



**ZBC2752-C CHARPY Impact Testing Machine**

**Capacity: 750J**

**1. Description:** Computer Control Automatic Pendulum Impact Testing Machine

**2. Model:** ZBC2752-C

**3. Capacity:** 750J

#### **4. Introduction**

4.1 Computer controlled fully automatic metal CHARPY impact tester (has LCD and Dial display also) is used for measuring the CHARPY impact resistance of metal and other material.

4.2 It uses industrial PLC to control pendulum with high precision rotary encoder measuring striker real time position. The whole system is stable, reliable and accurate. It is easy-to-use with high efficiency.

4.3 Testing results, such as impact strength, extracted energy and angle of striking edge, can be calculated, displayed and printed automatically, which could meet most of customer's requirement.

4.4 This system complies with standard ISO148, and other equivalent standards.

4.5 The system uses German Siemens S7-200 Series PLC to control lower console and an industrial computer to control upper console, the later applies for VB programmed and RS485 communication mode to exchange the data and transmit the order, which takes all advantage of PC powerful function to process the data and result. High precise rotation encoder captures real time position of striker and the absorb energy, reliably, stably, and accurately.

#### **5 Technical Specification:**

7.1 Maximum impact capacity: 750J

7.2 Raising angle:  $150^{\circ} \pm 1^{\circ}$

7.3 Impact speed: 5.24m/s

7.4 Anvil span: 40mm

7.5 Distance from striking center to support center: 750mm

7.6 Radius of anvils: 1~1.5mm

7.7 Cut angle of the striker blade:  $30^{\circ}$

7.8 Thickness of striker blade: 16mm

7.9 Sample specification: 55 mm (L) x 10 mm (W) x 10 mm (H).

7.10 Load frame dimension: ( including shield): 2100mm×835mm×2100mm

7.11 Weight: 900kg

7.12 Power supply: **3 phase 5 lines, 415V±10%,10A, 50Hz, 300W**

## 8. Standard Accessory:

- 8.1 Load frame, one set(including hanging & releasing pendulum device and safety shield)
- 8.2 Controlling Console, one set
- 8.3 CHARPY striker of 750J, 450J, 300J, one unit each.
- 8.4 Samples collection device, one set
- 8.5 ZBC POWERTEST testing software, one set
- 8.6 Anvil adjusting device, one piece
- 8.7 Sample center setting device, one piece
- 8.8 Hexagon ring spanner, one piece

## 9. Services:

1. WARRANTY: 12 Months from the date of Installation, or 15 months from date of Shipment, against defects in workmanship or in material under normal use & service, whichever is earlier. (Remark: The warranty excludes expendable parts. And the Seller reserves the right to reject those claims for warranty where it is determined that failure is caused by the Buyer's modification, improper maintenance, misuse, or abusing the equipment).
2. Software upgrade, free of charges;