

HEAVY DUTY SPLIT FRAME PIPE CUTTING AND BEVELING MACHINE

Range: 305mm-3050mm (12"-120")

OVERVIEW:

Heavy duty split frame pipe cutting and beveling machine, designed to cut, bevel, single point, counterbore and face on the Heavy wall pipe and flanges. Ideal for wide diameter range 12" in the one machine, and 8 models are available from 12" to 120". It is a portable pipe cutting and beveling machine tools of clamshell style. ability to split in half at the frame, easy to install on the pipe line. It is comprehensive used in pipework of oil, gas, petroleum, chemical, boiler, nuclear power, and power supply construction.



Features and Advantages

- 1、 Used for heavy wall pipe cutting and beveling, and flange facing
- 2、 8 models, Working range for pipe OD 12"-120".
- 3、 Ideal for wide diameter range 12" in the one machine.
- 4、 Out-mounted style, clamping by multipoint jaws.
- 5、 Split frame technology, easy to install on the pipeline.
- 6、 Cold cutting and beveling, don't influence the pipe's material.
- 7、 Auto feed, cutting and beveling at the one time, cost effective.
- 8、 Variety of beveling shape: "U", "V", "J", double "V", compound bevels.
- 9、 Electric, pneumatic, numerical controller and hydraulic drive options are available.
- 10、 Non-standard model can be customized.



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

MODELS AND CAPACITY

Model				Pipe Capacity		OD	Wall thickness	Rotating
Electric	Pneumatic	NC Electric	Hydraulic	mm	inch		mm	rpm
ISD-2412H	ISF-2412H	SKD-2412H	HYD-2412H	Φ305-610	12"-24"		≤110	14
ISD-3624H	ISF-3624H	SKD-3624H	HYD-3624H	Φ610-914	24"-36"		≤110	11
ISD-4836H	ISF-4836H	SKD-4836H	HYD-4836H	Φ914-1240	36"-48"		≤110	9
ISD-6048H	ISF-6048H	SKD-6048H	HYD-6048H	Φ1220-1524	48"-60"		≤110	5
ISD-7560H	ISF-7560H	SKD-7560H	HYD-7560H	Φ1524-1910	60"-75"		≤110	4
ISD-9075H	ISF-9075H	SKD-9075H	HYD-9075H	Φ1910-2290	75"-90"		≤110	4
ISD10590H	ISF-10590H	SKD-10590H	HYD-10590H	Φ2290-2680	90"-105"		≤110	3
ISD-120105H	ISF-120105H	SKD-120105H	HYD-120105H	Φ2680-3050	105"-120"		≤110	2

Above parameters just for reference only, not acceptance criteria

POWER SUPPLIES

<p>Electric:</p> <p>Convenient power supply</p> <p>Stable Performance</p> <p>Popular choice</p> <p>Electric requirement: 220-240V 1PH 50/60HZ</p> <p>Power: 1.7KW,2.4KW</p> <p>Double motor for big model or heavy duty</p>	<p>Pneumatic:</p> <p>Explosion Proof</p> <p>Stable Performance</p> <p>Easy to maintenance</p> <p>Air requirement:1500-3500L/min @0.63-0.8Mpa</p> <p>Power: 3HP,4HP</p> <p>Double motor for big model or heavy duty</p>
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NC Electric:

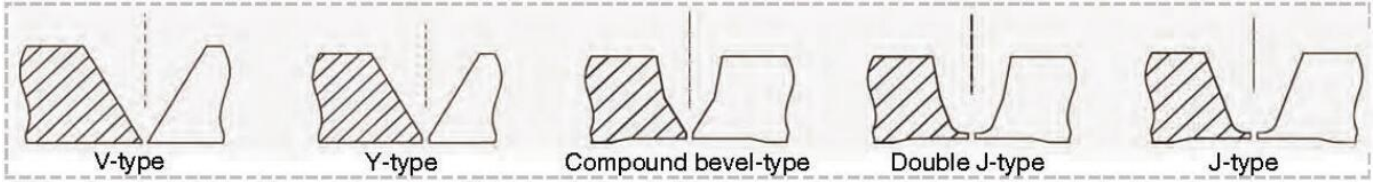
Powerful drive, High efficiency
 Low noise ,Stable Performance
 Ideal for heavy wall thickness & large size pipe
 Electric requirement: 230V 1PH 50/60Hz;
 380V 3PH 50/60Hz
 Power: 2.0KW or 3.0KW
 Double motor for big model or heavy duty

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



*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

Material: M42 and M35

Type: Sever, bevel, double bevel, compound bevel, counterbore

Angle: 0°, 30°, 37.5°, Double 30°, 37.5°+10°

Size: 150mm, 200mm

Insert style

Material: Holder HSS ;

