

# MINI SPLIT FRAME PIPE CUTTING AND BEVELING MACHINE

## Overview

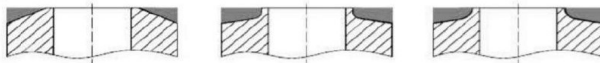
Mini split frame pipe cutting and bevelling machine used by pipefitters and welders in weld preparation for industrial pipe, smartly designed, ability to split in half at the frame, easy to install on the pipe line. This series product is the most small and compact split frame clamshell style, small size, avoid interference, especially suitable for tight places, such as exhaust pipe, elbow pipe racks, etc., mainly used in boiler, power generation, oil, gas and shipbuilding. Nine models are available in 0.5 or 1inch (25.4mm) increments, with additional sizes available by special order.



## Features

- Cutting, bevelling and counter boring
- Clever designed, small size, avoid interference.
- Aluminium body, light weight, one-handed operation.
- Out-mounted style, clamping by multipoint jaws.
- Split frame technology. Easy to install on the pipeline.
- Cold cutting and bevelling, don't influence the pipe's material.
- Auto feed, cutting and bevelling at the one time, cost effective.
- Variety of bevelling shape: "U", "V", "J".
- Non-Standard model can be customized.
- 9 models are available in pipe OD ½" – 6"
- Electric. Pneumatic drive options are available.

## Beveling Shape



V-type

J-type

U-type

Other bevelling shape, angle and pipe material please declare before order

## Specification

Model		Capacity OD		Wall Thickness in mm	Rotating RPM
ELECTRIC	PNEUMATIC	mm	Inch		
TEL-1	TPN-1	12.5 - 25.4	0.5" - 1"	< 15	34
TEL-1.5	TPN-1.5	25.4 - 38.1	1" - 1.5"	< 15	24
TEL-2	TPN-2	38.1 - 50.8	1.5" - 2"	< 15	23
TEL-2.5	TPN-2.5	50.8 - 63.5	2" - 2.5"	< 15	23
TEL-3	TPN-3	63.5 - 76.2	2.5" - 3"	< 15	23
TEL-3.5	TPN-3.5	76.2 - 88.9	3" - 3.5"	< 15	23
TEL-4	TPN-4	88.9 - 101.6	3.5" - 4"	< 15	20
TEL-5	TPN-5	101.6 - 127	4" - 5"	< 15	20
TEL-6	TPN-6	127 - 152.4	5" - 6"	< 15	14

Above parameters just for reference only, not acceptance criteria

### Tooling:

**Material:** HSS-Co M42 and HSS M35

**Type:** Sever, Bevel,

**Angle:** 0degree, 30degree, 37.5degree



### POWER SUPPLIES

#### Electric:

**Electric requirement:** 220V 1PH50/60HZ

**Power:** 1.43KW

Battery Motor Optional



#### Pneumatic:

**Air requirement:** 1500-2000/min@0.63-0.8Mpa

**Power:** 1.1HP or 2HP



# STANDARD SPLIT FRAME PIPE CUTTING AND BEVELING

## Overview:

Standard split frame pipe cutting and bevelling machine, designed to cut, bevel, single point, counter bore and face on the pipe, tube and flanges. It is a portable pipe cutting and bevelling 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 (152.4) increments, with additional sizes available by special order.



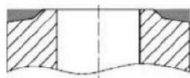
## Features

- 16 models , Working range for pipe OD1" – 48"
- Non-Standard model can be customized
- Out-mounted style, clamping by multipoint jaws
- Split frame technology , easy to install on the pipeline
- Cold cutting and bevelling , don't influence the pipe's material
- Auto feed, cutting and bevelling at one time cost effective
- Variety of bevelling shape: U,V,Y,J and compound bevels
- Stationary ting is steel: rotation ring is aluminium and steel optional
- Electric, pneumatic, NC and hydraulic drive optional
- Several different drive options are available to best position the motor for a specific machining application
- It can be equipped a wide range of accessories to increase performance and expand capabilities.

