

# Glebar Company



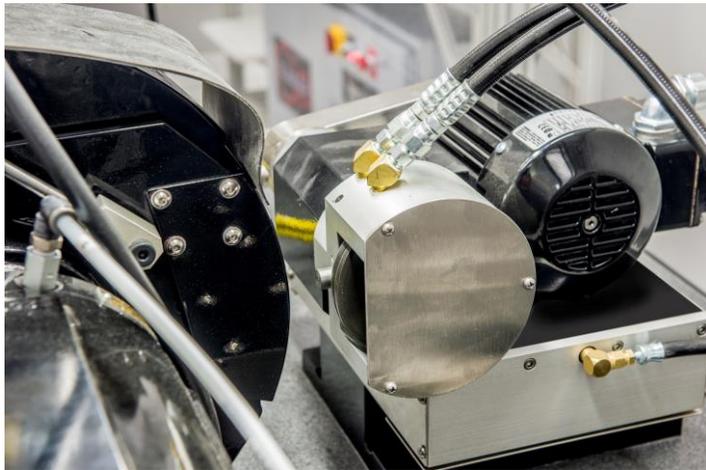
## Automatic Work Wheel Dressing

### **incumbent process**

- ❑ Hydraulic dress cycles require high operator input reducing their efficiency.
- ❑ The traverse rate of the dressing tool is difficult to establish affecting surface quality.
- ❑ Inconsistent dressing of the work wheel reduces machine efficiency and can lead to higher scrap rates.

### **challenge**

- ❑ Develop a process to dress the regulating and work wheel that improves operator and machine efficiencies, improves control of the traverse rate, maintains a high-quality part, and reduces scrap rates.



### **solution – Automatic Work Wheel Dressing. Available on all Glebar TF-9DHD & GT-610 machines.**

- ❑ An operator can initiate the automatic dressing cycle from the HMI leaving them free to perform other tasks. In most cases, using a motorized diamond quill traverse, set from an HMI, will eliminate the need for hydraulic drives, producing a predictable traverse speed. The frequency of dress can be preprogrammed to automatically refresh grinding wheels after a set number of cycles or time, maintaining a consistent grind and a high-quality surface finish. Available with either manual quill advance or motor-driven quill advancement

### **benefits**

- ❑ Operators can control the traverse rate producing a more controllable and predictable wheel dress in both the regulating wheel and work wheel improving the surface quality of the part being ground.
- ❑ Output increases by preprogramming the frequency of dress automatically after a set number of cycles or time.
- ❑ Initiating the dressing cycle from the HMI improves operator safety eliminating the need to reach inside the work area making the machine much safer.
- ❑ With motorized quill advancement it is possible to have a canned dress cycle; roughing and finishing the wheel unattended allowing one operator to run multiple machines.
- ❑ Typical Glebar installations have one operator running 3 or more machines because of the reliability of the automation and grinder performance.