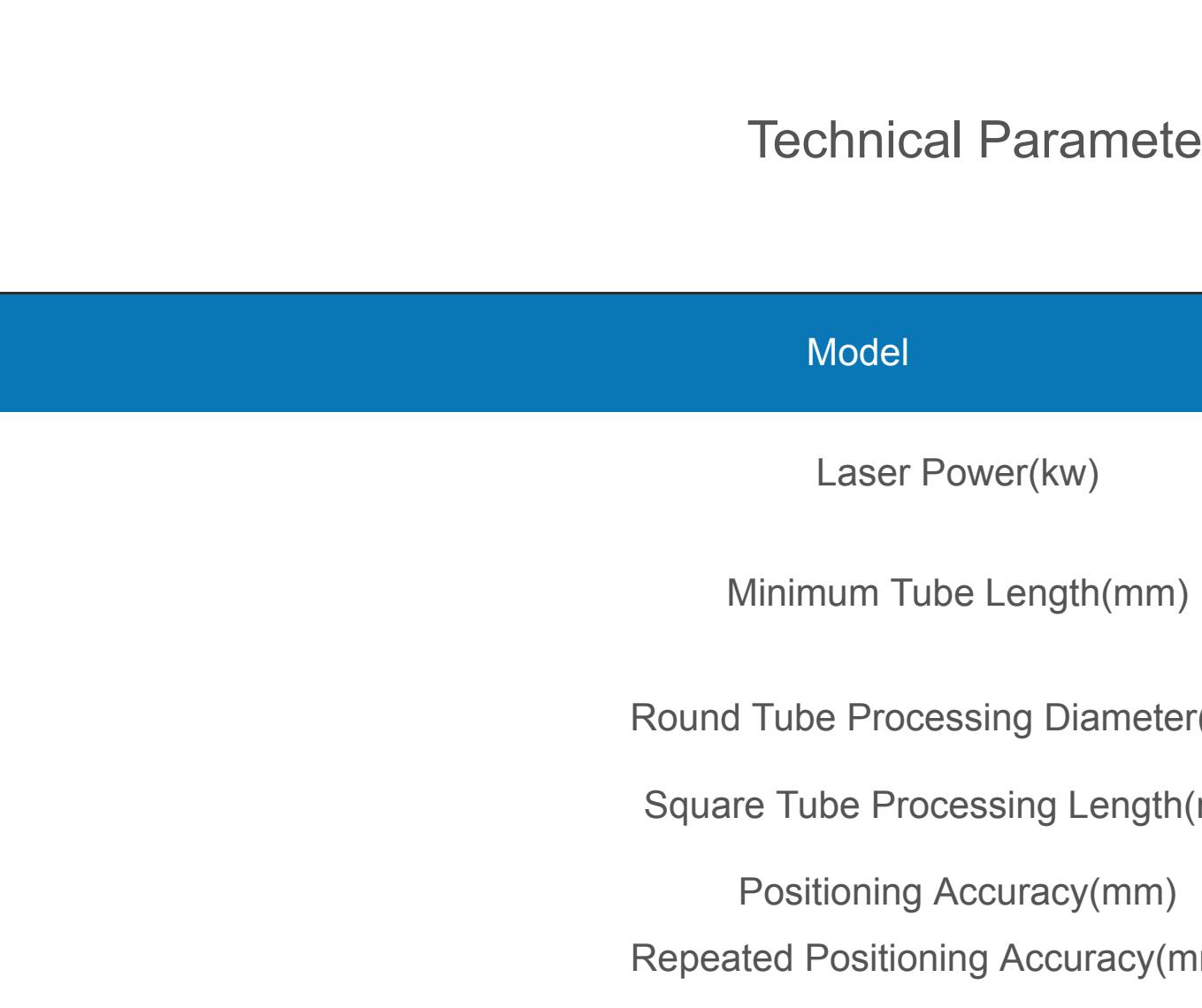
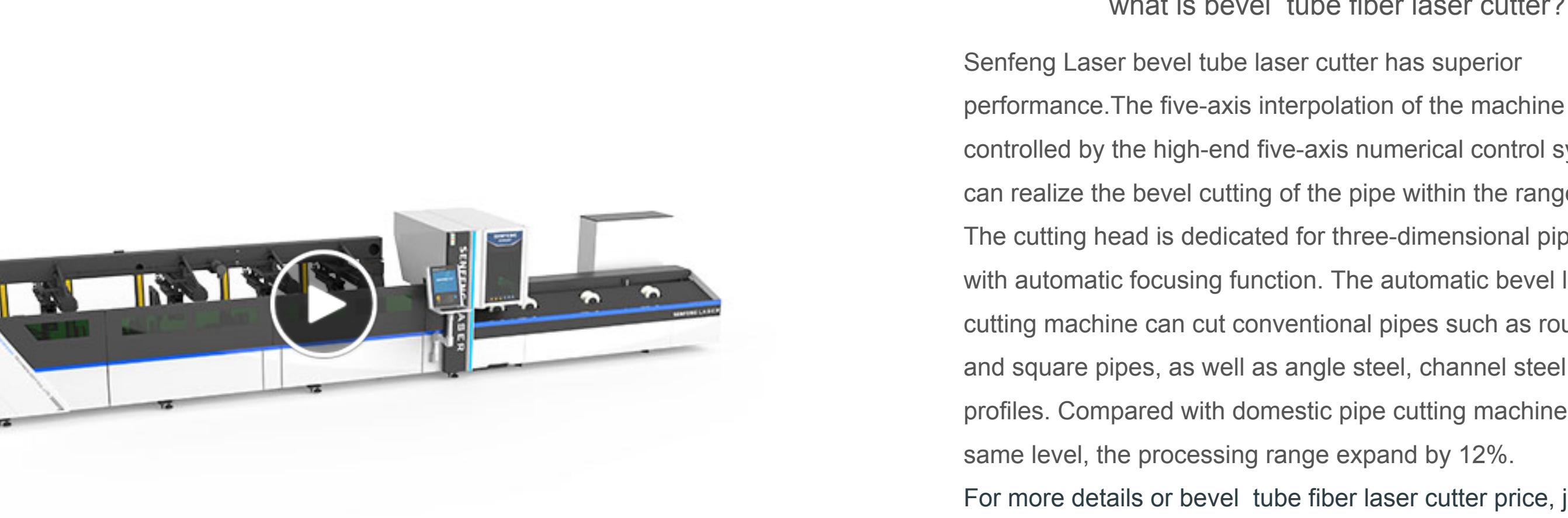