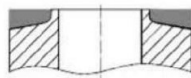
## Beveling Shape



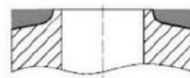
V-type



Compound bevel



J-type



U-type

Other bevelling shape, angle and pipe material please declare before order

## Specification

Model				Capacity OD		Wall Thickness in mm		Rotating
ELECTRIC	PNEUMATIC	NC ELECTRIC	HYDRAULIC	mm	Inch	Single	Multi	RPM
TEL-90	TPN-90	TNC-90	THYD-90	20 - 90	3/8" - 3"	< 30	NA	34
TEL-168	TPN-168	TNC-168	THYD-168	25 - 168	1" - 6"	< 30	50	24
TEL-219	TPN-219	TNC-219	THYD-219	50 - 219	2" - 8"	< 30	50	23
TEL-273	TPN-273	TNC-273	THYD-273	114 - 273	4" - 10"	< 30	75	23
TEL--323	TPN-323	TNC-323	THYD-323	168 - 323	6" - 12"	< 30	75	23
TEL-355	TPN-355	TNC-355	THYD-355	177 - 355	8" - 14"	< 30	75	23
TEL-406	TPN-406	TNC-406	THYD-406	254 - 406	10" - 16"	< 30	75	22
TEL-457	TPN-457	TNC-457	THYD-457	323 - 457	12" - 18"	< 30	75	20
TEL-508	TPN-508	TNC-508	THYD-508	355 - 508	14" -20"	< 30	110	20
TEL-559	TPN-559	TNC-559	THYD-559	406 - 559	16" - 22"	< 30	110	14
TEL-610	TPN-610	TNC-610	THYD-610	457 - 610	18" - 24"	< 30	110	14
TEL-762	TPN-762	TNC-762	THYD-762	610 - 762	24" - 30"	< 30	110	13
TEL-914	TPN-914	TNC-914	THYD-914	762 - 914	30" - 36"	< 30	110	11
TEL-1066	TPN-1066	TNC-1066	THYD-1066	914 - 1066	36" - 42"	< 30	110	10
TEL-1160	TPN-1160	TNC-1160	THYD-1160	980 - 1160	38" - 44"	< 30	110	9
TEL-1240	TPN-1240	TNC-1240	THYD-1240	1040 - 1240	40" - 48"	< 30	110	9

Above parameters just for reference only, not acceptance criteria

## Power Supplier

**Electric:** Convenient power supply, Stable Performance, Popular Choice

**Electric requirement:** 220V 1PH 50/60HZ

**Carbon brush Motor:** 1.4KW, 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:** 1500-3500L/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:** 220V 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 pipe

**Hydraulic requirement:** 28-50/min @13Mpa

**Electric requirement:** 380V 3PH 50/60Hz



## | Tooling

Option of form type and insert type tools Available for cutting all thickness

### 1. Form Type

**Material:** M42 or m35

**Kinds:** Cut off bevels, Double bevels, Compound bevels

**Angle:** 0", 30", 37.5", double 30" /37.5", 37.5" +10"



### 2. Insert Type

**Material:** Tool holder: 40Cr; insert CSS or Carbide

**Kinds:** Cut off bevels, Double bevels, Compound bevels

**Angle:** 0", 30", 37.5", double 30" /37.5", 37.5" +10"



## | Tool slide

More Practical, More Ways, More Solution



### 1. Standard Tool Slide

Used for conventional pipe

**Wall thickness of single point:** 30mm

**Wall thickness of multi point:** 110mm

**Radial travel:** 154mm



### 2. OD Tracking Slide

Solution for out or round pipe

**The Max. Wall thickness:** 110mm

**Radial travel:** 110mm



### 3. Drilling and Milling slide

Solution for problem of stress

Damage to the tool

Improve the cutting efficiency

Improve the safe factor

**Radial travel:** 154mm



### 4. Surface turning slide

Surface turning, removal anti-corrosion layer

**Radial travel:** 110mm

**Axis travel:** 200mm



### 5. Standard Tool Slide

Used for pipe inside diameters

**Radial travel:** 110mm

**Axis travel:** 100mm



### 6. Bridge slide

Single point heavy wall machining  
flange facing counter boring

# HEAVY DUTY SPLIT FRAME PIPE CUTTING AND BEVELING

## Overview:

Heavy Duty split frame pipe cutting and bevelling machine, designed to cut, bevel, single point, counter bore 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 bevelling machine tools of clamshell style. Ability to split in half at the frame, easy to install on the pipe line. It's is comprehensive used in pipework of oil gas, petroleum, chemical , boiler , nuclear power and power supply construction



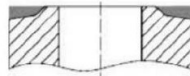
## Features

- Used for heavy wall pipe cutting and **bevelling**, and flange facing
- 8 models, working range for pipe OD 12"-120"
- Ideal for wide diameter range 12" in the one machine
- Out mounted style, clamping by multi joints jaws
- Split Frame Technology, easy to install on the pipeline
- Cold cutting and **bevelling**, don't influence the pipe material
- Auto feed, cutting and **bevelling** at the one time, cost effective
- Variety of **bevelling** shape : - "U" "V" "J", double, "V", compound bevels
- Electric, Pneumatic, Numerical controller and Hydraulic Drive Options are available.

