**Challenge:** To grind 4 diameters on parts of many sizes and lengths for a manufacturer of aerospace fasteners. The goal was to provide a solution that gave the customer a machine with intelligence, in-process inspection, ease of use and to maximize up time and production rates.

**Solution:** Before finding Glebar, the customer had to grind one component at a time on a rebuilt Cincinnati machine. In order to meet their demand, they needed several machines with a dedicated operator on each machine. Glebar’s GT-610 CNC gives them the capability of running millions of fasteners per year (up to 8 pieces at a time) to micron precision. The machine provides automatic size compensation by station, and the machine can run 12,000 parts before redressing the wheel on certain components. The **GT-610 CNC** wheel life was much greater than that of their larger Cincinnati.

When a requirement exists to infeed grind aerospace components in a high production environment using a high level of automation, the GT-610 CNC significantly outperforms alternative processes. Glebar also offers an off-line dressing machine to eliminate downtime associated with wheel forming. In addition, the GT-610 CNC has advanced programming capabilities that allows the machine to communicate with an inspection system (in or off-line). The in-line gauging system allows the machine to auto correct the wheel dress profile by station, which allows the machine to run production in a lights out environment.