

## Max Section 180mm Heavy Duty Automatic Metallographic Specimen Cutting Machine



### **Brief Introduction:**

LQ-180Z large-scale cutting machine is a kind of PLC automatic control metallographic sample cutting machine. It adopts Schneider Electric and Mitsubishi software, automatic precise control in X, Y and Z directions, variable speed control of cutting speed, and has very high reliability and control ability.

With the following features:

1. Electronic handwheel, automatic random conversion
2. Touch screen display various cutting data
3. Precise positioning.
4. Vertical cutting, horizontal continuous cutting, sweep cutting three function cutting methods

Various cutting methods can adapt to different hardness materials to achieve the purpose of rapid cutting. In order to facilitate the clarity of the cutting chamber and the safety of the spindle motor, we have adopted the machine and electric separation setting;

The cutting room safety cover has an oversized viewing window, which allows the user to easily observe the whole process of cutting;

The LED lighting is installed in the cutting chamber. It can effectively illuminate the area used in the whole cutting room; the ventilation air in the cutting chamber can ensure the efficient flow of various steam and smoke generated during cutting, which increases the brightness and clarity of the working room; the design of

man-machine engineering is more user-friendly.

The highlighted features: low noise, simple and convenient operation, excellent cutting quality, beautiful appearance, safe use, is one of the necessary equipment for laboratory production.

Body form: horizontal, with left (safety cover), right sliding door, side opening door, fixture, flushing faucet etc., right touch controller, motor chamber. The rear side cooling water tank (independent) is composed.

Inverter motor directly connected to the cutting blade, stepless speed regulation, concise design, sturdy structure, direct drive provides power transmission between the motor and the cutting piece, and ensures high efficiency, low noise, minimum maintenance and longer Service life.

Designed for large-volume cutting of large workpieces, it is easier to maintain machine parts and handle large workpieces. Sliding doors and side-opening doors allow you to have more space and unlimited access, making it easier to load large workpieces in the right place. The workpiece can be fed into the cutting chamber from the top, the front, and the left. The work area is fully enclosed and has a transparent shield for viewing in the cutting room.

#### Technical Specifications:

|                  |  |                                |  |
|------------------|--|--------------------------------|--|
| product name     | Automatic Metallographic Specimen Cutting Machine      | Max. cutting diameter          | 180mm  |
| Product color    | White and Blue color                                   | Specification of cutting wheel | 500*4*32mm                                     |
| product material | Steel  | Weight                         | 3000KG   |
| Feature          | 100% Eco-friendly/Soft/Lovely                          | Spindle Rotation speed         | 50-2600r/min                                   |
| Quality Control  | By advanced equipment and experienced QC team          | Motor voltage                  | 380V,50Hz,3Ph                                  |
| Delivery Term    | 35 working days after receiving T/T<br>100% deposit    | power                          | 11KW   |
| Operation method | Automatic  | Dimension (L*W*H)              | 1800*1700*2500mm                               |
| Cutting mode     | Vertical cutting, horizontal cutting,<br>sweep cutting | Feed way                       | 0.00-0.25mm/s(adjust<br>step length to 0.01mm) |