



PRECISION MACHINING



Contest Date(s):

April 16, 2021

(Orientation will begin at 9:00am)

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.)

Classmarker Online Testing Link(s): (To be accessed on the day of the contest, upon the instruction of the judge(s).)

<https://www.classmarker.com/online-test/start/?quiz=t73604fda6f6345c>

Zoom Contest Link(s):

<https://sinclair.zoom.us/j/85704189154?pwd=M1EwbW8xR1V5T3gyVGtXNkRiVk9tQT09>

Meeting ID: 857 0418 9154

Passcode: 575274

Precision Machining Contest

SPECIAL INSTRUCTIONS:

- All contestants must have at least one each of the following Lathe tool bits: Threading, Turning, and Facing
- This year, the contestant/school is responsible for providing their own:
 - 1/8" Parting Tool
 - Shop rags
 - Cutting oil
 - Machine accessories
 - 3/4-16 UNF standard nut (for the student to check their thread and for the proctor to verify the thread is correct)
- No carbide tooling will be used for this contest
- Contestants cannot wear clothing or hats that contain the name of their school

TOOLS PROVIDED BY THE CONTESTANT:

<u>QTY</u>	<u>ITEM</u>	<u>QTY</u>	<u>ITEM</u>
1	ToolBox	1	6" Steel Rule
1	0"-1" Micrometer	1	6" Dial or Digital Caliper
1	1"-2" Micrometer	1	8-12" Adjustable Wrench
1	0"-1" Depth Micrometer	1	Ball Peen Hammer
Any Number	Edge Finder	1	Scriber
1	Center Gage	Any Number	Pencil and Paper
Any Number	.25" Drill	Any Number	Safety Glasses
1	3/4" x 82 deg Countersink	1 Pair	Hard Sole Shoes
1	1/2" x 82 deg Countersink	1	Calculator
	#2 #3 Center Drills	1	Trig. Book
	1/8" Radius gage	1	6" or 12" Combination Sq.
Any Number	5/16" or 3/8" HSS Tool Bits	1	Vise Stop
Any Number	Files	Any Number	Parallels - 1", 1 1/4", 1 1/2"
1 set	Hex Keys up to 3/8"		
1	Dead Blow Hammer		
1	Center Punch/Pick Punch		
1	Apron or Shop Coat		
Any Number	1/4", 3/8", 1/2", 1" 2 Flute End Mills		