Die casting

1. What is the resulting die casting product is called?
  : r1 casting
  : r2 form
  : r3 piston
  : r4 foundry
: r1 ok
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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
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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
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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
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5. Die casting technology is demanding
  : r1 qualification of workers
  : r2 high input material costs
  : r3 waste production
  : r4 number of molds used

Show more

Show less

: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
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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
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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
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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
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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
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12. The main part of casting machines is not
  : r1 melting mechanism
  : r2 drive
  : r3 pressing mechanism
  : r4 control system
: r1 locking mechanism
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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
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14. The drive of die casting machines is
  : r1 Hydraulic
  : r2 mechanical
  : r3 piston
  : r4 hydraulic-mechanical
: r1 ok
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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
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17. The essential part of the form is not
  : r1 notch system
  : r2 inlet system
  : r3 ejection system
  : r4 venting system
: r1 ok
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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
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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
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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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