Reinventing the Wheel with 3D Printing

**DMLS**
(DIRECT METAL LASER SINTERING)
Fuses layers of metal powder with a laser to quickly & accurately produce complex parts.

**FINISH:**
☑️ Uniform finish after bead blasting

**MATERIAL NOTES:**
☑️ Aluminum or stainless steel
☑️ Strong mechanical and dynamic properties

**OTHER NOTES:**
☑️ Designs that would typically require assemblies can be made in a singular piece

**PolyJet**
Versatile process that jets & cures liquid photopolymer to quickly produce precise parts.

**FINISH:**
☑️ Smooth finish without visible layers
☑️ Can print multi-material parts

**OTHER NOTES:**
☑️ Fast build time
☑️ Avoid fragile features

**MATERIAL NOTES:**
☑️ Wide variety of materials
☑️ Varying durometer from rigid to rubber-like

**Binder Jet**
Fuses layers of composite metal powder with a binding agent to produce dense & durable parts.

**FINISH:**
☑️ Media tumbled or matte finishes available

**MATERIAL NOTES:**
☑️ Stainless steel infiltrated with bronze
☑️ Extremely strong material

**OTHER NOTES:**
☑️ Great for prototyping die cast or forged components

**FDM**
(FUSED DEPOSITION MODELING)
Extrudes plastic filament layer by layer to quickly produce accurate & cost-effective parts.

**FINISH:**
☑️ Visible layers, particularly on curved surfaces

**MATERIAL NOTES:**
☑️ Variety of materials & colors
☑️ Rigid production-grade thermoplastics

**OTHER NOTES:**
☑️ Infill options allow for control of part density

**SLS**
(SELECTIVE LASER SINTERING)
Fuses layers of nylon powder using a laser to accurately produce durable parts.

**FINISH:**
☑️ Satin-like matte finish after media tumbling
☑️ Color options available through dyeing

**MATERIAL NOTES:**
☑️ Durable white nylon
☑️ Strong & stiff material

**OTHER NOTES:**
☑️ Suitable for prototypes & end-use parts

Why 3D Printing?

☑️ **SCALABILITY:** Quickly create prototype iterations & efficiently scale production orders

☑️ **FAST LEAD TIMES:** Eliminate the need for expensive tooling or molds

☑️ **COMPLEX GEOMETRY:** Produce precise & complex parts that are difficult or impossible to create through other processes