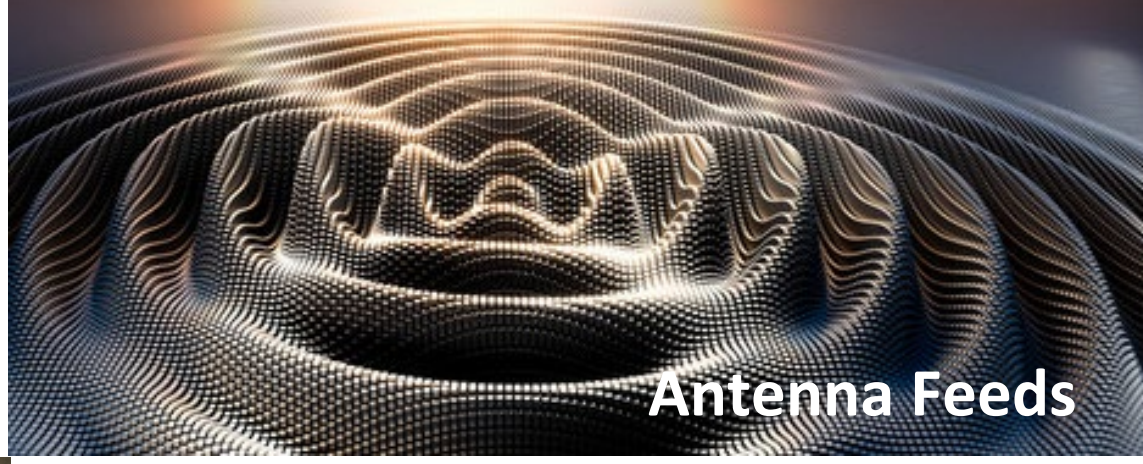
OPTISYS



Antenna Feeds

Optisys Overview:

- High Performance
- Small Size
- Low Weight
- Custom Designs

Product Services:

- Antenna/RF Design
- Mechanical Design
- Systems Engineering
- Additive Manufacturing
- Antenna/RF Testing

Applications:

- Soldier C4ISR
- Satellites, CubeSats
- Air / Ground
- UAV Communications
- Radar / SAR

Antenna Feed Solutions ----------

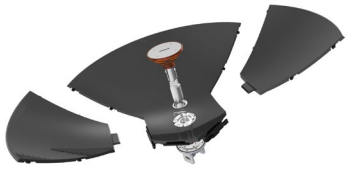
Optisys offers a variety of patented antenna feed designs between L-band and Q-band. Additive manufacturing allows for use of our library of predesigned components to rapidly create custom antennas for any application up to full rate production parts.

Optisys Capabilities ----------

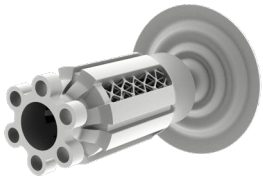
Optisys is an antenna design company that specializes in designing compact, lightweight, high-performance antennas. We leverage metal 3D printing to create integrated antenna structures that achieve the smallest volume physically necessary for RF performance.

IPA (Integrated Printed Antenna) Options ----------

- Single or Dual Band
- Satellite Deployable
- Tactical and Modular
- Integrated Connectors
- Integrated Polarization
- Integrated Thermal Features
- High Shock/Vibration Designs
- Feeds for Multiple Reflector Sizes
- Single Piece Aluminum Construction

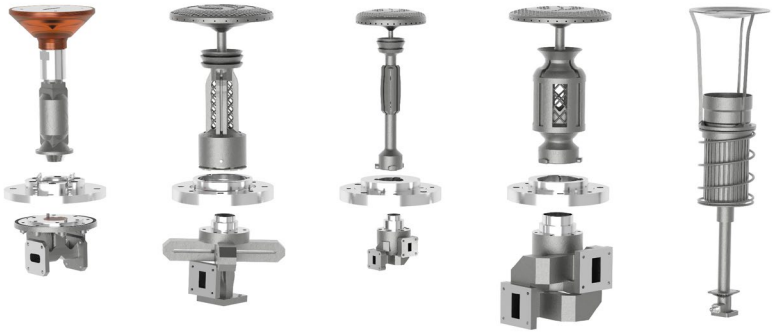


service@optisys.tech
+1 (801) 664-5595
6764 Airport Rd, West Jordan, UT 84084
www.optisys.tech



Mass Customization ----------

Optisys uses modular designed antenna components to significantly cut design costs, reduce weight, decrease size, and shorten design time and manufacturing cycles. We combine RF/electrical, mechanical, structural, and thermal requirements into a single metal 3D printed component.



- 1 – 50 GHz
- Filtering
- Connectors
- Frequency Scaling
- Mechanical Specs
- Thermal Features
- OMT/Polarizer
- Mounting Structure
- Low Side Lobes
- Circular/Linear Pol
- Switchable Pol
- Optimized Optics

Any RF or mechanical component can be easily added, modified, or removed.

Measured Gain Example ----------