

Optional Items



		Piolas 280	Piolas 400	Piolas 400SE
Work Area	without CCD	710 x 510 mm (27.9 x 20 in.)	1,016 x 610 mm (40 x 24 in.)	
	with CCD			
Max. Part Size (W x L x H)		790 x 579 x 210 mm (31.1 x 22.8 x 8.3 in.)	1,091 x 680 x 280 mm (43 x 26.8 x 11 in.)	
Max. Part Size (W x L x H) (with pass-through door module)		671 x ∞ x 135 mm (26.4 x ∞ x 5.3 in.)	1,064 x ∞ x 165 mm (41.9 x ∞ x 6.5 in.)	
Standard Working Table		CO ₂ : Alu Grid Cutting Table with leveling adjustment	CO ₂ : Alu Grid Cutting Table with leveling adjustment	CO ₂ : Alu Grid Cutting Table w/o leveling adjustment Fiber & Dual : Engraving Table
Working Table Size		719 x 514 mm (28.3 x 20.2 in.)	1,021 x 614 mm (40.2 x 24.2 in.)	
Dimensions (L x W x H)		1212 x 936 x 1123 mm (47.7 x 36.9 x 44.2 in.)	1,511 x 1,107 x 1,123 mm (59.5 x 43.6 x 44.2 in.)	
Weight		341 kg / 752 lb	392 kg / 864 lb	
Laser Source	CO ₂	60W ~ 120W		
	Fiber	N/A	N/A	30W & 60W
	Dual	N/A	N/A	CO ₂ : 60W ~ 120W Fiber : 30W & 60W
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (59°- 86°F)		
Drive		AC Servo System		
Camera	SmartEYES	Standard		
	Live-view camera	Standard		
	SmartVISION Elite	Optional	Optional (CO ₂ model only)	
Maximum Engraving Speed*		4.19 m/s (165 in/s)	4.44 m/s (175 in/s)	
Speed Control		Adjustable from 0.1~100% (Up to 16 color-linked speed settings per job)		
Power Control		Adjustable from 0~100% (Up to 16 color-linked power settings per job)		
Engraving Capability		256-level gray scale image processing capability		
Z-Axis Movement		Automatic		
Focus Lens		CO ₂ : Standard 2.0" (Optional 1.5", 2.5", 3.0" & 4.0")	CO ₂ : Standard 2.0" (Optional 1.5", 2.5", 3.0" & 4.0") Fiber and Dual : Standard 2.0" (Optional 3.0" & 4.0")	
Resolution (DPI)		Available 125, 250, 300, 380, 500, 600, 760, 1000, 1500		
Interface		10 Base-T Ethernet USB Type-A 2.0 - For USB storage (Max. 32GB capacity, FAT file system) USB Type-B 2.0 - For connecting with the computer		
Compatible Operating Systems		MS Windows		
Control Panel		7" Touch panel		
Safety		Class 1 Laser Product Complies with EN60825-1:2014, EN ISO 13849-1:2023 Class 2 Laser Product Complies with CDRH for CO ₂ Laser 2006/42/EC Machinery Directive Compliance Class 4 Laser Product Compliant with CDRH with the optional pass-through door module		
Operation Voltage		CO ₂ : 200-240 VAC, 50/60HZ Auto Switching, max. 15A	CO ₂ & Dual : 200-240VAC, 50/60HZ Auto Switching, max. 15A Fiber : 200-240VAC, 50/60HZ Auto Switching, max. 8A	
Exhaust Port Diameter		Upper exhaust port diameter : 4" (101 mm) / Lower exhaust port diameter : 5" (127 mm)		
Fume Extraction System**		External exhaust system with minimum flow rate 800 m ³ /h (CFM 471 ft ³ /min) is required, 2.3kPa negative pressure (Pure-Air PA-1500FS @ 4" exhaust port)		

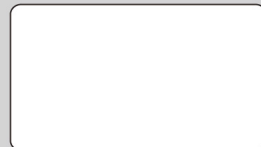
** Speed is not equal to throughput. See dealer or visit www.gccworld.com for more detail.

Specifications are subject to change without prior notice.

