STANDARD SPLIT FRAME PIPE CUTTING AND BEVELING MACHINE

Range for 20-1240mm (1”-48”) OD

OVERVIEW

Standard split frame pipe cutting and beveling machine, designed to cut, bevel, single point, counterbore and face on the pipe, tube and flanges. It is a portable pipe cutting and beveling machine tools of clamshell style. smartly designed, ability to split in half at the frame, easy to install on the pipe line. It is comprehensive used in pipework of oil, gas, food, petroleum, chemical, boiler, medicine machine, nuclear power, and power supply construction. 16 models are available in 6inch (152.4mm) increments, with additional sizes available by special order.

Features and Advantages

1. 16 models, Working range for pipe OD 1”-48”

2. Non-standard model can be customized

3. Out-mounted style, clamping by multipoint jaws.

4. Split frame technology, easy to install on the pipeline.

5. Cold cutting and beveling, don’t influence the pipe’s material.

6. Auto feed, cutting and beveling at the one time, cost effective.


8. Stationary ring is steel; rotation ring is aluminum, and steel optional

9. Electric, pneumatic, numerical controller and hydraulic drive options are available.

10. Several different drive options are available to best position the motor for a specific machining application.

11. It can be equipped a wide range of accessories to increase performance and expand capabilities.
CAPABILITY
1. Pipe cut off
2. Pipe end beveling
3. Pipe facing
4. Cutting and beveling
5. Compound beveling
6. Counterboring
7. Flange facing
8. Grooving

SPECIFICATION

<table>
<thead>
<tr>
<th>Model</th>
<th>Pipe Capacity</th>
<th>OD</th>
<th>wall Thickness</th>
<th>Rotating</th>
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<tbody>
<tr>
<td>Electric</td>
<td>Pneumatic</td>
<td>NC</td>
<td>Hydraulic</td>
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Above parameters just for reference only, not acceptance criteria
POWER SUPPLIES

**Electric:**
Convenient power supply, Stable Performance, Popular choice
Electric requirement: 220-240V 1PH 50/60HZ
Carbon brush Motor: 1.43KW, 1.7KW, 2.4KW
Brushless Motor: 1.5KW, 2.0KW, 3.0KW
Double motor for big model or heavy duty

**Pneumatic:**
Explosion Proof, Stable Performance, Easy to maintenance
Air requirement: 1500-2000L/min @0.63-0.8Mpa
Power: 2HP, 3HP, 4HP
Double motor for big model or heavy duty

**NC:**
Powerful drive, High efficiency
Low noise, Stable Performance
Ideal for heavy wall thickness & large size pipe
Electric requirement: 230V 1PH 50/60Hz;
380V 3PH 50/60Hz
Power: 2.0KW or 3.0KW
Double motor for big model or heavy duty

**Hydraulic:**
Powerful drive, High efficiency
Stable Performance, Low noise, Anti-explosion
Ideal for heavy wall thickness & large size pipe
Hydraulic requirement: 28-50L/min @13Mpa
Electric requirement: 380V 3PH 50/60Hz
Rated Pressure: 13MPa
Rated flow: 28L/min
Max. Torque: 380NM
# BEVELING SHAPE

![Beveling Shapes](image)

*other beveling shape, angle and pipe material, please declare before order

## TOOLING

**Form Style and Insert Style**

HSS, HSS Co, Carbide

Make more tooling on demand

### Form Style

<table>
<thead>
<tr>
<th>Material:</th>
<th>M42 and M35</th>
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<tbody>
<tr>
<td>Type:</td>
<td>Sever, bevel, double bevel, compound bevel, counterbore</td>
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<tr>
<td>Angle:</td>
<td>0°, 30°, 37.5°, Double 30°, 37.5°+10°</td>
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<tr>
<td>Size:</td>
<td>90mm, 150mm, 200mm</td>
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### Insert Style

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<th>Holder HSS</th>
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## TOOL SLIDE
More Practical, More Ways, More Solutions

<table>
<thead>
<tr>
<th><strong>Standard Tool Slide</strong></th>
<th><strong>OD Tacking Slide</strong></th>
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<tbody>
<tr>
<td>Used for conventional pipe</td>
<td>Solution for out-of-round pipe</td>
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<tr>
<td>Wall thickness of single point: 30mm</td>
<td>The max. wall thickness: 110mm</td>
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<tr>
<td>Wall thickness of multi point: 110mm</td>
<td>Radial travel: 110mm</td>
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<tr>
<td>Radial travel: 154mm</td>
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</tbody>
</table>

**Counterbore slide**

Used for pipe inside diameters.

- Radial travel: 110mm
- Axle travel: 100mm

**Surface turning slide**

Surface turning, removal anti-corrosion layer

- Radial travel: 110mm
- Axle travel: 200mm

**Drilling and Milling slide**

Solution for problem of stress damage to the tool

- Improve the cutting efficiency
- Improve the safety factor

**Bridge slide**

Single point heavy wall machining

- Flange facing
- Counterboring