

Surface Grinder Quiz

This quiz was made for the Second Life Precision Tools area. The purpose of the quiz is to orient, quiz, and assess the student's knowledge of precision measurement tools. This Surface Grinder Quiz deliverable was developed for the Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grant Program Round 2 Grant, Innovations Moving People to Achieve Certified Training (IMPACT): TC-23752-12-60-A-31.



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Surface Grinder Machine Quiz

- 1) Adjustments made to move the grinding wheel down for another cut, is made with what part of the surface grinder?
 - a) Vertical Hand Wheel Adjustment
 - b) Crossfeed Adjustment Hand Wheel
 - c) Table Traverse Hand Wheel
 - d) None of the above
- 2) To locate the right & left positions of the trip dogs, the table and magnet need to be moved manually. Name the correct part of the surface grinder to accomplish this task.
 - a) Vertical Hand Wheel Adjustment
 - b) Crossfeed Adjustment Hand Wheel
 - c) Table Traverse Hand Wheel
 - d) None of the above
- 3) To move the part in and out for each cut of the grinding wheel, this part of the surface grinder is adjusted.
 - a) Vertical Hand Wheel Adjustment
 - b) Crossfeed Adjustment Hand Wheel
 - c) Table Traverse Hand Wheel
 - d) None of the above
- 4) This control is used to bring the power on to the surface grinder once the main switch on the back panel has been thrown. This component gives power to all the switches on the control panel.
 - a) Power Reset
 - b) Emergency Stop
 - c) Setup Mode Switch
 - d) None of the above
- 5) This machine control selects different operations of the grinding wheel's vertical movement. These include auto feed down, rapid manual movement and auto feed down on each directional change of the table.
 - a) Backstop Right
 - b) Toggle between Hand / Power Cross Feed
 - c) Setup Mode Switch
 - d) Start In Direction of Cross Feed
- 6) This control kills all power to the surface grinder in case of an emergency.
 - a) Power Feed Lever
 - b) Emergency Stop
 - c) Power Disconnect
 - d) Setup Mode Switch
- 7) To hold parts down on the magnet with the magnet this control must be set.
 - a) Magnet on switch is set to enough relay (?) to hold part
 - b) Magnet off switch is set
 - c) Light control is turned on
 - d) None of the above

- 8) In order for the grinding wheel to start spinning, this must be set.
 - a) Electro Magnet
 - b) Power Reset
 - c) Emergency Stop
 - d) All of the above
- 9) In order to hold parts down on the magnet with the magnet, the parts must:
 - a) Contain iron
 - b) Be made of aluminum
 - c) Have only square shapes
 - d) None of the above
- 10) Surface grinders are used to:
 - a) Grind flat surfaces to a specific size
 - b) Grind surfaces to a specific finish
 - c) Grind hardened parts that can't be cut with conventional tools
 - d) All of the above