

The following items are required to compete in Automated Manufacturing Technology

1. Intelitek's Benchmill 6000 series CNC milling machines. **Please verify your machine uses 120 volt 20 amp electrical service.** We will not have 230 volt service available.
2. Each team needs a licensed version of CAD/CAM software (Mastercam, Intelitek CNCMotion Virtual Software, or equivalent).
3. Each team will need to provide the following tools:
 - 6" dial or digital caliper.
 - Dial indicator (i.e. . Starrett Last Word Dial Test Indicator must have 3/8" holding shank).
 - 6" or 12" steel rule.
 - Soft face hammer.
 - Safety Glasses.
 - Set of parallels for their vice.
 - 3/8" Shank edge finder.
 - one-1/4" end mill.
 - one-3/8" end mill.
 - one-3/8" twist drill.
 - one-1/4" drill.
 - Note:** Additional cutters would be good to have on hand in the event you break or damage one.
 - Air hose at least 20' long to connect Intelitek CNC to 1/4" NPT.
4. Tool holders for 1/4" end mill, 3/8" end mill, 3/8" drill, and 1/4" drill.
5. Each team must have a machinist handbook.
6. Each team must provide Pencil / Pen.
7. Each team must provide Calculator.
8. Each team must provide hold-downs or clamps for mounting the vice to the machine.
9. Each team must provide a 3-ring binder.
10. Each team must provide USB Memory Device (thumb drive) for file transfer from programming computer to CNC machine.