

## Stainless Steel Components for the Waste Storage Industry

Stainless steel components used in the waste storage industry must meet the highest standards and requirements. Components must be able to withstand high temperatures and pressures found within reactors. Utilizing the metal spinning process to fabricate components allows us to make intricate shapes while maintaining tensile strength, hardness, and resistance to fatigue.

Using a combination of our refined spinning and welding processes, Helander Metal Spinning Company works with 304, 316, and 321 stainless steel to fabricate components for the waste storage industry. Holding tight tolerances, down to  $\pm 0.020$ ", we pride ourselves on providing our clients with the utmost precision and quality. With material thicknesses up to 0.250" in stainless steel, and an 72" maximum product diameter. Additionally, we can achieve a surface finish up to 63 Ra, and depend on CNC machining as our primary cutting method. And with delivery times from 4 to 12 weeks, we make sure you receive your order when you need it. We're pleased to accommodate orders up to 5,000 pieces.



304 s/s 6.80" height 3.4" diameter x 0.040" thick used to house +/- .005" tolerance plutonium bars. Formed via hydroforming and spinning.



304 s/s 0.250" thick 35.00" diameter X 12.00 Height polished to a 63 Ra, spun on CNC spinning lathe.



Customer picture of assembly for waste storage project using flanged cones spun at Helander Metal Spinning Company.

### Specifications for the Waste Storage Industry

Capabilities Applied/Processes	Spinning, Welding
Typical Tolerance	(+/-0.020)
Material Thickness	0.018" to 0.250"
Product Length	36"
Product Diameter	72"
Surface Roughness	63 Ra
Cutting Method	CNC Machining
Material Used	304/316/321 Stainless Steel
Material Finish	Polish to 63 Ra
Industry for Use	Waste Storage
Typical Volume	5pcs 5000 pcs
Typical Delivery Time	4 to 12 weeks
Delivery Location	North America
Tooling Cost	\$1,500.00 to \$15,000.00