## BEVEL TUBE LASER CUTTING MACHINE

CAN CUT UP TO 45° BEVEL ANGLE  
WIDE PROCESSING RANGE, CUTTING A VARIETY OF PIPES

SF6020GT →



what is bevel tube fiber laser cutter?

Senfeng Laser bevel tube laser cutter has superior performance. The five-axis interpolation of the machine tool is controlled by the high-end five-axis numerical control system, which can realize the bevel cutting of the pipe within the range of ±45°. The cutting head is dedicated for three-dimensional pipe cutting with automatic focusing function. The automatic bevel laser pipe cutting machine can cut conventional pipes such as round pipes and square pipes, as well as angle steel, channel steel and other profiles. Compared with domestic pipe cutting machines of the same level, the processing range expand by 12%.

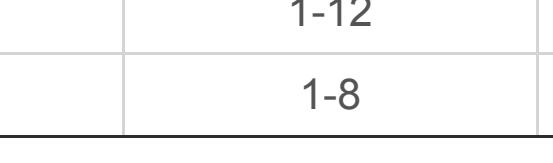
For more details or bevel tube fiber laser cutter price, just send e-mail to us. ↗

Bevel Metal Tube Fiber Laser Cutting Machine

CATALOGUE



INQUIRY



### Technical Parameters of bevel fiber laser tube cutter

Model	SF6020GT
Laser Power(kw)	1/1.5/2/3/4/6
Minimum Tube Length(mm)	1500-6000
Round Tube Processing Diameter(mm)	φ15-220
Square Tube Processing Length(mm)	15*15-150*150
Positioning Accuracy(mm)	±0.05
Repeated Positioning Accuracy(mm/m)	±0.02
Angle of processing bevel	±45°
Maximum acceleration(G)	0.8
Maximum speed of chuck(r/min)	100
Maximum single tube weight(kg)	150

what is the thickness can a bevel tube laser cutting machine cut ?

