Tooling

■ *Precision technology*

At MTB, one of our specialties is designing and manufacturing tooling for gear manufacturing machines. We have extensive experience in designing work and tool holding fixtures, arbors, collets, bases, etc. Over the years, we have developed a

Work and tool holding fixture

library of different designs which we can easily choose from and adapt to your specific needs. We have tackled projects from the simplest serrated driver center to the most complex floating collar designs with drawbars, collets and pre-centering devices. Talk to us your about gear machine tooling needs and learn how we can quickly and efficiently design and manufacture the exact tooling you need.

Work Holding

For manual load machines, work holding tooling needs to be simple in design, extremely functional and repeatable, and require a minimal amount of setup time. Machines with automation have all the same requirements as manual load machines, along with some additional, unique requirements that most manual load tooling systems do not. It is important to know the difference, and understand the requirements. This type of knowledge comes only with years of experience in the field, experience you can count on with MTB.

Arbors and Tool Holders

When designing replacement arbors, collets, drawbars and center assemblies, the tooling must conform to the original size, shape and dimensions. Proper selection of the material, precision in the design and manufacture, and correct heat treat processing are key elements in the final outcome. Many of today's modern machines require ISO, HSK, CAT or Morse tapers on the tool holders or arbors that fit the machines. Proper design and
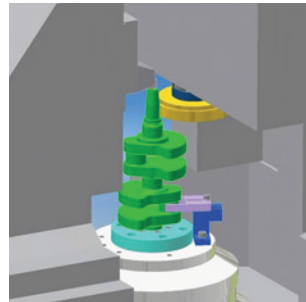
Machines with automation have all the same requirements as manual load machines, along with some additional, unique requirements that most manual load tooling systems do not.
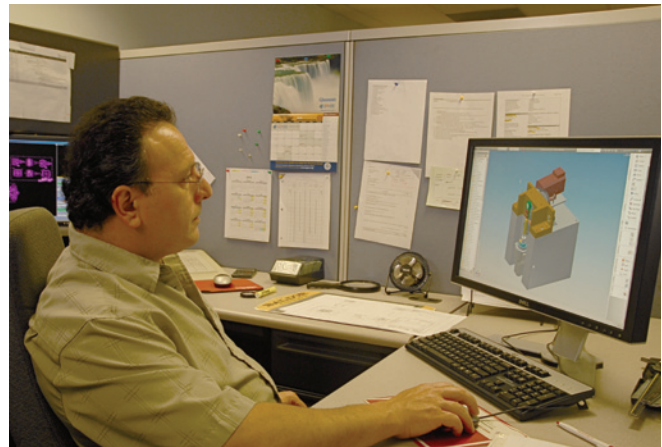
manufacturing techniques are crucial to the success of this type of tooling. MTB excels in this area, with our firsthand experience in the field, both designing and using the tooling.