



GAGING FOR THROUGHFEED GRINDING APPLICATIONS

Ever increasing quality standards mean that all your parts – *every single one of them* – must always be perfect. There's no room for error in today's fast-paced manufacturing environment, and even if there were, you don't want to be the one responsible for a heap of bad and/or scrapped parts. Ensure that your parts meet your specs day in and day out by installing a post-process gage system on your grinder. Designed to dynamically measure workpieces and provide process control feedback (comp signals), this user-friendly system will automatically measure each part, removing operator error, and ensuring that your machine is working as it should.



GCH Tool Group can easily retrofit the conveyor-based system to your grinder

Benefits:

- Easy to install and setup
- Increase production quality
- Uniformity of inspection requirements
- Constant level of quality of production
- Reduce processing times
- Increase grinder productivity

Post-process gage system includes a V-guide roller, dual finger gage head, fingers, contacts, fixture brackets and conveyor. The gage fixture mounts to the end of the workrest on the grinder.

Operation:

1. Parts exit the work blade and are positioned in the gage.
2. An adjustable-height carbine gage shoe rides on top of the part as it moves through the gage area.
3. A probe sends displacement data to the gage controller (shown at left), which organizes data into subgroups and develops real-time trend information.
4. When the trend deviation from size increases to programmed limits, a wheel compensation signal is sent to the servo comp unit.



D500 controller for post-process gage unit

**FOR MORE INFORMATION,
CALL 586.777.6250
OR E-MAIL
SALES@GCHTOOL.COM**

LOOKING FOR EVEN MORE PRECISION?

To further enhance the operation of your grinder, consider upgrading to linear slides and a servo comp unit (at right). Should your gaging system "report" a problem, the linear slides and servo comp unit will allow for even more precise adjustments of your machine.