Materials	1KW	1.5KW	2KW	3KW	4KW	6KW
Carbon steel (mm)	1-10	1-10	1-10	1-16	1-18	1-18
Stainless steel (mm)	1-5	1-6	1-6	1-8	1-12	1-12
Aluminum (mm)	----	----	1-4	1-6	1-8	1-8

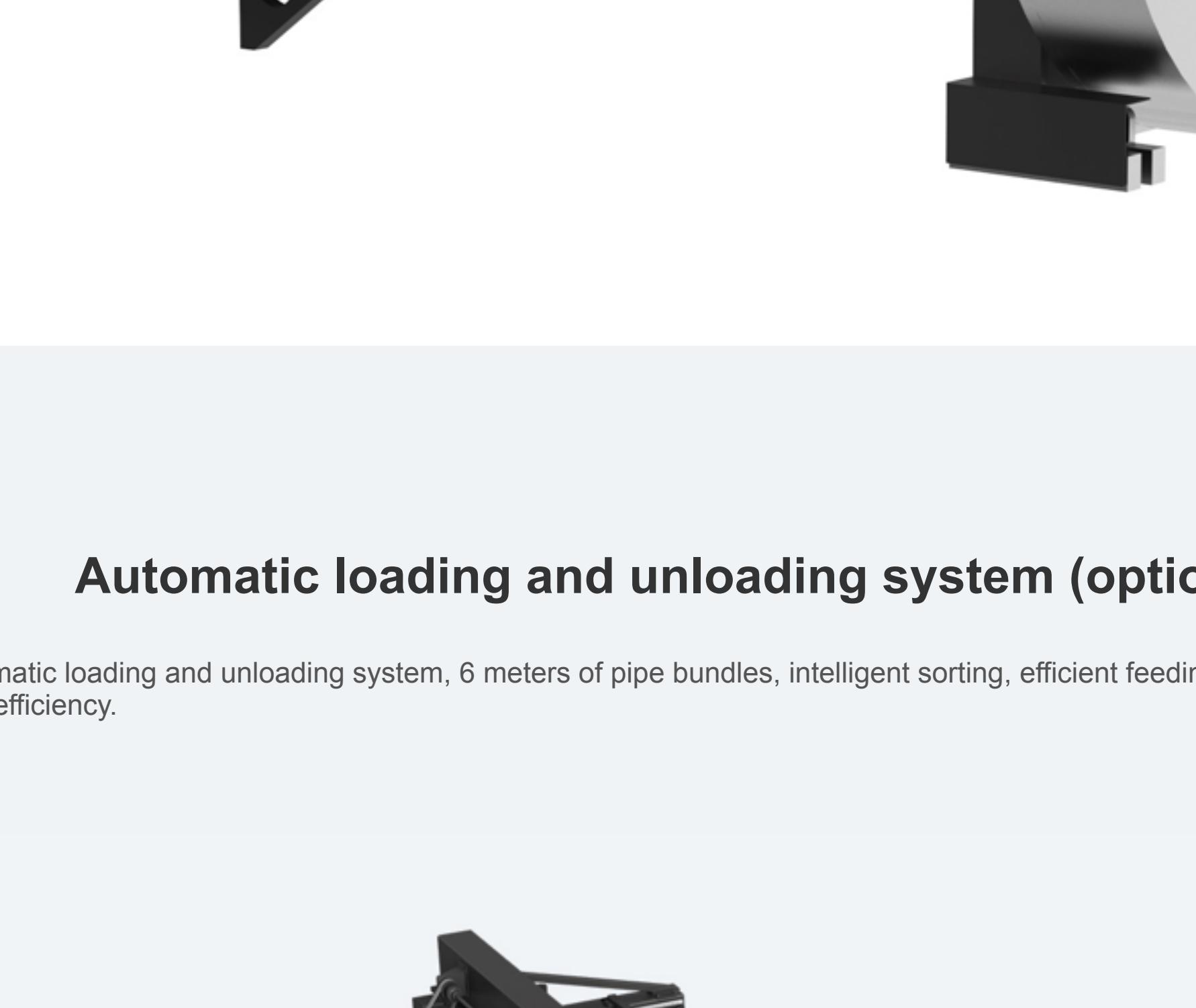
What are the advantages of bevel tube laser cutting machine?

