Die casting

1. What is the resulting die casting product is called?  
  : r1 casting  
  : r2 form  
  : r3 piston  
  : r4 foundry  
: r1 ok  
-  
2. The advantage of die casting is not  
  : r1 slow casting method  
  : r2 possibility of production of complex shape products  
  : r3 lower input material costs  
  : r4 Possibility of production of thin-walled products  
: r1 ok  
-  
3. The disadvantage of die casting is  
  : r1 less ductility  
  : r2 input material cost  
  : r3 small number of products made from one mold  
  : r4 waste production  
: r1 ok  
-  
4. What causes good mechanical properties of the final casting product?  
  : r1 fine-grained structure  
  : r2 Use of permanent form  
  : r3 smooth cast surface  
  : r4 casting speed  
: r1 ok  
-  
5. Die casting technology is demanding  
  : r1 qualification of workers  
  : r2 high input material costs  
  : r3 waste production  
  : r4 number of molds used

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:r1 ok

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6. From a technological point of view, die casting machines are divided into  
 : r1 machines with hot and cold chamber  
 : r2 machines with high and low casting speed  
 : r3 machines using one or more molds  
 : r4 vertical and horizontal machines  
: r1 ok  
-  
7. Hot chamber casting machines are not used  
 : r1 for casting of high-melting alloys  
 : r2 for casting low-melting alloys  
 : r3 for casting tin and lead alloys  
 : r4 for casting lead and zinc alloys  
: r1 ok  
-  
8. How long does it take to set the metal in the mold cavity?  
 : r1 a few seconds  
 : r2 1 - 2 minutes  
 : r3 about 5 minutes  
 : r4 More than 5 minutes  
: r1 ok  
-  
9. Cold chamber casting machines are not used  
 : r1 for casting low-melting alloys  
 : r2 for casting aluminum and magnesium alloys  
 : r3 for casting magnesium and brass alloys  
 : r4 for casting iron, magnesium, brass and iron alloys  
: r1 ok  
-  
10. What do casting machines with a cold vertical chamber consist of?  
 : r1 vertical cylinder, nozzle, press piston, lower piston  
 : r2 horizontal cylinder, nozzles, holding furnace, pressing piston  
 : r3 pressing piston, lower piston, horizontal cylinder, holding furnace  
 : r4 holding furnace, vertical cylinder, press piston, lower piston  
: r1 ok

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11. Die-casting machines do not perform the following operations  
  : r1 metal melting  
  : r2 casting solidification  
  : r3 ejecting cores  
  : r4 Pressing of metal into a mold  
: r1 ok  
-  
12. The main part of casting machines is not  
  : r1 melting mechanism  
  : r2 drive  
  : r3 pressing mechanism  
  : r4 control system  
: r1 locking mechanism  
-  
13. Which type does not belong to the closing mechanisms?  
 : r1 manual closing mechanism  
  : r2 electric closure mechanism  
  : r3 mechanical closing mechanism  
  : r4 hydraulic lock mechanism  
: r1 ok  
-  
14. The drive of die casting machines is  
  : r1 Hydraulic  
  : r2 mechanical  
  : r3 piston  
  : r4 hydraulic-mechanical  
: r1 ok  
-  
15. Which pump type is one of the pump types for die casting machines?  
  : r1 All three  
  : r2 piston control pump  
  : r3 vane control pump  
  : r4 screw control pump  
: r1 ok

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16. What criteria forms do not have to meet?  
  : r1 to allow the metal to melt  
  : r2 high pressure resistance  
  : r3 production of products with exact dimensions  
  : r4 allow casting to be removed  
: r1 ok  
-  
17. The essential part of the form is not  
  : r1 notch system  
  : r2 inlet system  
  : r3 ejection system  
  : r4 venting system  
: r1 ok  
-  
18. What criteria must the mold inflow system meet?  
  : r1 all  
  : r2 correct filling of mold cavities  
  : r3 temperature rise limitation  
  : r4 limited vortex formation in the melt stream  
: r1 ok  
-  
19. What is the function of risers?  
  : r1 to increase the melt volume  
  : r2 to prevent shrinkage  
  : r3 to reduce the porosity of the product  
  : r4 for easier cooling of castings  
: r1 ok  
-  
20. How can porosity of a product be detected?  
  : r1 using X-ray  
  : r2 it´s visible  
  : r3 tensile test  
  : r4 compression test  
: r1 ok

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