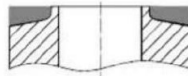
## Bevelling Shape



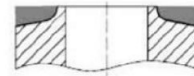
V-type



Compound bevel



J-type



U-type

Other bevelling shape, angle and pipe material please declare before order

## Specification

Model				Capacity OD		Wall Thickness in mm	Rotating
ELECTRIC	PNEUMATIC	NC ELECTRIC	HYDRAULIC	mm	Inch		RPM
HTEL-2412	HTPN-2412	HTNC-2412	HTHYD-2412	305 - 610	12" - 24"	< 110	14
HTEL-2436	HTPN-2436	HTNC-2436	HTHYD-2436	610 - 914	24" - 36"	< 110	11
HTEL-3648	HTPN-3648	HTNC-3648	HTHYD-3648	914 - 1240	36" - 48"	< 110	9
HTEL-6048	HTPN-6048	HTNC-6048	HTHYD-6048	1220 - 1524	48" - 60"	< 110	5
HTEL-7560	HTPN-7560	HTNC-7560	HTHYD-7560	1524 - 1910	60" - 75"	< 110	4
HTEL-9075	HTPN-9075	HTNC-9075	HTHYD-9075	1910 - 2290	75" - 90"	< 110	4
HTEL-10590	HTPN-10590	HTNC-10590	HTHYD-10590	2290 - 2680	90" - 105"	< 110	3
HTEL-120105	HTPN-120105	HTNC-120105	HTHYD-120105	2680 - 3050	105" - 120"	< 110	2

Above parameters just for reference only, not acceptance criteria

### Power Supplier

**Electric:** Convenient power supply, Stable Performance, Popular Choice

**Electric requirement:** 220V 1PH 50/60HZ

**Power:** 1.7 Kw, 2.4 KW

Double motor for big model or heavy duty

**Pneumatic:** Explosion Proof, Stable Performance, Easy to maintenance

**Air requirement:** 1500-3500L/MIN @0.63-0.8Mpa

**Power:** 3HP, 4HP

Double motor for big model or heavy duty

**NC Electric:** Powerful drive, High efficiency Low noise, Stable Performance for heavy duty

**Electric requirement:** 230 V, 1 PH 50/60Hz 380 V 3 PH 50/60 Hz.

**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 pipe

**Hydraulic requirement:** 28-50/min @13Mpa

**Electric requirement:** 380V 3PH 50/60Hz





## | Tooling

Options of form type and insert type tools available for cutting all thickness and material of pipe and bevelling at any required angle.

### 1. Form Type

**Material:** M42 or m35

**Kinds:** Cut off bevels, Double bevels, Compound bevels

**Angle:** 0", 30", 37.5", double 30" /37.5", 37.5" +10"



### 2. Insert Type

**Material:** Tool holder, 40Cr; insert CSS or Carbide

**Kinds:** Cut off bevels, Double bevels, Compound bevels

**Angle:** 0", 30", 37.5", double 30" /37.5", 37.5" +10"



## | Tool slide

More Practical, More Ways, More Solution



### 1. Heavy Duty Tool Slide

Used for conventional pipe

**Wall thickness of single point:** 30mm

**Wall thickness of multi point:** 110mm

**Radial travel:** 305 mm



### 2. OD Tracking Slide

Solution for out or round pipe

**The Max. Wall thickness:** 110mm

**Radial travel:** 110mm



### 3. Drilling and Milling slide

Solution for problem of stress

Damage to the tool

Improve the cutting efficiency

Improve the safe factor



### 4. Surface turning slide

Surface turning, removal anti-corrosion layer

**Radial travel:** 110mm **Axis travel:** 200mm



### 5. Standard Tool Slide

Used for pipe inside diameters

**Radial travel:** 110mm

**Axis travel:** 100mm



### 6. Bridge slide

Single point heavy wall machining  
flange facing counter boring

