

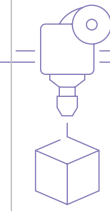
## Cutting-edge 3D printing technologies enabling instant repair solutions.



### About GORD 3D

GORD 3D's comprehensive suite of 3D printing services encompasses functional metal spare parts, composites and polymers printing, digital warehousing, bespoke design and prototyping, as well as rigorous quality control and assurance measures. Our cutting-edge 3D printers, equipped with state-of-the-art additive manufacturing technologies such as stereolithography and fused deposition modeling, fabricate high-fidelity prototypes, ensuring unparalleled precision and accuracy in every intricate layer.

GORD 3D is a Center of Excellence of the Gulf Organisation for Research & Development (GORD) – a non-profit organization dedicated to spearheading the sustainability movement regionally and globally. Headquartered in Qatar Science and Technology Park, GORD is committed to promoting sustainability and climate action in line with Qatar National Vision 2030 and the United Nations Sustainable Development Goals (SDGs).



### Cutting-Edge 3D Printing Solutions

**3D Metal Printing:** GORD 3D can help businesses create complex metal parts with intricate geometries. From rapid prototyping to complex assemblies, our 3D-printed products boast impeccable detail, strength, and durability.

**Polymers & Composites Printing:** GORD 3D provides a wide range of polymer 3D printing technologies, including Fused Deposition Modeling (FDM), Selective Laser Sintering (SLS), Large-Scale Robotic 3D Printing, and Composite 3D Printing.

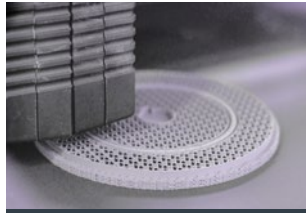
**Reverse Engineering:** At GORD 3D, we use advanced laser or structured light scanning techniques to capture the smallest details of your components, producing high-resolution 3D models that serve as the foundation for your reverse engineering needs.

**Digital Inventory:** Our digital warehousing solution offers a seamless and efficient way to manage and store your 3D designs securely, eliminating the need for physical storage space and facilitating swift and hassle-free production runs.

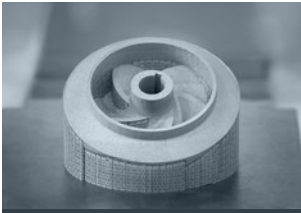
**CAD Modeling:** Using industry-leading software, we create intricate 3D models that reflect specified ideas, whether it's a product prototype, architectural structure, or mechanical component, using industry-leading technologies.

**3D Scanning:** With our advanced 3D scanning technology, we can create highly accurate digital models of existing objects, allowing businesses to modify or reproduce them as needed.

## Advanced technologies powered by high-tech printers



**Bound Metal Deposition (BDM)**



**Metal Powder Bed Fusion (MPBF)**



**Selective Laser Sintering (SLS)**



**Fused Filament Fabrication (FFF)**



**Extrusion Deposition Modeling (EDM) - Robotic Arm**



**Fused Deposition Modeling (FDM)**

*Beyond prototypes, we print solutions with metals, polymers and composites.*



## Enhanced Quality Assurance

GORD 3D provides thorough quality assurance services to guarantee 3D printed products meet exacting standards. Our experts employ advanced testing methods, including optical and scanning electron microscopy, to ensure precise specifications and top-tier quality. We engage clients collaboratively, utilizing Mechanical Testing, Microstructural Characterization, and Non-Destructive Testing (NDT) to ensure high-quality outcomes.

**Tailor-made solutions for diverse sectors**



# GORD 3D

A CENTER OF EXCELLENCE

## GORD

Accelerating Green Solutions for a Sustainable Future



Tel: +974 4141 5000  
PO Box: 210162, Doha Qatar