# Precision auxiliary equipment



## Planetary pipe cutting machine

The pipe to be cut is fixed on the "self-centering type" clamping device. The pipe will not deform. The cutting speed can be quickly adjusted according to the pipe diameter. Hold the cutting head and rotate it around the pipe once. Rotate the toothed blade to cut the pipe. There will be no burrs, no deformation, and the cut is absolutely vertical.

### Scope of application

- Plastic pipe(PE/PP/PV/DE/PVC)
- Copper pipe
- Cast iron pipe
- Ordinary structural steel pipe
- Galvanized pipe
- Aluminum pipe
- 304 stainless steel pipe

| Model | XD-Q3 | XD-Q4 | XD-Q3B | XD-Q4B | XD-Q6B | XD-Q8B | XD-Q12B |
|---|---|---|---|---|---|---|---|
| Cutting Range [mm/Inch] | 6-76.2 | 12-120 | 6-76.2 | 12-120 | 16-171 | 55-228 | 140-330 |
| | 1/4"-3.0" | 1/2"-4.5" | 1/4"-3.0" | 1/2"-4.5" | 5/8"-6.5" | 2"-9" | 5.5"-13" |
| Dimensions[mm] | 640*390*480 | | 640*500*570 | | 640*500*620 | | 830*550*800 |
| Net Weight[kg] | 36.8 | 46.5 | 23 | 46.3 | 56 | 67.5 | 90 |
| Gross Weight[kg] | 46.95 | 56.65 | 33.15 | 58.9 | 68.75 | 81.5 | 103.85 |
| Blade Rotating Speed | 85–210 rpm; speed adjustable. Reduce the speed accordingly for larger pipe diameters | | | | | | |
| Cutting Wall Thickness | Min. 1mm; Max. 8mm | | | | | | |
| Chuck | V-type Chuck | | 3-jaw | 4-jaw | 4-jaw | 6-jaw | / |
| Motor | High-power motor, 1500W | | Metabo Brushless Motor, 1300W | | | | |
| Motor Voltage | 110V / 220V, two versions | | | | | | |




DC Rechargeable version



AC Plug-in version

## Tube facing machine

High-precision processing of special thin-walled stainless steel pipes, fast and efficient flat edge, no burrs on the end face after flat edge processing of the pipe, light, compact and easy to carry, high processing efficiency and strong power.

| Model | Motor Type | Cutting Range | Cutting Wall Thickness | Net Weight |
|---|---|---|---|---|
| **XD-1.0** | AC | 3-25.4mm 0.118-1.0 inch | 0.5-3.0mm | 4.75kg |
| | DC | | | 2.1kg |
| **XD-1.5** | AC | 3.0-38.1mm 0.118-1.5 inch | 0.5-3.0mm | 5.1kg |
| | DC | | | 2.4kg |
| **XD-2.0** | AC | 6.0-50.8mm 0.236-2.0 inch | 0.5-3.0mm | 5.2kg |
| | DC | | | 2.55KG |
| **XD-2.5** | AC | 9.0-63.5mm 0.354-2.5 inch | 0.5-3.0mm | 5.4kg |
| | DC | | | 2.7kg |
| **XD-3.0** | AC | 12.7-76.2mm 0.5-3.0 inch | 0.5-5.0mm | 6.65kg |
| **XD-4.5** | AC | 12.7-114.3mm 0.5-4.5 inch | 0.5-5.0mm | 18.2kg |



## Tungsten grinding machine

Tungsten extreme surface processing equipment for grinding, cutting and end plane, used for grinding electrode tips that meet standards, replaceable, double-sided coated diamond grinding discs, grinding heads with different electrode angles and electrode diameters; Compact, lightweight and easy to carry; Suitable for the installation industry, with stable rotational speed, capable of cutting, sharpening and flat grinding.

| | |
|---|---|
| Tungsten diameter(mm) | 1.0/1.6/2.4/3.2 |
| Grinding tungsten angle | 22.5°/ 30° |
| Voltage | 220v |
| Power | 400w |
| speed regulation | Six speed regulation |
| weight | 1.3kg |



## Beveling machine

The internal expansion pipe beveling machine is a portable device for installing inside the pipe diameter and beveling the pipe end face. The expansion and tightening mechanism is fixed on the inner wall of the pipe, which can automatically locate and align, and the installation is quick and simple.

| Model | Inner diameter range | Maximum wall thickness per single cut | Cutter head rotation speed |
|---|---|---|---|
| BM-30 | ϕ18-28mm | ≤ 15mm | 50 |
| BM-80 | ϕ28-76mm | ≤ 15mm | 48 |
| BM-120 | ϕ40-120mm | ≤ 20mm | 39 |
| BM-159 | ϕ65-159mm | ≤ 20mm | 34 |
| BM-252 | ϕ80-240mm | ≤ 20mm | 18 |
| BM-352 | ϕ150-330mm | ≤ 20mm | 15 |



## Rapid Beveling Machine

This rapid beveling machine is specially designed for heat exchanger tubesheets and pipes. It adopts a pneumatically driven self-centering expanding mechanism, enabling automatic alignment, reducing manual positioning errors, and improving processing consistency.

| | | | |
|---|---|---|---|
| Clamping diameter range | ϕ14-34mm | Pipe wall thickness for cutting | ≤ 3.5mm |
| Processing diameter range | ϕ14-40mm | Pneumatic motor power | 1.1kW |
| Axial feed stroke of tool holder | 25mm | Air consumption | 1.0m³/min |
| Machine speed | 220rpm | Main machine weight | 9kg |