

Tungsten Carbide Pins PG-9DOD (2 Parts per Cycle)

GLEBAR CASE STUDIES

//Challenge: Customer wants to decrease cycle time while maintaining a tight concentricity specifications for grinding tungsten carbide pins.

//Solution: The Glebar PG-9DOD addressed the challenge. This machine excels at processing small diameter components which require a tight concentricity specification. The system was configured with dual fixtures, a six-axis robot and bowl feeder – **decreasing cycle time by 50% by grinding two parts at a time with dual fixtures.**

- Parts are fed onto a smart conveyor from the bowl feeder. The conveyor orients and spaces the parts.
- Cameras identify imperfections. Bad parts are rejected prior to grinding.
- OD machines normally process one component per cycle. We are forming two components per cycle.
- Part handling is minimized by holding four parts at a time - two raw and two ground.
- Two fixtures OD grind simultaneously.
- Built on a granite base for optimal stability and precision control.
- Safety Enclosure with Recycling Coolant Filtration System.



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