



# HIGH-SPEED PRECISION METALLOGRAPHIC SAMPLE CUTTING MACHINE



- **VALUE**
- **VERSATILITY**
- **PERFORMANCE**



**BCM-200XY**

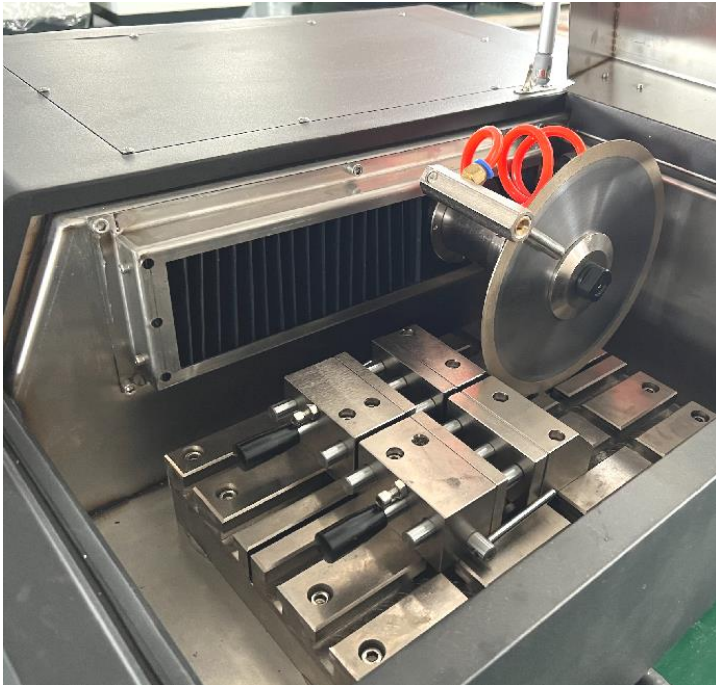


**DESCRIPTION:**

**BCM-200XY** high-speed precision cutting machine adopts touch screen and PLC control, with stable performance and real-time display of cutting parameters; Y-axis automatic feed cutting, with high positioning accuracy, large speed range and strong cutting capacity; X-axis automatic feed cutting can make a series of cuts. The cutting chamber adopts a fully enclosed structure with transparent protective cover for observation during cutting; equipped with circulating cooling system, the surface of the cut specimen is bright and flat without burns;

It is especially suitable for precision deformation-free cutting of metals, electronic components, ceramic materials, crystals, hard alloys, rock and ore, concrete, organic materials, biological materials (teeth, bone) and other materials, and is ideal for automatic precision cutting on the table.

**High quality Fast clamping design, hold and remove sample is very easy**



**TECHNICAL SPECIFICATIONS:**

| Model No.                    | BCM-200XY                        |
|------------------------------|----------------------------------|
| Cutting method               | Direct cutting, Impact cutting   |
| Feed speed                   | 0.01-5mm/s                       |
| Manual feed speed            | 0-30mm/s                         |
| Impact cutting distance      | 0.1-2mm                          |
| Cutting wheel size           | Φ200x0.9xΦ32mm                   |
| Spindle speed                | 500-5000rpm                      |
| Y-axis travel                | 200mm                            |
| X-axis travel                | 45mm (can extend to 60mm)        |
| Maximum cutting diameter     | Φ 60mm                           |
| Servo Motor power            | 750W (optional 1.1KW)            |
| Input power                  | Single Phase AC220V, 50Hz, 1000W |
| Display and control          | Touch Screen                     |
| Transverse clamping width    | 200mm                            |
| Longitudinal clamping length | 150mm                            |
| Cutting fixture              | Quick Clamp                      |
| Cutter Size & Net weight     | 750×860×430mm (WXDXH); 97kg      |
| Cutter pack size & G/W       | 935x865x566mm, 120kg             |
| Water tank size and N/W      | 470x370x300mm, 17kg              |
| Water tank Pack size & G/W   | 650x440x460mm, 27kg              |

\* Due to continues product development, product image & Specifications are subject to change.

\* Customization can be done as per user requirement.

**STANDARD ACCESSORIES:**

| Item                         | Quantity | Item                 | Quantity |
|------------------------------|----------|----------------------|----------|
| CM-200Y cutting machine      | 1        | Wrench 17#-19#       | 1        |
| Live spanner 0-200           | 1        | water tank           | 1        |
| Diamond Cutting wheel Φ200mm | 1        | Power line 3*1.5     | 1        |
| Water inlet & Drain-pipe     | 2        | Manual & Certificate | 1        |