

# **GCH Preventative Maintenance Plan Pays Dividends**

GCH Tool and CNC Link teamed up with a high production manufacturing plant to create a preventative maintenance plan to increase the operator efficiency through machine tool consistency. This particular manufacturer runs more than 50 Cincinnati centerless grinders that have produced over 500 million precision parts during their life time.

## **The Problem:**

After millions of part cycles and thousands of tooling changeovers the machines have worn out and each machine requires their own unique setup parameters.

## **The Solution:**

Bring the machine geometry back to the OEM specifications so the setup technicians can get consistent results from machine to machine.

## **The Game Plan:**

GCH Tool and CNC Link sent their factory trained technician team in for a three step approach to recertify the grinders.

Step #1: Examine the 3 machine cell of rough, semi, and finish grinders to determine the current condition of the primary assemblies of spindles, dressers, and slides. This required the 3 machine cell to be temporarily shut down for 2 days to gather the pertinent data so we could develop a BOM for the required exchange assemblies.

Step #2: GCH would take the resultant BOM and complete the required assemblies within a normal 3 week turn around. Once completed, the assemblies would be sent to the customer to await the teams return for installation.

Step #3: The GCH technician team would require the grinding cell to be shut down for 5 consecutive days to complete the specified machine rebuilds.

## **The Investment:**

This particular customer would spend an average of \$26,000 in parts, assemblies, and service per 3 machine cell to bring these machines back to the OEM specifications.

## **The Return:**

The combination of operator changeover efficiency, increased machine productivity, and reduced scrap allowed this satisfied customer a 6 week return on their investment.

## **The Reality:**

A long term approach, to a preventative maintenance program, can pay short term dividends.