



Automated Manufacturing Technology

Purpose: 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.

On-Site/Off-Site	<ul style="list-style-type: none">▪ On-Site
Contest Date	<ul style="list-style-type: none">▪ 4/9/2024
Contest Location	<ul style="list-style-type: none">▪ Convention Center▪ C-Hall
Early/Normal Start Time	<ul style="list-style-type: none">▪ Normal Start Time▪ Registration will open at 8:00am. Please report to B-Hall Show Office for Registration. Competition will begin at 10:00am.
Contest Open/Closed	<ul style="list-style-type: none">▪ Open▪ Exhibit Halls do not open to observers until 12:00pm.
Eligibility	<ul style="list-style-type: none">▪ Schools may send one (1) team of three (3) competitors for every 50 paid SkillsUSA members based on local competition enrolled in a program where the scope of the contest described in the SkillsUSA Technical Content Standards reflects a major component of the program. Please refer to the National Technical Standards for more eligibility details on this contest.
Competition Clothing (To be worn on Day 1)	Work/School Attire: <ul style="list-style-type: none">▪ Field specific work clothing required for the work environment or that matches the service conditions for the contest.

	<ul style="list-style-type: none"> ▪ This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). ▪ Shoes or work boots with a hard sole and anti-slip properties. ▪ Clothing should be as such that it will not get caught in moving equipment or power tools. ▪ Professional attire worn in the classroom (school uniforms) such as a criminal justice uniform, chef attire, health scrubs, or cosmetology scrubs etc. may be worn if they meet the above requirements. ▪ Note: School identifiers and contestant names must be covered.
Safety Equipment Required	<ul style="list-style-type: none"> ▪ Safety glasses with side shields or goggles (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles).
Awards Ceremony Attire (To be worn on Day 2)	<p>SkillsUSA Official Attire:</p> <ul style="list-style-type: none"> ▪ Official SkillsUSA red blazer ▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer ▪ Black dress slacks or black dress skirt (knee-length at minimum) ▪ Black closed-toe dress shoes ▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern <p>Or,</p> <p>Business Dress:</p> <ul style="list-style-type: none"> ▪ Blazer, sports coat, or dress ▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer ▪ Dress slacks or dress skirt (knee-length at minimum) ▪ Closed-toe dress shoes

	<ul style="list-style-type: none"> ▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern
Testing	<ul style="list-style-type: none"> ▪ There is no written test required for this competition.
Provided by Contestant (Tool List)	<ul style="list-style-type: none"> ▪ One copy of a 1-page typed personal resume ▪ CNC Machining Center (Mill) ▪ Control System for Mill (Computer if required) ▪ Table to mount Mill (if Mill is not mounted to a cart, tables for the Mill will not be provided by SkillsUSA Ohio) ▪ Vise and hold downs (stock will be 3" W x 4" L x (tool change(s) will be required. ▪ Dial or Vernier calipers to measure 0" to 4" ▪ Necessary hand tools for your installation including safety glasses (3 pair) ▪ Two computers and software for CAD/CAM program ▪ Backup copies of the software ▪ Empty USB Drive ▪ Computers must be capable of transferring data from one computer to another with a removable media device ▪ One plotter/printer to plot/print CAD drawings and 8 ½ "x 11" paper ▪ 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) ▪ Calculator ▪ #2 pencils (sharpened) ▪ Parallels, to position top of stock to a minimum of ¾" above the vise ▪ Edge Finder or equivalent to square vise on Mill ▪ End Mills, flat, 2 or 4 flute: 1/16", 1/8", 3/16", and ¼" (tool change(s) will be required)
Contest Notes, Themes, & Deadlines	<ul style="list-style-type: none"> ▪ This contest is work-intensive and time-consuming contest. The 4 hours allotted for this contest is at the minimum adequate. Therefore, it is necessary to be ready to start the contest on time. It is required that your equipment is setup and checked out before the contest starts.

	<ul style="list-style-type: none"> ▪ You and your instructor may enter the contest area the evening before or the morning of the contest, before it starts, for the purpose of setting up your equipment and ensuring its service ability. ▪ Once you have ensured your equipment is working, you may leave the contest area. Please ensure you have tried and tested CAD software when disconnected from your school's WIFI. TEST THIS PRIOR TO ARRIVAL. 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.
<p>Special Notes</p>	<ul style="list-style-type: none"> ▪ Starting in 2024, all State Contests will begin to add a scenario-based component. ▪ Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio office may result in contestant disqualification. ▪ All safety requirements will be heavily enforced. Violation may result in contestant disqualification. ▪ No smart watches and/or phones are permitted during the contest and/or in contest. ▪ No contact with anyone outside of the contest area once the contest begins. ▪ No inappropriate communication between contestants such as verbally degrading another contest. ▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ▪ Starting in 2024, Wi-Fi is provided for contests where it is required for contest success.
<p>National Technical Standards</p>	<ul style="list-style-type: none"> ▪ Please refer to the 2023-2024 National Technical Standards for all contests. Any and all standards included may be tested in any competition. ▪ In conjunction with National Standards, violations may result in student loss of contest.
<p>Resume/Interview Requirement</p>	<ul style="list-style-type: none"> ▪ All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills.

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| | <ul style="list-style-type: none">▪ All contestants must have a hard copy of a one (1) page personal resume. |
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