



## Meridian Machining, Inc.

2610 Lance Dr.  
Dayton, OH 45409

Office: (937) 298-9261  
Fax: (937) 298-1223



[www.meridian-services.com](http://www.meridian-services.com)

Based in Dayton Ohio, Meridian has been offering high quality Machining, Grinding, and Contract Inspection/Coordinate Measurement Machine (CMM) services for 17 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 of your company's requirements. Our services include:

- Soft Machining (Mill and Lathe work)
- Hard Machining (Mill and Lathe work)
- Gage/Fixture Building
- Grinding (Jig and Surface)
- Design Capabilities

Whether it's simple baseplates or complicated 3D contours, our Edgcam software allows us to program our 3 axis 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 Certification, etc.)
- GR&R Studies
- Containment
- Reverse Engineering

We specialize in programming Sheffield Measurement® Coordinate Measurement Machines. Meridian has thousands of hours of CMM programming knowledge and experience. Whether it is a vertical, horizontal arm or layout machine we can provide the necessary solution for users of the following languages:

- Visual Basic
  - MeasureMax
  - PCDMIS
-

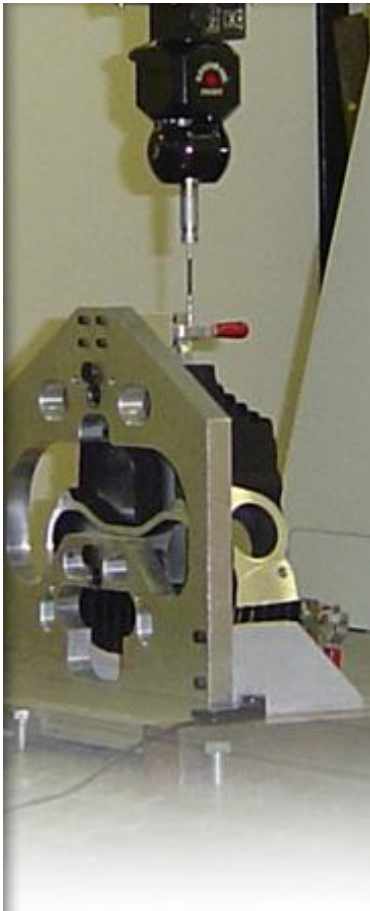


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## CMM / Quality Inspection

### 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  
Surface Plates



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## Machining Specifications



### 2014 Hurco 10i Machining Center

Travels: -X axis = 26", Y axis = 16", Z axis = 20"

### 2013 Hurco 20i Machining Center

Travels: -X axis = 40", Y axis = 20", Z axis = 20"

### 2013 Hurco 30i Machining Center

Travels: -X axis = 50", Y axis = 20", Z axis = 20"

### Bed Mill Prototrak Contols

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

### Hitachi Seiki CNC Lathe 3NE-300

### Manual Lathe (x3)

### Moore Model #3 Jig Grinder (x5)

### Brown & Sharpe Wet Surface Grinder 618 MicroMaster

### Kent Surface Grinder

### Mighty ID/OD Grinder

### Parker Magestic Surface Grinder (x2)

### Software

EdgeCam 2014

AutoCad Inventor 2011