

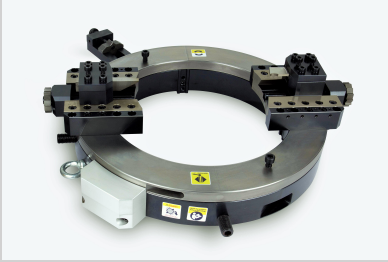
# SB&AB SERIES

## Pipe Cold Cutting and Beveling Machines

### - Clamshell -

### - Split frame -

#### Steel Body SB

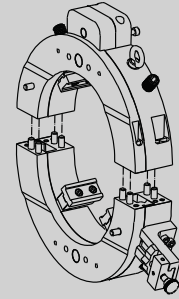


Both Rotary ring and Stationary ring made by steel. This is the traditional UK material. A little heavier for on-site machine.

#### Aluminum Body AB

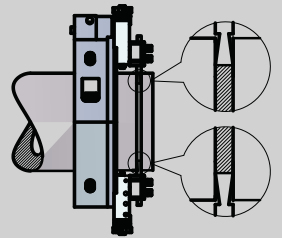
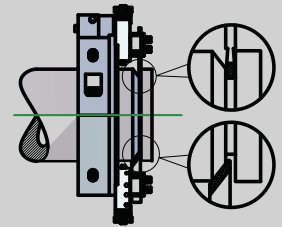


This is our new machine, stationary ring made by aluminum. Steel where strength is needed, aluminum where strength is less critical than weight. Lightweight makes more convenient for operator.



### OD-Mounted Pipe Cutting and Beveling Machine

The series machine is ideal for all types of pipe cutting, beveling and end preparation. The split frame design allows the machine to split in half at the frame and mount around the OD of the in-line pipe or fittings for strong, stable clamping. The equipment performs precision in-line cut or simultaneous cut/bevel, single point, counterbore and flange facing operations, as well as weld end preparation on open ended pipe, Ranging from 3/4 to 56 inches O.D. (DN20-1400), on most wall thicknesses and material.



### Optional Accessories



#### Tracking Tool Slide

O.D. tracking slide compensate for out-of-round pipe

### Features

#### Split frame

Machine quickly split to mount around outside diameter of in-line pipe

#### Cut or Cut/Bevel simultaneously

Cuts and bevels simultaneously leaving a clean precision prep ready for welding

#### Cold cut/Bevel

Hot torch cutting requires grinding and produces an undesirable heat affected zone

Cold cutting/beveling also improves safety

Low Axial & Radial Clearance

Tool feed automatically

Cut and bevel pipe of any wall thickness.

Materials include: Carbon steel, alloy, stainless steel as well as other material

Pneumatic, electric and hydraulic type for option

Machining OD of pipe from 3/4" up to 56"



### Universal Counter Boring Tool Slide

The tool slide performs boring and inside beveling



### Split installation



### Split point

# SB&AB SERIES

## Pipe Cold Cutting and Beveling Machines

### Selection Guide

17 sizes machine for options.  
Consult with us for special size.  
For narrow working condition, pay attention to the axial and radial clearance.

Model	Working Range (OD)		Wall Thickness
	Inch	mm	
SB002006	2 - 6	50 - 168	≤30
SB003008	3 - 8	80 - 230	≤30
SB004010	4 - 10	100 - 275	≤30
SB006012	6 - 12	168 - 325	≤30
SB008014	8 - 14	219 - 377	≤30
SB010016	10 - 16	273 - 426	≤30
SB012018	12 - 18	300 - 457	≤30
SB014020	14 - 20	355 - 508	≤30
SB016022	16 - 22	400 - 560	≤30
SB018024	18 - 24	457 - 610	≤30
SB020026	20 - 26	508 - 660	≤30
SB022028	22 - 28	550 - 715	≤30
SB024030	24 - 30	600 - 762	≤30
SB026032	26 - 32	660 - 813	≤30
SB030036	30 - 36	762 - 914	≤30
SB036042	36 - 42	914 - 1066	≤30
SB042048	42 - 48	1066 - 1230	≤30

### Specification

Drive Options: Pneumatic, Hydraulic, and Electric  
Air requirement: 1500L-3000L Per minute @0.6/0.7Mpa  
Hydraulic requirement: 2-60L per minute @12.5Mpa  
Electric requirement: 220-240V 1PH 50/60HZ  
Feed mode: Star wheel, automatically  
Feed rate: Fixed@0.08mm per circle  
Packaging: Plywood case



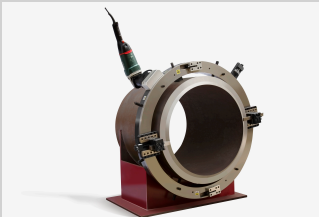
### Air Type ODP Series

Power Supply: 1500-3000L/Min@0.6/0.7Mpa  
**Advantage**  
Explosion Proof  
Stable Performance  
Simple structure makes easy to maintenance  
Occasionally overload no damage



### Electric Type ODE Series

(METAOBO Motor is available)  
Power Supply: 220-240V 1PH 50/60HZ  
**Advantage**  
Low Energy  
Power: 1600-2400W  
Self-made, easy to maintenance



## Tooling Chart

CUTTING TOOLS			
Description	Part Number	Application	Sketch
5x25x100mm M42 Cutting tool	42C-5100	Standard cutting, for most materials up to 30mm	
6x25x200mm M42 Cutting tool	42C-6200	Longer cutting tool, both ends have blade, for most materials up to 60mm	
8x25x200mm M42 Cutting tool	42C-8200	Longer cutting tool, both ends have blade, for most materials up to 60mm	

COUNTERBORING TOOL			
Description	Part Number	Application	Sketch
M42 Counterboring tool	42T	For pipe Counterboring install on the counter boring tool slide	

BEVELING TOOLS			
Description	Part Number	Application	Sketch
12x20x104mm M42 Beveling tool	42B-RH1220-30°	Right Hand Standard beveling tool for most materials up to 30mm	
	42B-RH1220-35°		
	42B-RH1220-37.5°		
12x20x104mm M42 Beveling tool	42B-LH1220-30°	Right Hand Standard beveling tool for most materials up to 30mm	
	42B-LH1220-37.5°		
12x20x150mm M42 Compound Beveling tool	42B-CB1220-10°X30°	Right Hand 10°X30°, for most materials up to 30mm	
	42B-CB1220-10°X37.5°	Right Hand 10°X37.5° as per ASME B(16). 25 for most materials up to 30mm	
25x25x150mm M42 Compound Beveling tool	42B-CB2525-10°X30°	Right Hand 10°X30°, for most materials up to 60mm	
	42B-CB2525-10°X37.5°	Right Hand 10°X37.5° as per ASME B(16). 25 for most materials up to 60mm	
25x25x200mm M42 Beveling tool	42B-2525-10°	Longer beveling tool, both ends have blade, for most materials up to 60mm. Fit the heavy wall tool slide	
	42B-2525-30°		
	42B-2525-37.5°		