

## Roller-bed-type Pipe High-pressure Water Cutting & Beveling Machine



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**Model : BPWBM-24A**

### **Performance Characteristics**

1. On-line Performance: Good (designed for flow process)
2. Beveling Capacity:  $\leq 4$  Min/ pipeline (DN200 SCH40)
3. Cutting Capacity: one Beveling per time
4. Beveling: high quality
5. Price: Higher than Plasma Beveling and Cutting Machine with Roller Bed

### Technical parameter:

1. Pipe diameter: DN100-600 (  $\phi 114-610$  )
2. Pipe thickness: 1-18
3. Pipe materials: carbon steel, alloy steel, stainless steel, cryogenic steel and others.
4. Type Of Bevel: V
5. Cutting Length: 6350MM
6. Cutting Direction: radial direction
7. Rolling Machine :  
Structure: Double-roller with fixed distance  
Rolling Machine Length : 7000MM  
Driving System: servo motor with precision reducer  
Rotation Speed : 0-2.5M/Min ( stepless speed regulator of frequency conversion )  
Rolling Machine Material : carbon steel, Encapsulation  
Rotation Accuracy :  $< 2.0$ MM
8. Trolley System :  
Trolley Trip : 6350MM , vertical move  
Cutting Torch Trip : 700MM ( Ascending-descending ) 、 300MM ( Left-Right )

Cutting Mode : high pressure water jet  
Water Jet Angle :  $\pm 35^\circ$   
Water Jet Quantity: one piece  
Tracking System : high precision  
Angle Error :  $< 2^\circ$   
Length- determination System :  $< 2.0\text{MM}$   
9. Control System: SH-2000H NC Flame Cutting System  
10. Control System of a Definite Length: Included in control system  
11. Logistics System: Logistic System with elevator , driven by motor or electric  
12. High Voltage Generator Power : OEM (or as per customers' demands)  
Supercharging Type: hydraulic system  
Efficiency of Oil Pump:  $\leq 90\text{L/Min}$   
Nozzle Diameter:  $\leq 0.3\text{mm}$   
Hydraulic Pressure:  $\leq 380\text{MPa}$   
Working Hydraulic Pressure:  $330\text{MPa}$   
Motor Power:  $37\text{KW}$