

# 3D printed Rocket—Relativity Space

Andy Li



## Why 3D printed Rockets:

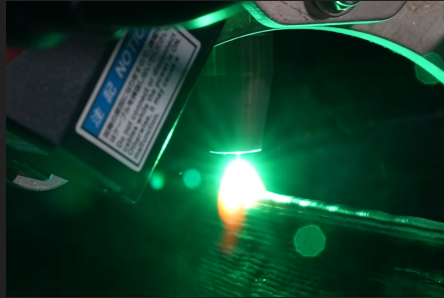
- 1)Far fewer parts
- 2)Two months to produce a rocket
- 3)Fast iteration
- 4)Reduce the cost

## How to print a Rocket:

### 1.Stargate metal 3D printers



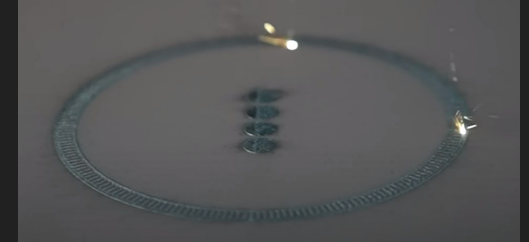
Use laser to melt the aluminum alloy and plasma to control the deposition



(Direct Energy Deposition)

### 2. Metal 3D printers for small parts

Use lasers to melt a fine layers of metal powders



As it goes up layer by layer, it can develop into really complex parts

## Reference:

- 1)[Relativity Space](#)
- 2)[The Genius of 3D Printed Rockets](#)
- 3)[What is Additive Manufacturing](#)