



Automated Manufacturing Technology



Contest Date(s):

March 22-26, 2021

(Orientation will begin at 10:00 AM)

Contest Type: IN-SCHOOL PROCTORED

(All contest types are listed on the website. YOU NEED TO BE FAMILIAR WITH BOTH THIS DOCUMENT AND THAT DOCUMENT.)

Submission Link(s):

**Dropbox: <https://www.dropbox.com/request/mSo1XQKLi8oZvdehseMX>
and/or**

Google Drive: <https://forms.gle/4AGUNcpWBfknYbBMA>

Zoom Contest Link(s):

March 22, 2021

<https://ohioskillsusa-org.zoom.us/j/98320710735?pwd=TEpTYzE0RVFVeGtNOWxBM1NVem1mQT09>

Meeting ID: 983 2071 0735

Passcode: 693252



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March 23, 2021

**[https://ohioskillsusa-
org.zoom.us/j/98849791526?pwd=NIlzSGtCL0piK1dzcVpqQklnbFN2UT09](https://ohioskillsusa-org.zoom.us/j/98849791526?pwd=NIlzSGtCL0piK1dzcVpqQklnbFN2UT09)**

**Meeting ID: 988 4979 1526
Passcode: 023452**

March 24, 2021

**[https://ohioskillsusa-
org.zoom.us/j/93846836787?pwd=b2EyNnR5NnR5MWRRejJjOU5DSDJlQT09](https://ohioskillsusa-org.zoom.us/j/93846836787?pwd=b2EyNnR5NnR5MWRRejJjOU5DSDJlQT09)**

**Meeting ID: 938 4683 6787
Passcode: 178969**

March 25, 2021

**[https://ohioskillsusa-
org.zoom.us/j/94953792507?pwd=b0FLS29ESkUzU1Jkc1VCU0dhWUZ2Zz09](https://ohioskillsusa-org.zoom.us/j/94953792507?pwd=b0FLS29ESkUzU1Jkc1VCU0dhWUZ2Zz09)**

**Meeting ID: 949 5379 2507
Passcode: 327696**

March 26, 2021

**[https://ohioskillsusa-
org.zoom.us/j/93839937015?pwd=ZHB1Unl3UWVSMmcvRUFmcVlwWGoyZz09](https://ohioskillsusa-org.zoom.us/j/93839937015?pwd=ZHB1Unl3UWVSMmcvRUFmcVlwWGoyZz09)**



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Meeting ID: 938 3993 7015

Passcode: 127584

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PURPOSE

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

ELIGIBILITY:

3 Person Team event; in accordance with the SkillsUSA Ohio Program Guidelines.

ORIENTATION

Orientation will be at 10:00 AM and the contest will start at 10:30 AM and go until 1:00 PM on the date provided by the Contest Coordinator. (The contest will be broken out into small sessions and will be run the week of March 22 – 26, 2021)

CLOTHING REQUIREMENTS

School Uniform with all identifying logos/markers covered (no jeans) or appropriate work attire: no jeans, no tennis or open toe shoes. Shirts cannot have logos, slogans or pictures, school names should be covered. Loose fitting clothing must be secured. Safety glasses must meet SkillsUSA Technical Standards.

TOOLS PROVIDED BY CONTESTANTS

- CNC Machining Center (Mill)
- Control System for Mill (Computer if required)
- Vise and hold downs (stock will be 3" W x 4" L x 2" H)
- Parallels, to position top of stock to a minimum of 3/4" above the vise
- Edge Finder or equivalent to square vise on Mill
- End Mills, flat, 2 or 4 flute: 1/8", 1/4", and 3/8" (tool change(s) will be required)
- Ball Mill, 1/8"
- Dial or Vernier calipers to measure 0" to 4"
- Necessary hand tools for your installation including safety glasses (3 pair)
- Computer and software for CAD/CAM programs and access to Internet/Email
- Camera/Microphone for Virtual Contest
- Calculator
- #2 pencils (sharpened)
- One copy of a typed personal résumé

TOOLS PROVIDED BY TECHNICAL COMMITTEE

All forms for documentation and milling stock will be provided by the Technical Committee during orientation.

In addition to the above Equipment to be provided by each team:

The Automated Manufacturing Technology is a work-intensive and time-consuming contest. The 2.5 hours allotted for this contest is at a minimum adequate. Therefore, it is necessary to be ready to start the contest on time. Orientation will be at 10:00 AM and the contest will start at 10:30 AM and go until 1:00 PM on the date provided by the Contest Coordinator. (The contest will be broken out into small sessions and will be ran the week of March 22 – 26, 2021)

In view of the complexity and length of this contest, it is required that your equipment is set up and checked out before the contest starts.

Devices supplied by the technical committee will not be disassembled or opened for any reason unless explicitly directed to do so by a contest official. Disqualification will result if this is not adhered to.

SPECIAL INFORMATION

- No smart watches or phones are permitted during the contest.





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- Contestants will receive a sealed box with contest items in advance of the contest, this box is not to be opened until told to do so by the judges; if the box is opened prior, it will result in disqualification.

SCOPE OF THE CONTEST

The contest will be judged based on the criteria established in the current year's National Technical Standards, which are updated annually. National Technical Standards are accessed through your Professional SkillsUSA Membership benefits by logging on to your SkillsUSA account at <https://www.skillsusa-register.org/Login.aspx>.