- 1 One-time molding, improve efficiency  
Bevel tube laser cutting machine can complete v, x, y and other bevels at one time. The bevel processing that need to be completed by traditional cutting, milling and other multiple processes can now be completed at one time, greatly improving efficiency, ensuring quality, and saving resources.
- 2 Zero clearance welding, reduces cost  
Bevel tube laser cutting machine can realize zero-clearance welding. In the subsequent splicing process, there is no need to process again, which reduces the process and greatly reduces the cost of manpower and material resources.
- 3 ±45° flexible cutting  
Bevel tube laser cutter has a 45° angle of swing cutting head, which has superior performance and can realize bevel cutting of the workpiece in the range of 0°-45°. The cutting head is dedicated for 3D cutting and has an automatic focusing function. During bevel cutting, it can automatically adjust the focus position according to the thickness and angle of the cutting material to meet the cutting process requirements.

### Main features of senfeng fiber laser tube bevel cutting machine

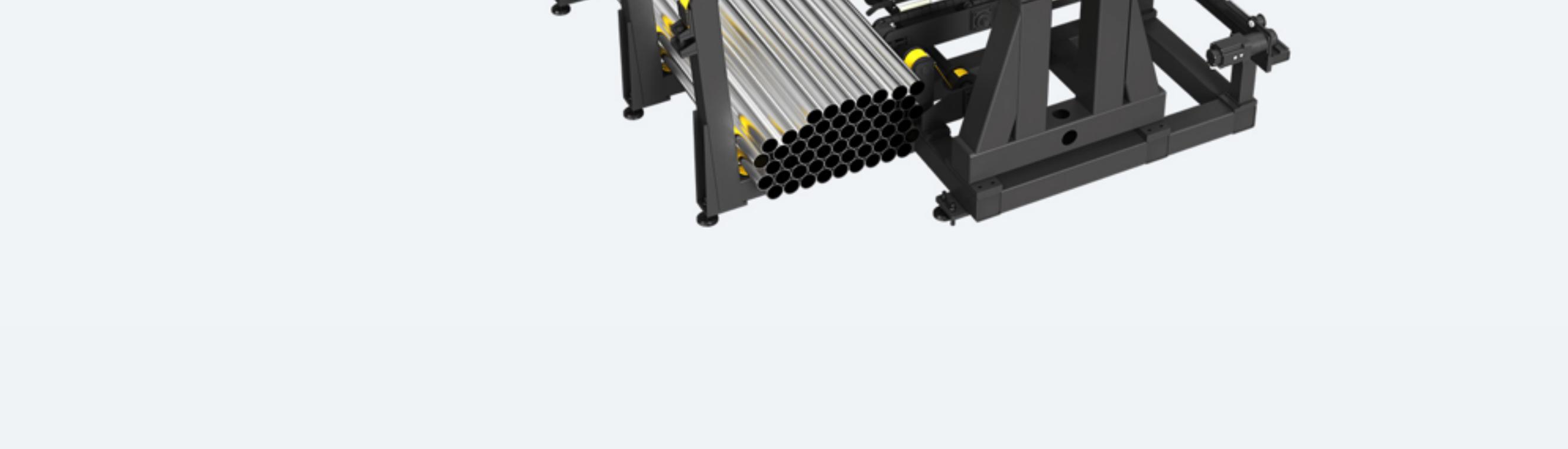
#### ±45° bevel cutting

Break through the conventional 0° cutting, can realize the maximum angle of 45° oblique cutting, solve the difficulty in processing special-shaped pipes, and realize seamless splicing of pipes.



#### Wide processing range, can cut a variety of tubes

It can process a wide range of tube sizes: round tube diameter φ15mm-φ220mm, square tube side length 15\*15-150\*150mm; With a 3D laser head, it can easily cut H steel, angle steel, channel steel and other profiles, as well as drop-shaped and concave shaped tubes.



#### Intelligent clamping system

Intelligent clamping system, small inertia, fast clamping speed, great dynamic performance, improve material utilization ratio.



#### Automatic loading and unloading system (optional)

It can be equipped with automatic loading and unloading system, 6 meters of pipe bundles, intelligent sorting, efficient feeding, high degree of automation, saving labor cost and improving working efficiency.



#### Application Industry of Bevel Tube Fiber Laser Cutting Machine

By adopting the bevel cutting process, the cutting section of the workpiece is smooth and flat, and can be seamlessly connected to each other, which greatly meets the needs of pipe bevel welding. Senfeng automatic bevel laser pipe cutting machine can cut conventional pipes such as round pipes, square pipes, angle steel, channel steel and other profiles. It is widely used in various machinery manufacturing and processing industries such as engineering machinery, fitness equipment, sports goods, passenger car manufacturing, locomotive manufacturing, agricultural and forestry machinery, and laser external processing.



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