KAAST

T Series

230 | 360

Fiber Laser Tube Cutting

The T series laser is equipped with a **pneumatic chuck** that uses a precision screw drive to simultaneously control position and torque, ensuring accurate clamping without causing deformation. The specialized **Genius T laser head** features a tapered nozzle design that minimizes interference during complex cuts. A **variable diameter roller** stabilizes tubes by effectively preventing side-to-side movement, while four-side edge searching enhances cutting precision and overall stability. The system also includes contour recognition using **photoelectric positioning in just 0.8 seconds**, along with an **auto-focus laser head** for optimal cutting performance. For added efficiency, **fully automatic loading and unloading** options are available.

STANDARD CONFIGURATION

- 21.5” Touchscreen Control
- Fully Enclosed Cutting Envelope
- Autofocus Genius T Laser Head
- High Speed Cutting Database
- Automatic Support Roller
- Diameter Adjustment
- Edge-Seeking, Center-Finding
- Automatic Tube Inspection
- 360 Anti-Collision Laser System
- Wireless Hand-Held Remote
- Anti-Slag Protection
- Jaw Position Control
- Tube Nesting Software
- Open Door Protection
- Water Chiller
- Automatic Lubrication
- Intelligent Alarm

T		230	360
		Ø9”	Ø14”
Max Workable Tube Length	mm	6500 or 9200 (21’ or 30’)	
Laser Power	kW	1 ~ 60	
X/Y-Axis Positioning Accuracy	mm	0.05 (0.002”)	
X-Y-Axis Repositioning Accuracy	mm	0.03 (0.001”)	
Max Acceleration	G	1.5	1
Max Pipe Diameter	mm	≤230 (≤9”)	≤360 (≤14”)
Round Tube	mm	20-230 (0.78-9”)	20-360 (0.78-14”)
Square Tube	mm	20x20 - 160x160 (0.78x0.78-6.25x6.25”)	20x20 - 254x254 (0.78x0.78-10x10”)
Rectangular Tube Side Length	mm	20-170 (0.78-6.7”)	20-300 (0.78-11.8”)
Max Pipe Weight	kg	200 (440 lbs)	400 (880 lbs)
Remnant	mm	198 (7.8”)	
Chuck Max	rpm	120	100
X-Axis Max Speed	m/min	140 (459’/min)	100 (328’/min)
Y-Axis Max Speed	m/min	100 (328’/min)	95 (312’/min)
Z-Axis Max Speed	m/min	60 (197’/min)	
Wall Thickness	mm	0.5-10 (0.02-0.4”)	
Chuck		Pnuematic	
Laser Head		Genius Laser Head	
Control System		Thinker 3.0	
Item No.		2002023	2002024

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.