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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Maquina para hacer Muescas para prueba IZOD/CHARPY LY-ZKQ20

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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

ZQK-20
Automatic Notch Machine

Operation Manual

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Content

1. Brief Introduction

ZQK-20 automatic notch machine is mainly used to notch on specimens for IZOD impact test and CHARPY impact test. The technical parameters of this machine comply to GB/T1043、GB/T1843、ISO179、ISO180 standards. This notch machine adopts milling cutter to notch specimen. By using a thickness profiler explorator, the machine can make the notch on the impact test sample quickly and easily. This is upgrading machine from the old type and performance perfectly.

ZQK-20 automatic notch machine can prepare IZDO impact test sample type 1, 2, 3 and 4 and CHARPY impact test sample type, 2, 3 and 4.. Others different type samples can be notched through changing milling cutter and standard specimen thickness profiler. It also can prepare specimen in quantity, quick speed in easy operation.

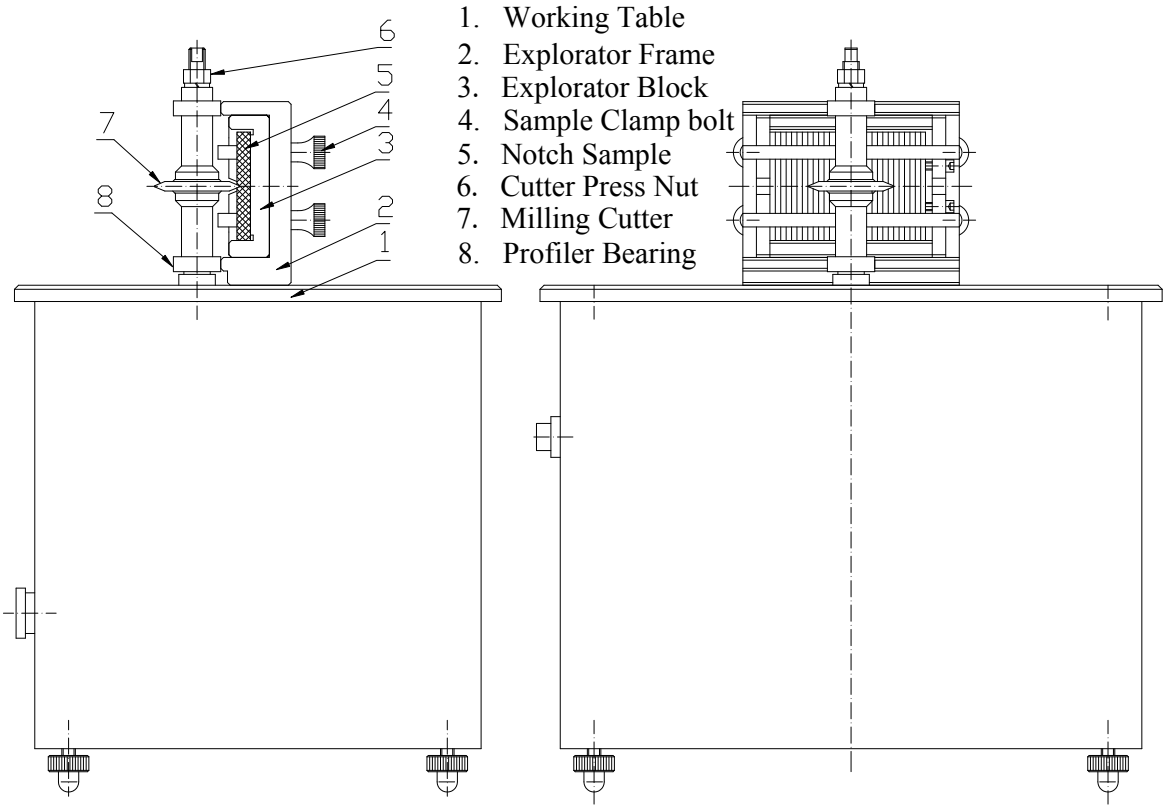
2. Technical Parameters

Rated Power: 220V±10%, 50Hz
Milling Cutter Rotate Speed: 1300r/min
Profiler Explorator Stroke: 100mm
Work Table Size: 500mm×380mm
Specimen Type: CHARPY impact type 1, 2, 3 and 4
IZOD impact type 1, 2, 3 and 4
Milling Cutter Parameters:
Type A: Φ63mm，45º±30'，R=0.25±0.025mm
Type B: Φ63mm，45º±30'，R=1.0±0.025mm

3. Structural Features

Notch machine working part is composed of notch milling cutter structure and specimen explorator clamp structure. The milling cutter, which is driven by motor and transmission part, rotates in high speed to notch sample. Different type of notch can be made by change A, B and C type milling cutter.。The specimen explorator frame clamps specimen and adjust center pint of specimen, chose notch depth, make feeding of milling and cutting. There are different types of standard specimen exploratory block of different thickness according to the required notch

depth. It can prepare specimen one by one also can do it in batch and with exquisite structure, large range to adjust, quick speed and smooth and steady feed.



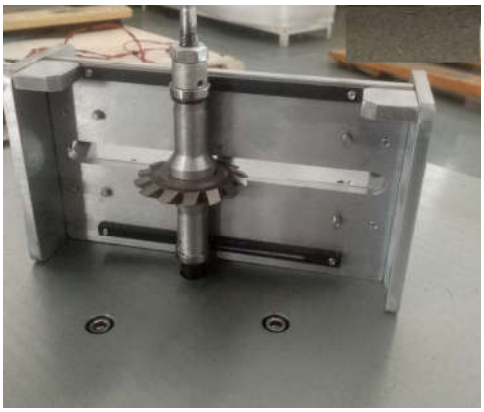
4. Operation Method

1). According to the type of specimen notch, choose relative type of milling cutter A or B, install milling pole and clamp it.

2). According to the type of specimen and notch depth required, choose relative explorator block, and fix it to explorator clamp.

3). Install one specimen or a batch of specimens into the jaw of explorator. The center of specimen should be alignment with center of explorator clamp.

4). Use specimen press black stripe to clamp specimens, if it is loose, add side clamp bolts (four pieces).



5). Start motor power switch to drive milling cutter rotation.
6). Make the explorator which equipped with specimens lean against milling cutter to notch, move the explorator frame to do feeding by hand to make the cutter notch on the specimen, until the notch is finished
7). Stop motor, get out the specimen. Specimen notching is finished.

5. Notice

1). There are 2 different thickness of explorator block as 6.5mm and 7mm corresponding to different testing standard and method requirement.
2). When made specimen in batch, the size should be the same.
3). The milling cutter should be fixed tightly, loosen installation is forbidden.
4). When the milling cutter is working, don't touch it in case of hurt people

6. Maintenance

1). When specimen notching is finished, please clean work table .
2). The standard specimen explorator block should be dismounted and safekeeping to avoid damage.
3). The milling Cutter tooth can not touch any part of machine to avoid damage.
4). When the work is finished please cut off power supply in case of incident.
5). Add some engine oil or grease to gliding part of machine at fixed period

7. Transporting and Installment

1). Avoid collision and concussion in the process of unload and transport.
2). Please check the part list when unpacking the case, clean it if necessary.

3). Adjust level screw to make the machine be level and stable during mounting and installation.

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