KAAST

P Series

3015 | 4020 | 6020 | 8025

High-Performance Fiber Laser Automation Cutting

The P Series is designed with an all-around **protective housing** to safeguard operators from smoke, dust, and radiation during operation. It features **automatic focal position adjustment** based on the cutting process and sheet thickness, ensuring precision and convenience. Efficiency is enhanced by **fast exchange tables** and an **automatic nozzle changing system** that completes swaps within just 35 seconds. Additional capabilities include an **automatic lens cleaning function** and high-speed oxygen cutting ability. The laser machine's integral **pressure-cast aluminum crossbeam** offers a lightweight yet rigid structure, contributing to both stability and performance.

STANDARD CONFIGURATION

- 21.5" Touchscreen Control
- Fully Enclosed Cutting Envelope
- Autofocus Laser Head
- Automatic Nozzle Changer
- Active Anti-Collision 360° Radar
- Wireless Hand-Held Remote
- Shuttle Tables
- Water Chiller
- Cast Aluminum Crossbeam
- Auxiliary Gas Low Pressure Alarm

P			3015	4020	6020	8025
			5' x 10'	6' x 12'	8' x 21'	8' x 26'
Sheet Cutting Size		mm	1500x3000 (5'x10')	2000x4000 (6'x12')	2500x6500 (8'x21')	2500x8100 (8'x26')
Laser Power		kW	1 ~ 60			
Machine Bed			Steel			
Positioning Accuracy		mm	0.05 (0.002")			
Repeatability		mm	0.02 (0.0008")	0.03 (0.001")		
Indexing Speed		m/min	200 (656'/min)			
Max Acceleration		G	4		2.8	
Z-Axis Travel		mm	315 (12.4")			
Table Load Capacity	1-4kW	kg	1050 (2310 lbs)	1800 (3960 lbs)	2800 (6160 lbs)	4750 (10,450 lbs)
	≥6kW	kg	1400 (3080 lbs)	2500 (5500 lbs)	3800 (8360 lbs)	6300 (13,860 lbs)
Shuttle Table Exchange		s	10	16	30	60
Auto Nozzle Changer			8			
Laser Head			KAAST Laser Head			
Control System			PC			
Servo Drive			Yaskawa			
Dimensions (L/W/H)		mm	9450x2240x2500 (372x88x98")	11600x3380x2700 (457x133x106")	16900x3870x2500 (665x152x98")	20000x3870x2630 (787x152x103")
Weight		kg	5040 (11,120 lbs)	9090 (20,040 lbs)	15000 (33,070 lbs)	19400 (42,770 lbs)
Item No.			2002014	2002015	2002016	2002017

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