

Moore 300X & 500 CPWZ

Case Study

This precision jig ground inspection gear is used in the manufacturing process for memory storage devices. The part is manufactured complete at Moore's Precision Manufacturing Center located in Bridgeport.

300X

- | Rotary axis used to generate ID's and OD's.
- | 5 Axis used for generating tool path on gear teeth.

Time savings: 9 Hours and 20 Minutes.

Machining Center (**Old**) - 10 Hours

Moore 300X (**New**) - 40 Minutes



500 CPWZ

- | ID's and OD's jig ground. Tolerances held below 2,0 microns.
- | Gear shape ground using Moore Slot Grinder with Moore Variable Speed Dressing Unit.
- | Part rotated using a Moore A-Axis Rotary Table.
- | Position of teeth held below 5 Arc Seconds.

