



Precision Machining- North

Precision machining is the process of creating precise, detailed parts and components from metal or other materials using advanced tools and techniques to meet exact specifications.

On-Site/Off-Site	<ul style="list-style-type: none"> ● Off-Site
Contest Date	<ul style="list-style-type: none"> ● 2/28/2025
Contest Location	<ul style="list-style-type: none"> ● Cuyahoga Valley Career Center ● 8001 Brecksville Road, Brecksville, Ohio
Early/Normal Start Time	<ul style="list-style-type: none"> ● Early Start Time ● Lab will open at 7:30am ● Registration 8:00 - 8:30 am ● Machine and Lab Familiarization 8:30 - 9:00am ● Contest begins at 9am, estimated end time 2:00pm
Contest Open/Closed	<ul style="list-style-type: none"> ● Closed
Eligibility & Contest Type	<ul style="list-style-type: none"> ● Please refer to the Program Guidelines for eligibility- https://www.ohioskillsusa.org/resources/ ● State Only Contest (Only runs in Ohio- winner does not proceed to Nationals)
Clothing	<ul style="list-style-type: none"> ● <u>For Competition Day the Dress Code is:</u> Class D ● <u>For the Awards Ceremony the Dress Code is:</u> Class A or Class J ● <u>2025 SkillsUSA Ohio Clothing Guide</u>
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) ● Hard Sole Shoes.
Testing	<ul style="list-style-type: none"> ● There is no written test required for this competition.

<p>Provided by Contestant (Tool List)</p>	<ul style="list-style-type: none"> ● Resume ● Pencil and Paper ● Safety Glasses ● Hard Sole Shoes ● Calculator (student preference) (no cell phone) ● No Large Tool Boxes Needed and Will Not Be Allowed Near Machines ● Students may bring the following items (not required but may prefer personal measuring tools): <ul style="list-style-type: none"> ○ 6 inch caliper ○ 0-1 micrometer ○ 1-2 micrometer ○ 0-1 depth micrometer, ● Reference Materials, handbooks, etc. ● CVCC will supply all machine tooling and accessories for machining part to include: <ul style="list-style-type: none"> ○ Edge Finder ○ Parallels ○ Wrenches and Hex keys ○ Center gage and radius gage ○ Scriber ○ Center drills ○ Drills ○ Endmills (HSS) ○ Counter Sinks ○ Hammer and Dead Blow Mallets ○ Facing ○ Threading ○ Grooving and Turning Tools (Carbide Insert Tooling) ○ Cutting fluids ○ Shop Towels
<p>Contest Notes, Themes, & Deadlines</p>	<ul style="list-style-type: none"> ● Agenda for machine and inspection rotations will be based on number of contestants.
<p>WIFI Provided?</p>	<ul style="list-style-type: none"> ● No
<p>Special Notes/Rules for All Contests</p>	<ul style="list-style-type: none"> ● Started in 2024, all Skilled Trade State Contests (most leadership contests already use scenarios) will begin to add a scenario-based component. ● <u>Wi-Fi will NOT BE AVAILABLE unless listed above</u>. If you need WIFI access please plan to bring a hotspot. ● All safety requirements will be heavily enforced. Competitors are to follow all safety standards and OSHA Regulations ● <i>Contestants MUST HAVE A COPY OF THEIR EMERGENCY MEDICAL FORM IN THEIR NAME BADGE AT ALL TIMES</i>

	<ul style="list-style-type: none"> ● <u>THE FOLLOWING ITEMS ARE PROHIBITED; VIOLATION OF ANY OF THE FOLLOWING MAY RESULT IN COMPETITOR DISQUALIFICATION:</u> ● Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio is strictly prohibited. ● Possession of smart watches and/or phones during the contest and/or in contest. ● Contact with anyone outside of the contest area once the contest begins. ● Inappropriate communication between contestants such as verbally degrading another contest. ● Cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ● Lack of Copy Emergency Medical Form in Name Badge.
<p>National Technical Standards</p>	<ul style="list-style-type: none"> ● Please refer to the 2024-2026 National Technical Standards for all contests. All standards included may be tested in any competition. ● In conjunction with National Standards, lack of understanding of State Level competition standards (this document) 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. ● All contestants <u>must have a hard copy</u> of a one (1) page personal resume.