

ThinkPipe® pipe cutting machine is the sole portable numerical control (NC) pipe cutting machine which can do elbow section cutting and intersectional cutting relying on its own control system and sensing system. It has many patent technologies.

- Portable light and compact
- Easy of operation
- Up to 3m-diameter pipe for cutting



Applicability

It is a substitute goods for large NC pipe cutting equipments in natural gas pipeline, oil pipeline, city gas pipeline, large diameter water pipe, chemical pipe, tubular vessels for elbow section cutting or intersectional cutting.

It can be equipped with flame torch or plasma torch.

It can cut spiral seam pipes and coated pipes, even pipes out of round.

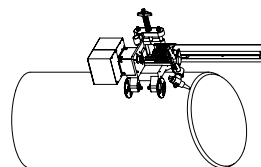
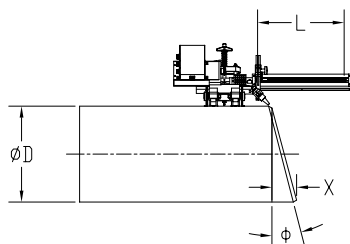


Equipment Lectotyp

R	40	A	- X
Function Code	Horizontal adjustment (L)	Cutting method	Scope of outside diameter of pipe (D)
R: Elbow section cutting	20: 200mm	A: Oxy/fuel (default)	A: 320mm-400mm J: 1040mm-1160mm
T: Intersectional cutting	40: 400mm	P: plasma	B: 400mm-495mm K: 1120mm-1250mm
	60: 600mm		C: 495mm-550mm L: 1219mm-1310mm
X: Elbow section cutting intersection cutting	80: 800mm		D: 550mm-680mm M: 1270mm-1480mm
	100: 1000mm*		E: 630mm-770mm N: 1410mm-1500mm
	120: 1200mm*		F: 730mm-830mm O: 1450mm-1595mm
	* Custom made		G: 810mm-915mm P: 1520mm-1675mm
			H: 915mm-1020mm V: 320mm-1480mm
			I: 1000mm-1100mm X: 320mm-3000mm

Examples:

1. R40A-A machine can do elbow section cutting around the pipe of 320mm to 400mm outside diameter with horizontal adjustment of 400mm. It includes a set of Oxy/fuel single torch.
2. X60A-BCD can do both elbow section cutting and intersectional cutting. And the largest horizontal adjustment is 600 mm. It includes a set of Oxy/fuel single torch. The OD rangement of pipe is from 400mm to 680mm.



1. Choose function

2. Choose single axis robot arm(L)



3. Choose flame cutting or plasma cutting



Flame cutting



Plasma cutting

4. Determine the out diameter scope of pipes(D)

Basical parameters of main machine

Item	Parameters
Power supply	AC 220V/50Hz
Power rating	300W
Out diameter of pipe	320mm-3000mm**
Horizontal adjustment	0mm-800mm
Cutting speed	0-800mm/min
Cutting accuracy	1mm
Surface finish	12.5μm
Weight	22kg-35kg
Size	507mm×460mm×(800mm-1450mm)
Standard length of control wire	8m

**Smaller pipe can be cut as below.

