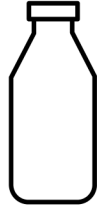


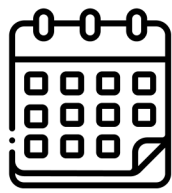
Which manufacturing process to use for plastics?

Additive Engineering provides both.

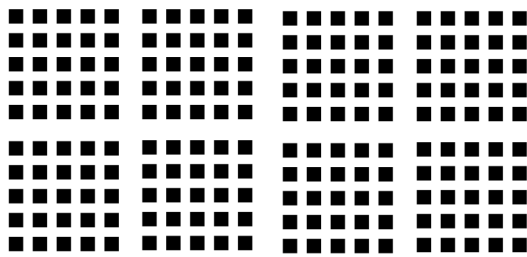
INJECTION MOULDING (IM)



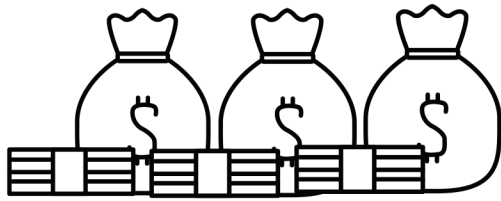
Simple design, continuous form, no customisation



Design in inverse, more CAD requirements, prep time 10-20 days. Once set up, fast to produce



Production volumes of more than 1000's



High entry cost, \$\$\$\$ regardless of demand



Strong properties, smooth finish

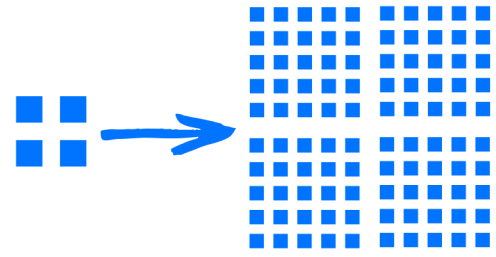
3D PRINTING (SLS)



Intricate with holes, design changes + customisation



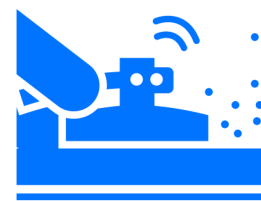
CAD to product takes 1 day, production speed depends on printers' volume



1 to 1000 volumes, bulk quantity depends on product geometry



Low entry cost, order on demand



As strong as IM parts, can be smooth-finished



Both are complementary! SLS is used to scale customised product variants before investing IM tooling. Adjust existing IM tools with metal 3D printed inserts. Improve cooling cycles and finish quality with conformal cooling channels in 3D printed tools.

Additive Engineering provides metal and plastic 3D printing as well as injection moulding services. Enquire at:

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