

## Pipe Cutting & Beveling Machine

### Introduction

The PCBM series beveling machine is a light-duty and efficient stationary pipe cold cutting and beveling machine widely used in workshop or construction sites. Its performs cutting and beveling enables you to quickly accomplish various welding preparation jobs, enhancing work efficiency. Additionally, PCBM series beveling machine is not only cost-effective but also delivers stable performance, allowing you to save costs while ensuring quality. Whether you require routine job or are undertaking large-scale construction projects, the PCBM series beveling machine is a good option.



### Main Features

- Cuts or Cut/Bevel simultaneously;  
Cuts and bevels simultaneously leaving a clean precision prep. Ready for welding.
- Cold cutting/beveling for various materials: kinds of carbon steel, stainless steel, low temperature steel, etc., can achieve efficient beveling without affecting the material;
- Can be adjusted to meet the center of different pipe size;
- Multi-jaws self-centering concentric clamping pipe, thin wall steel pipe clamping without deformation, at the same time has a certain effect on the elasticity of the thin wall steel pipe;
- High processing efficiency

Pipe size	Time take
4" x 6mm	2 min
8" x 10mm	4 min
12" x 12mm	5 min

### Specification

Model	PCBM-6	PCBM-12	PCBM-20	PCBM-16	PCBM-24	PCBM-36
<b>Working Range</b>	1.4"-6" 34-168mm	2"-12" 48-325mm	10"-20" 273-530mm	3"-16" 89-426mm	12"-24" 325-630mm	24"-36" 610-930mm
<b>Rotation Speed</b>	0-54 Adjustable	0-45 Adjustable	0-26 Adjustable	0-35 Adjustable	0-20 Adjustable	0-15 Adjustable
<b>Power (Kw)</b>	2.2	4.0	4.0	5.5	7.5	7.5
<b>Center height of Equipment(mm)</b>	850-1050	880-1100	1000-1220	940-1100	1150-1300	1240-1470
<b>Weight (Kgs)</b>	550	700	950	1200	1600	1800
<b>Clamping Mode</b>	3 jaws Electric	4 jaws Electric	6 jaws Electric	4 jaws Electric	6 jaws Electric	6 jaws Electric
<b>Lifting</b>	Manually or Electric (Option)			Electric		
<b>Beveling Material</b>	Kinds of Stainless Steel, Alloy steel, Carbon steel					
<b>Wall thickness</b>	S.S.: 3-25mm. C.S.:3-30mm (Special tool box and tool up to 45mm)					
<b>Number of Tool</b>	2					
<b>Type of Beveling</b>	Comply with ASME B16.25, U, V, X					
<b>Beveling Angle</b>	30 / 37.5 or as per requirement					
<b>Tool Feed</b>	Radial feed, automatically					
<b>Feed Rate</b>	0.1-0.2mm/r					
<b>Cutting tips</b>	HSS					
<b>Cooling system</b>	Circulating water cooling					
<b>Machining accuracy</b>	Roughness:<Ra12.5 Perpendicularity: <1mm Angular deviation:<0.5°					
<b>Power supply</b>	380V 3PH 50/60HZ					



## Standard Supply

Item	Description	Qty	Remark
1	PCBM machine	1	
2	Beveling tool-30 Deg.	2	
3	Cutting tool	2	
4	Set of hand tool	1	
5	Lift/clamping wrench	1	As per model
6	Wrench for tool box	1	
7	Chip space	1	
8	Manual	1	

## Optional Supply

In order to meet the different working conditions, we provide a variety of auxiliary equipment and make the selection according to the following introduction.

Item	Description	Application	Suggestion
1	Conveyer table, electric driven (Can supply drawing to customer, manufacture by themselves)	Used to support the pipe and convey the pipe in/out	Entrance: 6M length Exit: 3M length, or by order
2	Conveyer table, Manually (Can supply drawing to customer, manufacture by themselves)	Used to support the pipe and convey the pipe in/out manually	Entrance: 6M length Exit: 3M length, or by order
3	Fixed-Length system, Manually	Used for the fixed length of pipe	Optional as required

## Conveying roller option



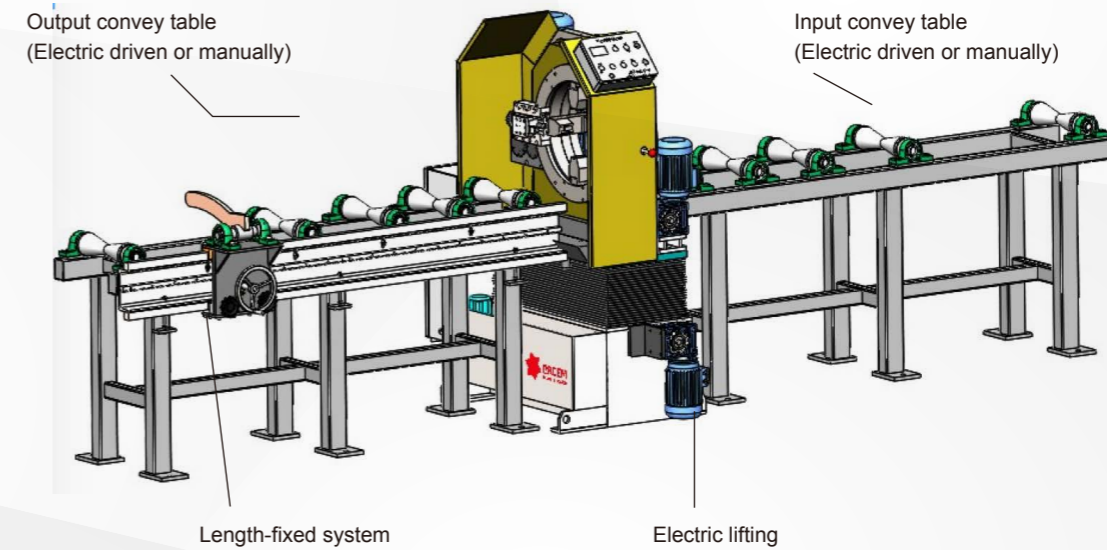
Steel Roller



Steel Roller with PU

## Layout

The pipe should be support to avoid damage to the equipment or the tool caused by the pipe clamping eccentricity; The pipe center align with machine center is an important condition to ensure the vertical end face of the pipe, so can choose the conveying roller table designed by our company or made by users; In order to meet the accurate positioning of the pipe length, we supply a fixed length mechanism as option.



## Machine On-Site





