

Aluminum Parabolic Antenna Reflectors / Satellite Communication Dishes

The satellite communication industry relies on the highest quality parabolic antenna/satellite communication dishes to provide accurate communications. For critical communication equipment, the industry turns to the outstanding metal fabricating technologies of Helander Metal Spinning to deliver equipment that is trusted by media companies, government and military organizations, data service providers, and telecommunications companies.

Working with 1100, 6061, and 3003 aluminum, our superior metal spinning process turns out satellite dishes and parabolic antenna with material thicknesses ranging from 0.060" to 0.187" and product heights from 3" to 16" and to tolerances of ± 0.020 ". We offer paint and powder coating finishes, and can accommodate satellite communication dish orders from 10 to 5,000 pieces. We box or crate orders for shipping according to customer specification, and can deliver orders within 2 to 8 weeks.

All of our work is done to precise specifications to support the most challenging applications. With extensive metal spinning capabilities, we are able to exceed expectations and deliver communication equipment that is of the highest quality in the industry.



2011 photo on an 8 foot satellite dish spun at Helander.
99.38" diameter X 15.50" tall, 0.125" aluminum.
+/- .060" gap on tolerance.



24" diameter X 5" height 1100-0 flat black powder
coated 0.040 RMS.



High Precision 42" diameter X 8" height 6061-0 aluminum 0.080"
thick .020" RMS. Clear anodized.

Specifications for the Satellite Communication Industry

Capabilities Applied/Processes	Metal Spinning
Tightest Tolerance	(+/- .020)
Typical Material Thickness	0.060" to 0.187"
Product Diameter	4" to 100"
Typical Product Height	3" to 16"
Material Used	1100, 6061, 3003 aluminum
Material Finish	2B to #4 brush finish
Packaging	Boxed or Crated
Typical Volume	10 pcs to 5000 pcs annually
Typical Delivery Time	4 to 12 weeks
Delivery Location	International