Based in Dayton Ohio, Meridian has been offering high quality Machining, Grinding, and Contract Inspection/Coordinate Measurement Machine (CMM) services for 21 years. Below are a few offerings that Meridian can provide for your company.

**Manufacturing**
Meridian can help you with your manufacturing needs. From prototype parts, gages, or production runs we can fulfill all your company’s requirements. Our services include:

- Machining (Mill (3 axis and 4 axis), Turn, and Wire work)
- Gage/Fixture Building
- Grinding (Jig, ID/OD, and Surface)
- Design Capabilities

Whether it’s simple baseplates or complicated 3D contours, our Edgecam software allows us to program our machines quickly and efficiently.

**CMM Contract Inspections**
Don’t have a CMM or the manpower to get the quality job done? Send us your parts. We will inspect your parts on one of our CMM’s and provide a detailed report of the results. Our contract services include:

- 3rd Party Inspection (Dimensional Layouts, First Article Inspection, Gage Verification, etc.)
- GR&R Studies
- Containment
- Reverse Engineering
CMM / Quality Inspection

**Endeavor 12.15.10 CMM**
Travels:  
- X axis = 48”  
- Y axis = 60”  
- Z axis = 40”
Repeatability = < 0.0001”  
Volumetric Accuracy =< 0.00048
Max Work Load = 3300 lbs

**Endeavor 9.15.7 CMM**
Travels:  
- X axis = 36”  
- Y axis = 60”  
- Z axis = 28”
Repeatability = < 0.0001”  
Volumetric Accuracy =< 0.00035
Max Work Load = 2700 lbs

**1808 DCC CMM**
Travels:  
- X axis = 30”  
- Y axis = 25”  
- Z axis = 20”
Repeatability = < 0.00015”  
Volumetric Accuracy =< 0.0006
Max Work Load = 1500 lbs

**Software**
- MeasureMax
- PCDMIS

**Hard Gages**
- Deltronic pins
- Bore Gages
- Gage Blocks
- Height Gages
- Mueller Gages
Machining and Design Capabilities

Hurco 10i Machining Center (x2)
Travels: -X axis = 26", Y axis = 16", Z axis = 20"

Hurco 20i Machining Center
Travels: -X axis = 40", Y axis = 20", Z axis = 20"

Hurco 30i Machining Center
Travels: -X axis = 50", Y axis = 20", Z axis = 20"

Bed Mill Prototak Controls
Travels: -X axis = 32"
-Y axis = 18"
-Z axis = 20"

Knee Mill Prototak Controls (x3)
Travels: -X axis = 32"
-Y axis = 16"
-Z axis = 24"

Prototrak CNC Lathe 1630SX

Samsung CNC Lathe SL20

Moore Model #3 Jig Grinder (x5)

Okamoto Wet Surface Grinder 12x24

Mighty ID/OD Grinder

Parker Majestic Surface Grinder (x2)

Mitsubishi Wire Machine FA20S

Software
EdgeCam 2018
AutoCad Inventor 2011
Unigraphics/NX 2018