCD screens to sequentially cure heavily loaded photopolymer slurries with dark metal particles. Polymer binder is burnt off during de-binding, then metal powders are bonded together during the sintering process to produce a dense metal part.

WHICH MATERIALS

- 17-4Ph Stainless Steel
- IN718
- Al6061

FUTURE DEVELOPMENTS

Developing the full metal additive manufacturing package for research institutes and industrial manufacturing, comprising of 3D printer, de-binder, sintering furnace and post-treatment units.

Photocentric

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