Unit 10 - Week 8: Abrasive machining processes and their cutting fluids

Assignment 8

The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

1. A grinding wheel is manufactured by _______.
   - Cool press method
   - Hot press method
   - Re-pressing method
   - None of these
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - Cool press method

2. Grinding wheel Q2 defined as _______.
   - Ratio of wheel volume to work material volume
   - Ratio of traverse feed to longitudinal feed
   - Ratio of longitudinal feed to traverse feed
   - Ratio of workpiece material removal volume to wheel wear volume
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - Ratio of wheel volume to work material volume

3. During the third step of finish, rapid differentiation of tool edge takes place because _______.
   - Order wear is large
   - Temperatures of the tool decrease exponentially
   - Flank wear is only marginal
   - Temperatures of the tool increase gradually
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - Temperatures of the tool increase gradually

4. Which of the following is used mainly in grinding abrasive wheels?
   - Diamond
   - Cubic boron nitride
   - Aluminium oxide
   - Silicon carbide
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - Diamond

5. In a double tool setup, hard tool experiences higher cutting forces.
   - True
   - False
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - False

6. Reaming is primarily used for achieving _______.
   - Higher WRB
   - Improved dimensional tolerance
   - Improved surface finish
   - Improved positional tolerance
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - Improved dimensional tolerance

7. Soft workpiece material can’t be economically processed due to _______.
   - The high temperatures involved
   - Rapid wheel wear
   - Frequent wheel breakage
   - Low workpiece stresses
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - The high temperatures involved

8. The most popular chuck used in surface grinding is _______.
   - Three jaw chuck
   - Irregular chuck
   - Magnetic chuck
   - Pneumatic chuck
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - Three jaw chuck

9. _______ operation is usually performed after polishing.
   - Lapping
   - Buffing
   - Honing
   - All of the above
   - The answer is incorrect.
   - Score: 0
   - Accepted Answers:
     - All of the above

10. Buffing wheels are made of _______.
    - Cotton fibre
    - Silicon carbide
    - Grits
    - Carbon
    - The answer is incorrect.
    - Score: 0
    - Accepted Answers:
      - Cotton fibre

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