



# Automated Manufacturing Technology

*To evaluate each competitor's preparation for employment in automated manufacturing and the team approach to problem-solving in a work environment. To recognize outstanding students for excellence and professionalism in the field of automated manufacturing technology.*

<b>On-Site/Off-Site</b>	<ul style="list-style-type: none"> <li>● On-Site</li> </ul>
<b>Contest Date</b>	<ul style="list-style-type: none"> <li>● 5/5/2026</li> </ul>
<b>Contest Location</b>	<ul style="list-style-type: none"> <li>● Convention Center</li> <li>● C-Hall</li> </ul>
<b>Early/Normal Start Time</b>	<ul style="list-style-type: none"> <li>● Normal Start Time</li> <li>● Registration will open at 8:00am. Please report to B-Hall Show Office for Registration.</li> <li>● Competition will begin at 10:00am.</li> </ul>
<b>Contest Open/Closed</b>	<ul style="list-style-type: none"> <li>● Open</li> <li>● Exhibit Halls do not open to observers until 12:00pm.</li> </ul>
<b>Eligibility &amp; Contest Type</b>	<ul style="list-style-type: none"> <li>● Please refer to the Program Guidelines for eligibility- <a href="https://www.ohioskillsusa.org/resources/">https://www.ohioskillsusa.org/resources/</a></li> <li>● Straight to State Contest (No Regional Qualifier)</li> </ul>
<b>Clothing</b>	<p><b><u>For Competition Day the Dress Code is:</u></b> Class C or Class D</p> <p><b><u>For the Awards Ceremony the Dress Code is:</u></b> Class A or Class J</p> <ul style="list-style-type: none"> <li>● <a href="#">SkillsUSA Ohio Clothing Guide</a></li> </ul>
<b>Safety Equipment Required</b>	<ul style="list-style-type: none"> <li>● N/A</li> </ul>
<b>Testing</b>	<ul style="list-style-type: none"> <li>● Students should be prepared to take a written knowledge test.</li> </ul>
<b>Provided by Contestant (Tool List)</b>	<ul style="list-style-type: none"> <li>● CNC Machining Center (Mill)</li> <li>● Control System for Mill (Computer if required)</li> <li>● Table to mount Mill (if Mill is not mounted to a cart, tables for the Mill will not be provided by SkillsUSA Ohio)</li> </ul>

	<ul style="list-style-type: none"> <li>● Vise and hold downs Parallels, to position top of stock to minimum of ¾” above the vise</li> <li>● Dial or Vernier calipers to measure 0” to 4”</li> <li>● Necessary hand tools for your installation including safety glasses (3 pair)</li> <li>● Two computers and software for CAD/CAM programs</li> <li>● Backup copies of the software</li> <li>● Empty USB Drive</li> <li>● Computers must be capable of transferring data from one computer to another with a removable media device</li> <li>● One plotter/printer to plot/print CAD drawings and 8 ½ “x 11” paper</li> <li>● Power Strip, with enough outlets to connect all your equipment, must be a circuit breaker protected 25’ UL approved extension cord (only one connection to power per team)</li> <li>● Calculator</li> <li>● #2 pencils (sharpened)</li> <li>● Edge Finder or equivalent to square vise on Mill</li> <li>● Tooling, 2 or 4 flute, 3/8”</li> <li>● End Mill</li> <li>● ¼” center Cut End Mill</li> <li>● 3/8” Spot Drill</li> <li>● ¼” Drill</li> <li>● 13/64” Drill Face Mill</li> </ul> <p>Tool Changes will be required</p>
<p><b>Contest Notes, Themes, &amp; Deadlines</b></p>	<ul style="list-style-type: none"> <li>● This contest is work-intensive and time-consuming contest.</li> <li>● The 4 hours allotted for this contest are at the minimum adequate. Therefore, it is necessary to be ready to start the contest on time. It is required that your equipment be set up and checked out before the contest starts.</li> <li>● You and your instructor may enter the contest area the morning of the contest before it starts, for the purpose of setting up your equipment and ensuring its service ability.</li> <li>● Once you have ensured your equipment is working, you may leave the contest area.</li> <li>● Please ensure you have tried and tested CAD software when disconnected from your school’s WIFI. TEST THIS PRIOR TO ARRIVAL.</li> <li>● Devices supplied by the technical committee will not be disassembled or opened for any reason unless explicitly directed to do so by the contest official. Disqualification will result if this is not adhered to.</li> </ul>
<p><b>WIFI Provided?</b></p>	<ul style="list-style-type: none"> <li>● No</li> </ul>

<p><b>Special Notes/Rules for All Contests</b></p>	<ul style="list-style-type: none"> <li>Starting in 2024, all Skilled Trade State Contests (most leadership contests already use scenarios) will begin to add a scenario-based component.</li> <li><b><u>Wi-Fi will NOT BE AVAILABLE unless listed above</u></b>. If you need WIFI access, please plan to bring a hotspot.</li> <li>All safety requirements will be heavily enforced. Competitors are to follow all safety standards and OSHA Regulations</li> </ul> <p><b><i>Contestants MUST HAVE A COPY OF THEIR EMERGENCY MEDICAL FORM IN THEIR NAME BADGE AT ALL TIMES</i></b></p> <p><b><u>THE FOLLOWING ITEMS ARE PROHIBITED; VIOLATION OF ANY OF THE FOLLOWING MAY RESULT IN COMPETITOR DISQUALIFICATION:</u></b></p> <ul style="list-style-type: none"> <li>Contact with Contest Coordinators is prohibited.</li> <li>Contact with Contest Coordinators outside of the SkillsUSA Ohio is strictly prohibited.</li> <li>Possession of smart watches and/or phones during the contest and/or in contest.</li> <li>Contact with anyone outside of the contest area once the contest begins.</li> <li>Inappropriate communication between contestants such as verbally degrading another contest.</li> <li>Cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.</li> <li>Lack of Copy Emergency Medical Form in Name Badge.</li> </ul>
<p><b>National Technical Standards</b></p>	<ul style="list-style-type: none"> <li>Please refer to the <b>2024-2026 National Technical Standards</b> for all contests. All standards included may be tested in any competition.</li> <li>In conjunction with National Standards, lack of understanding of State Level competition standards (this document) may result in student loss of contest.</li> </ul>
<p><b>Resume/Interview Requirement</b></p>	<ul style="list-style-type: none"> <li>All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills.</li> <li>All contestants <b><u>must have a hard copy</u></b> of a one (1) page personal resume.</li> </ul>