

**Services** 3D printing & additive technologies

CREATEC offers comprehensive 3D printing services using all currently available additive technologies. From the most common ones like the Fused Deposition Modelling (FDM) that makes it possible to process plastics such as ABS and PLA through ceramic and resin printing techniques to 3D printing of metal parts using the laser sintering technology or Electron Beam Melting (EBM). We also use incremental methods, for example binder jetting, which are newly available on the Polish market and enable 3D printing using such materials as sand, aluminium oxide or metal.





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The engineers at CREATEC use 3D printing in a number of projects they implement. It is used not only in prototyping processes but also as a tool for producing complex elements that can not be produced using any other available technology than 3D printing.

Thanks to the experience gained when providing services for Clients from many very demanding branches of industry and the competence built when performing own production and research activities, we are perfectly prepared to complete complex tasks that require individual approach, and, above all, the selection of the right material and printing technology.

## Processed materials

- polymers (e.g. ABS, PLA),
- resins,
- waxes and paraffins,
- ceramics (e.g. sand, clay),
- metals and alloys (e.g. titanium and tool steels).

## Applied technologies

- FDM,
- Robocasting,
- SLS,
- SLA,
- LOM,
- SLM (DMLS),
- EBM,
- Binder jetting,
  tools welding,
  and many others.

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## Example of applications

- production of prototypes and demonstrators,
- production of machinery and equipment elements,
- production of medical implants,
- production of artistic products (e.g. copies of museum exhibits),
- production of prototype dies, injection molds,
- production of foundry molds and cores,
   production of conformal inserts dedicated to casting processes pressure and injection molding and many other applications.