

Nanotech 250UPL^{v2} Objective

To characterize absolute machine performance on OFHC Copper in terms of both surface finish and form accuracy

Process

2-Axis Single Point Diamond Turning



Application Summary

Part Configuration

Material: OFHC Copper
Diameter: 30 mm
Radius: 200 mm
Surface Type: CX Sphere

Tool Configuration

Radius: 1.5mm
Top Rake: 0 Degree

Machining Parameters

Spindle RPM: 4000
Finish Feedrate: 5 mm/min
Finish Depth of Cut: 0.5 μ m
Coolant: Odorless Mineral Spirits

Metrology Results

