

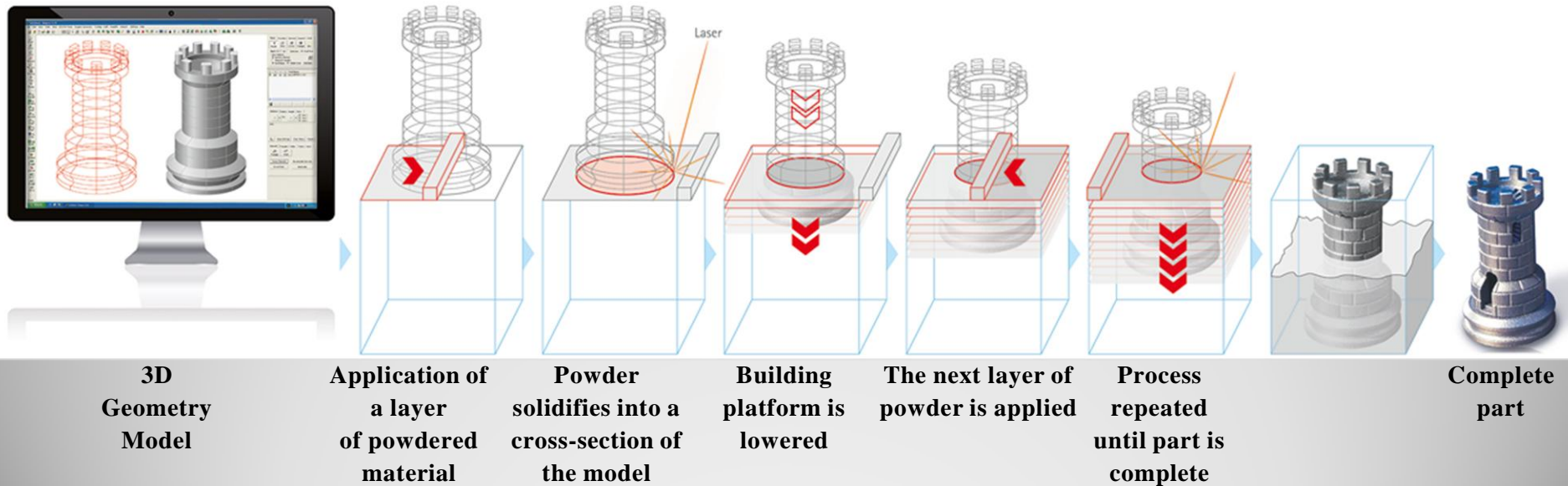


The Horizon  
The future is Here

# The Horizon

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# **Additive Manufacturing** : Additive Manufacturing (AM) is the technology that build 3D objects by adding layer-upon-layer of material.



# Methods of Additive Manufacturing

- **Stereolithography Apparatus (SLA)** – It is a type additive manufacturing in which prototype is made from photo polymerization process of Liquid material.
- **Selective Laser Sintering (SLS)** - It is a type additive manufacturing in which prototype is made from selectively sintering the powder material into a complete model.
- **Vacuum Casting** – It is a manufacturing process in which silicone mould is made for producing polyurethane functional prototypes in short batches.

# Vacuum Casting



**The 3D model  
Is prepared**



**The Master part is built  
in SLA**



**The support is removed and  
the master part is finished**



**The master is im  
mersed in silicone**



**Polyurethane is  
poured and  
casted under vacuum**



**The excess material  
is removed**



**The part is finished**

# Thank You



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