

Application: tube cutting

T Series

- ✓ High cutting precision, the precision can reach $\pm 0.05\text{mm}$
- ✓ High cutting efficiency, multiple process in one step, can achieve mass production
- ✓ Good flexibility, using professional CNC system and kitting programming software, can cut round pipes, square pipes, rectangular pipes, and elliptical pipes, and can also effectively process channel steel, angle steel, I-beam, H-beam and other profiles



Model	SF6016T	SF6020T(2022)	SF6020T(2020)	SF6024GT	SF9035NT	SF12056HT
Cutting capacity of round tube (mm)	$\phi 10-\phi 160$	$\phi 10-\phi 220$	$\phi 10-\phi 220$	$\phi 15-\phi 230$	$\phi 20-\phi 350$	$\phi 50-\phi 560$
Cutting capacity of square tube (mm)	10*10-110*110	10*10-150*150	10*10-150*150	10*10-230*230	20*20-350*350	50*50-395*395
Cutting capacity of rectangular tube(mm)	Diagonal ≤ 160	Diagonal ≤ 220	Diagonal ≤ 220	Diagonal ≤ 230	Diagonal ≤ 350	Diagonal ≤ 560
Tube length (mm)	6000	6000	6000	6000	9000	12000
Machine load (kg)	120	150	250	150	700	1500
Number of chucks	2	2	2	2	3	4
Laser power (kw)	1.5/2/3	1.5/2/3/4/6	1.5/2/3/4/6	3/4/6	1.5/3/4/6	6/8/12
Max acceleration (G)	1.2	1	0.8	0.8	0.6	0.4
Max rotational speed (r/min)	140	100	100	100	75	40
Max speed (m/min)	100	100	80	75	80	40
Positioning accuracy (mm)	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	$\pm 0.1/10000\text{mm}$
Repeated positioning accuracy (mm)	± 0.02	± 0.02	± 0.02	± 0.02	± 0.03	± 0.05
Unloading	Optional, 3m standard	Optional, 3m standard	Optional, 4m standard	Optional, 3m standard	Optional, 3m standard	Standard
Loading	Optional (semi-automatic)	Optional (semi-automatic and automatic)	Optional (automatic)	Optional (automatic)	Optional (automatic)	Optional (semi-automatic)
Beveling	No	No	No	Yes	Yes	Optional