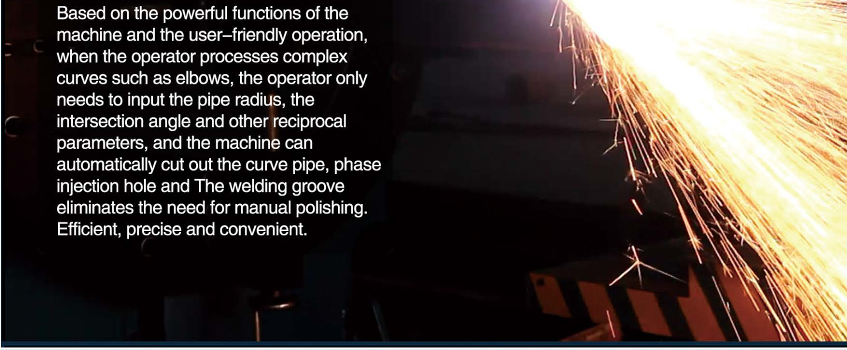
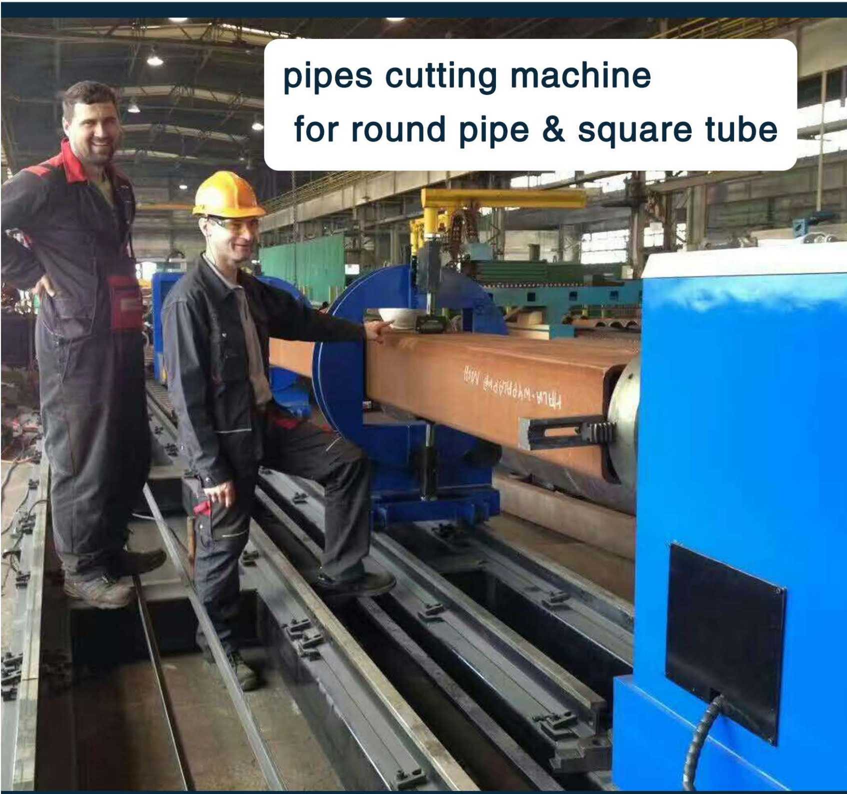
Pipe profiling expert

KR–XF8 CNC pipe cutting machine is a multi–functional steel pipe joint automatic calculation and cutting equipment. Can be widely used in shipbuilding, steel structure, petrochemical, heat exchangers, pressure vessels, metal processing, metallurgy and other industries.

Support a variety of programming methods such as library and software to meet the needs of operators of different technical levels.



Based on the powerful functions of the machine and the user–friendly operation, when the operator processes complex curves such as elbows, the operator only needs to input the pipe radius, the intersection angle and other reciprocal parameters, and the machine can automatically cut out the curve pipe, phase injection hole and The welding groove eliminates the need for manual polishing. Efficient, precise and convenient.



pipes cutting machine for round pipe & square tube

Operating platform

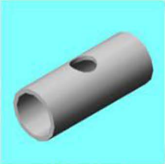
Advanced and efficient operating systems&software

High precision 3-jaw chuck for pipe rotation

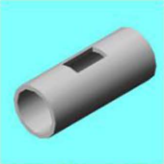
Support for square tube

Cutting arm

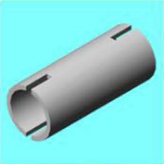
Plasma or oxyfuel cutting to cut your pipe