Insert: HSS-Co or Carbide

Type: Sever, bevel, double bevel, compound bevel,

Angle: 0°, 30°, 37.5°, Double 30°, 37.5°+10°

Size: 150mm, 200mm



TOOL SLIDE

More Practical, More Ways, More Solutions

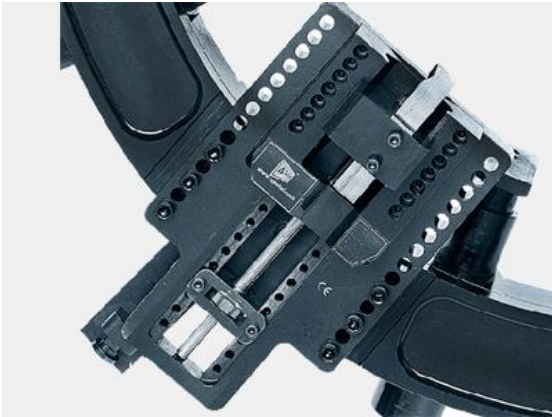
Heavy duty Tool Slide

Used for conventional pipe

Wall thickness of single point: 30mm

Wall thickness of multi point: 110mm

Radial travel: 305mm

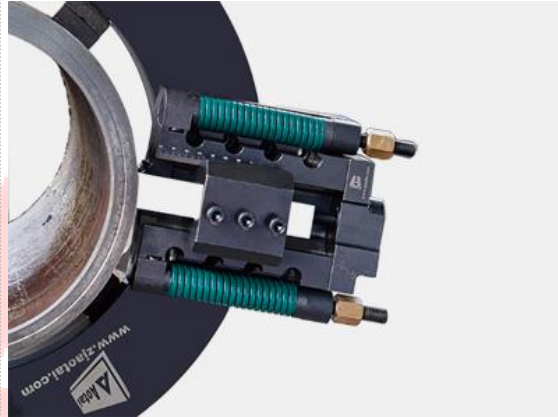


OD Tacking Slide

Solution for out-of-round pipe

The max. wall thickness: 110mm

Radial travel: 110mm



Counterbore slide

Used for pipe inside diameters.

Radial travel: 110mm

Axle travel: 100mm

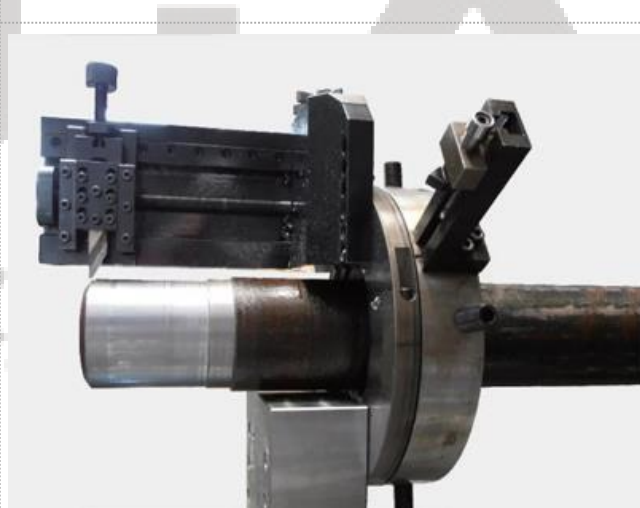


Surface turning slide

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

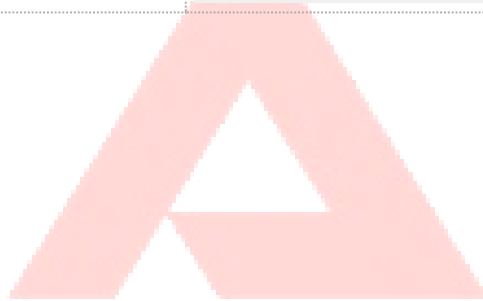
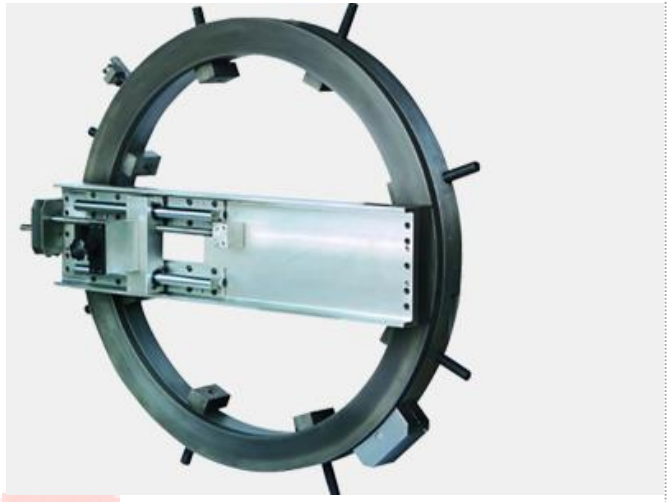
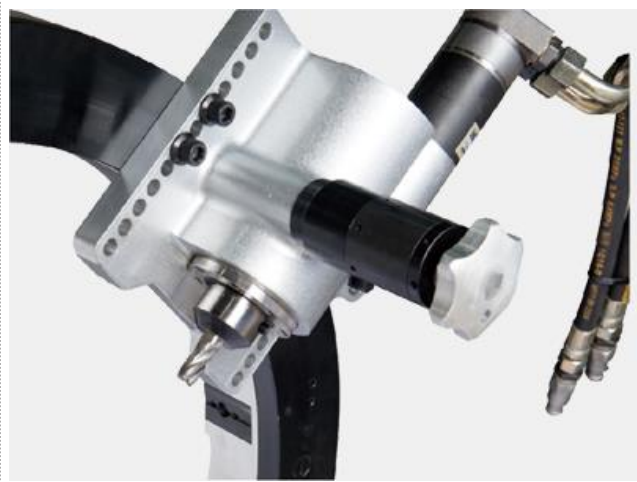
Improve the safety factor

Bridge slide

Single point heavy wall machining

Flange facing

Counterboring



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