

# Glebar Company



## Manual Orthopedic Pin Manufacturing Process Converted to Automated with 100% QC.

### incumbent process

- ❑ Operator manually feeds the stainless steel orthopedic pins into the centerless grinder.
- ❑ Pins are manually cleaned and gauged.
- ❑ Manual input and adjustment are required during the process to ensure quality.

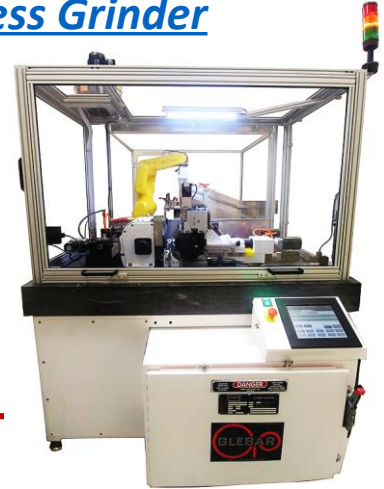
### challenge

- ❑ Increase process throughput and quality production by integrating automation.
- ❑ Produce a part every 13 seconds in an automated “lights out” system.
- ❑ Reduce the opportunity for damaging critical features in material handling.



### solution – GT-610 Infeed/Thrufeed Centerless Grinder

- ❑ Centerless Grinder with Automated Step Feeder, 6 axis robot, cleaning and drying station, multi point gauging, part separation, and data collection.
- ❑ Leveraging our propriety software our engineers were able to deliver an automated solution that meets all performance criteria.



### benefits

- ❑ Pins can be ground, washed, dried, gauged, and segregated in process reducing queue time.
- ❑ Automated step feeder provides a constant supply of pins reducing load and unload time.
- ❑ 6 axis robot handles parts between operations in a safe, enclosed environment.
- ❑ High precision closed loop automatic size compensation control insures a stable process and high quality.
- ❑ Automatic data collection and laser barcode reader reduces set up time and provides real time data.