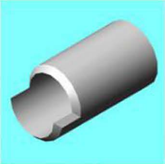
Joint hole cuts



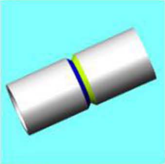
Rectangular hole cuts



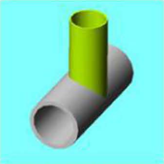
Slot joints



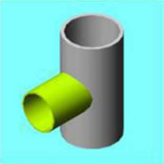
Crank joints



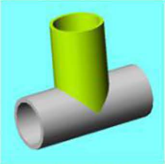
Staight end cuts



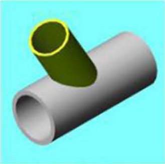
Off-center joints

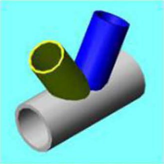


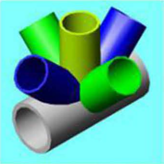
T-joint cuts

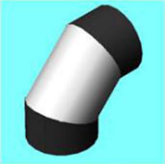


V-shape edge

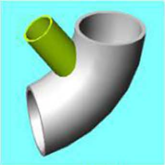


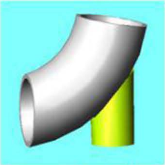


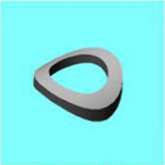


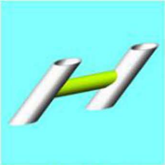


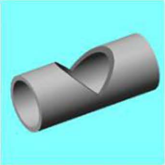
Slant joint cuts Double joints Multiple joint cuts Miter end cuts

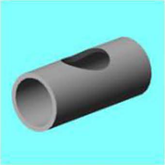

Camber joints

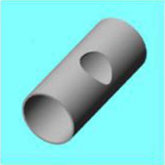

Elbow pipe joints

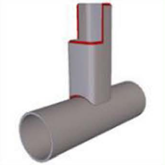

Pad hole cuts

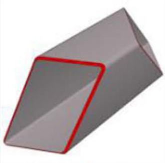

Both end cuts

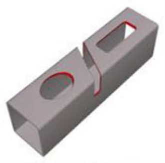

V-shape hole


Joint hole


Off-center hole


SHS / RHS edge


SHS / RHS miter


SHS / RHS hole

Technical parameters

No.	Item	Parameters
1	Round pipe diameter	50~630mm 60~800mm
2	Hollow section (square tube)	50–400mm
2	Cutting length	6000mm 9000mm 12000mm
3	Cutting mode	Plasma and flame(oxy–fuel)
4	Control system	Advantech IPC with Kasry PIP
5	Programming Software	Curve library, Tekla, AuotoCAD

6	Driving system	Japan Panasonic Servo Motor
7	Cutting speed	10 ~ 2000mm/min
8	Travelling speed	10 ~ 6000 mm/min
9	The axial swing Angle of the cutting torch	$\alpha = \pm 60^\circ$
10	The Radial swing Angle of cutting torch	$\beta = \pm 55^\circ$
11	Cutting length accuracy	± 1.5mm
12	Oblique crossing angel	15° — 170°
13	Angle error	± 1°
14	Bevel angle	plasma cutting ≦ ± 45° flame cutting ≦ ± 60°
15	Standard for execution of cutting precision	ISO9013–2002 ISO8206–1991 and JB/T10045.4–1999JB

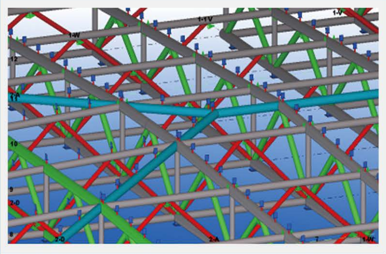
FEATURES OF THE MACHINE

- Professional pipe optimization CNC system
- With preheating function(optional)
- Support AutoCAD version of engineering center line model design
- Support Tekla 3D modeling
- Support pipe piece separation \ pipe fitting optimization \ node expansion \ left and right displacement etc
- Good human-computer interaction, the English interface is simple, the equipment structure is advanced and reliable, suitable for long - term continuous processing, the operation control is stable and reliable.

SOFTWARE ADVANTAGES IN DETAIL

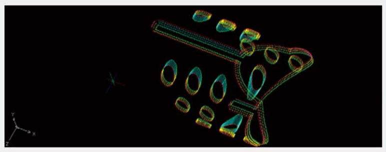
1.Support TEKLA professional design software three-dimensional pipe entity seamless docking

- Automatic named processing code by number
- Automatic optimization of tekla rough trajectory curve
- Batch select Batch output
- End face, hole, groove can be set separately and one-time output
- One key generates processing code
- Batch generate automatic number
- Hierarchical display of multiple trajectories curve



Support end, open hole, grooving bevel cutting

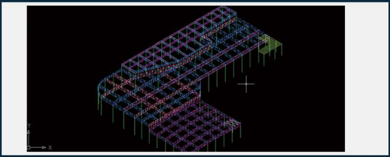
- Fixed angle and Variable angle beveling
- AWS Fixed bevelingreliable.



Support TEKL modeling and 3D3S three-dimensional entity programming

TEKLA

Support for the secondary development of wincoo AUTOPIPE application on AutoCAD platform



Using AutoCAD ® leading position in the field of construction and its powerful graphics functions, integrated wincoo AUTOPIPE pipe cutting machine software function, to generate standard G code, with eight axes linkage wincoo CNC pipe cutting system connection, alien realize arbitrary overlapping cutting type, support a variety of modeling, support circular tube straight cutting function. through the center line, easy to establish circular tube artifacts such as lap space grid structure.

DO THE MACHINE RIGHT
GET THE WORLDS SIGHT

highy accurate
& versatile

user site

user site