KAAST

C Series

3 | 4 | 6 | 8 | 12

Economical Fiber Laser Sheet Cutting

STANDARD CONFIGURATION

- 21.5” Display
- Genius Laser Head
- Max / IPG Laser Source
- Mortise and Tenon Type Construction
- Welded Segmented Bed
- Stretched Aluminum Gantry
- Protective Enclosure
- Enhanced Dust Removal
- Intelligent Alarm
- Water Chiller

The C Series cutting system features a modular construction with a **compact, fully enclosed footprint** designed for maximum functionality and efficiency. It supports the cutting of various metallic materials, including steel alloys, carbon steels, titanium, and bronze. With **one-click processing** and a **21.5” touchscreen interface**, it offers user-friendly operation enhanced by a high-speed cutting expert database. The system includes an **ergonomic wireless remote control**, an active **anti-collision function** for safety, and intelligent maintenance reminders for improved reliability. Its **stretched aluminum crossbeam** increases rigidity by 60%, reduces weight by 20%, and boosts cutting speed by 50%. Additionally, the **welded bed structure**, built with traditional ten-on-and-mortise joints, ensures superior strength and durability.

C			3	4	6	8	12
			5’ x 10’	6’ x 12’	6’ x 20’	8’ x 26’	8’ x 40’
Working Area		mm	1524x3048 (5’x10’)	2000x4000 (6’x12’)	2500x6100 (6’x20’)	2500x8000 (8’x26’)	2600x12500 (8’x40’)
Laser Power		kW	1 ~ 60				
Machine Bed			Welded				
Positioning Accuracy		mm	0.05 (0.002”)				
Repeatability		mm	0.03 (0.001”)				
Indexing Speed		m/min	180 (590’/min)				
Max Acceleration		G	2.5				
Z-Axis Travel		mm	370 (14.6”)	300 (11.8”)			400 (15.7”)
Table Load Capacity	1-4kW	kg	900 (1,980 lbs)	1600 (3,250 lbs)	3550 (7,810 lbs)	4750 (10,450 lbs)	7100 (15,620 lbs)
	≥6kW	kg	1500 (3,300 lbs)	2500 (5,500 lbs)	4700 (10,340 lbs)	6300 (13,860 lbs)	9500 (20,900 lbs)
Shuttle Table Exchange		s	10	16	30	60	80
Laser Head			Genius Laser Head				
Control System			Cutting 2.0 | Thinker 3.0				
Servo Drive			Schneider				
Dimensions (L/W/H)		mm	9100x2225x2055 (358x88x81”)	11084x2995x2055 (436x118x81”)	15100x3700x2155 (594x146x85”)	19300x3875x2440 (760x153x96”)	28735x4050x2670 (1131x160x105”)
Weight		kg	4500 (9,900 lbs)	6000 (13,200 lbs)	13,000 (28,600 lbs)	21000 (46,200 lbs)	36000 (79,200 lbs)
Item No.			2002018	2002019	2002020	2002021	2002022

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