*** Please use certified brands by GCC for LaserPro USB storage, kindly refer to GCC User Manuals for more details.



Authorized Dealer



www.GCCworld.com

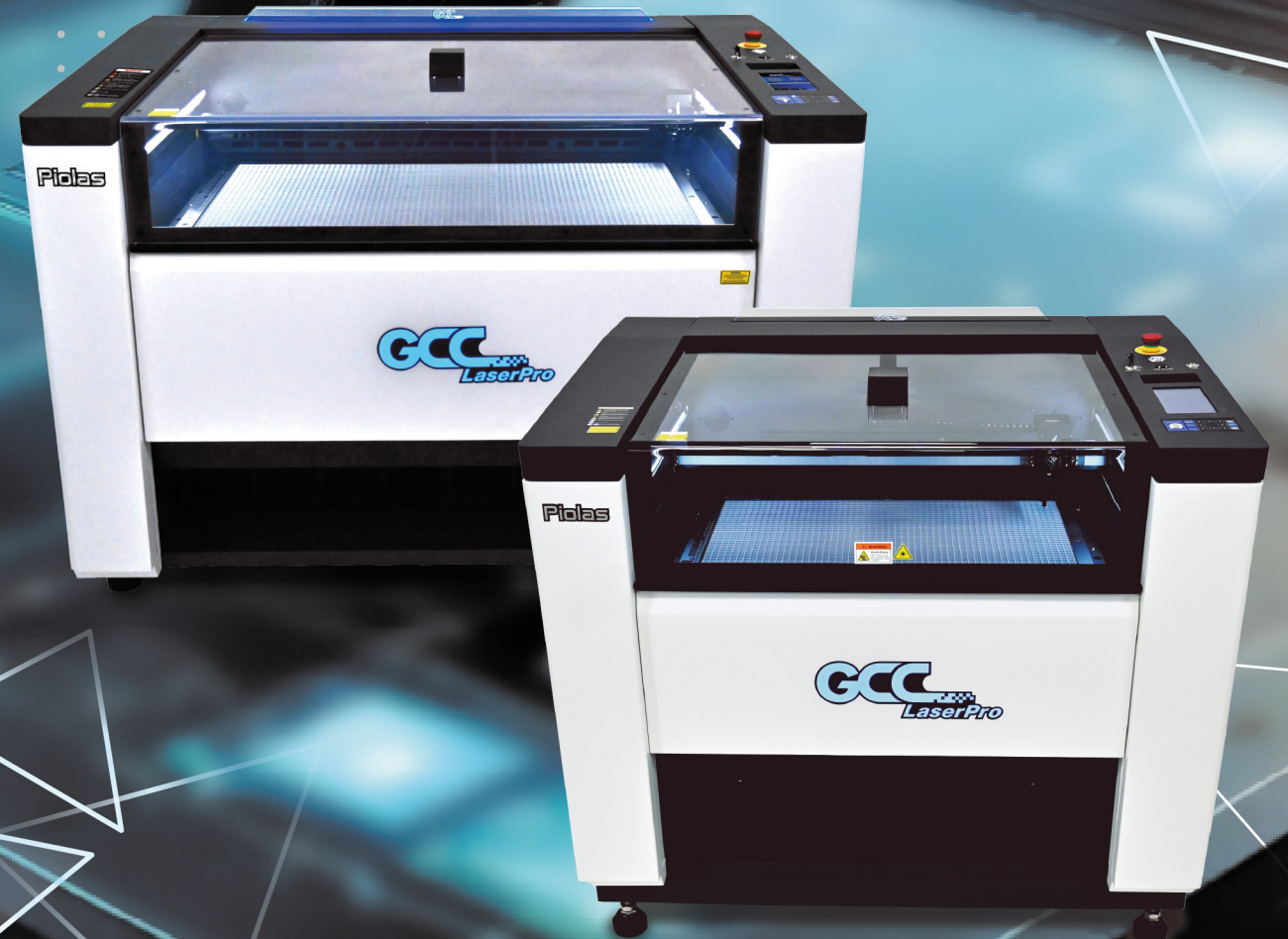


GCC Headquarters 4F-1., No.236, Fude 2nd Rd., Xizhi Dist., New Taipei City 22151, Taiwan 886-2-6616-6692 Fax : 886-2-2694-6875
 GCC China No.1, Chen Feng Road, Yushan, Kunshan, Jiangsu 215300, China 86-512-5726-1515 Fax : 86-512-5726-1518
 GCC Europe B.V. Eglantierbaan 43-45, 2908 LV, Capelle a/d IJssel, The Netherlands 31-10-458-9367
 GCC America, Inc 20550 Carrey Road, Walnut, CA 91789, USA 1-909-718-0248 Fax : 1-909-718-0251
 US & Canada Only Toll Free: 1-888-284-5211



EXPERIENCE PEAK PERFORMANCE

Piolas Series



- Unmatched engraving speeds of 4.19 m/s (165 in/s) and 4.44 m/s (175 in/s)
- 27.9" x 20" (710 x 510 mm) and 40" x 24" (1016 x 610 mm) working area
- Equipped with SmartEYES™ CCD for effortless positioning
- Standard live-view camera for educational purposes
- AC Servo System ensures precise and rapid movement of the laser carriage.
- Comes with a 7" touchscreen display
- Status indicator lights on the upper cover allow users to easily discern the machine's status
- SmartLID™, an easy-access design that simplifies maintenance

Piolas Series



Piolas 400 / 400SE

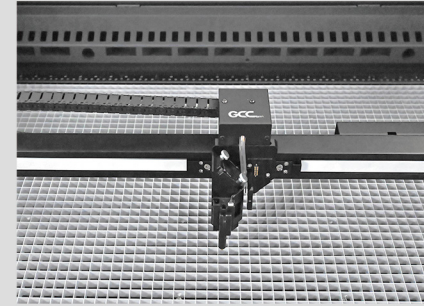
Piolas 280

GCC Piolas Series represents the pinnacle of our technological advancements, delivering unparalleled engraving performance with models reaching 4.19 m/s (165 in/s) and 4.44 m/s (175 in/s).

With innovative features like SmartEYES™ and live-view CCD, the operation is seamless and effortless. Elevate your artwork to new heights with GCC Piolas Series, delivering unmatched throughput and quality.



Features



Ultra-Fast Engraving Speeds

Piolas Series excels in performance, achieving engraving speeds of 4.19 m/s (165 in/s) and 4.44 m/s (175 in/s), delivering unmatched productivity and efficiency.



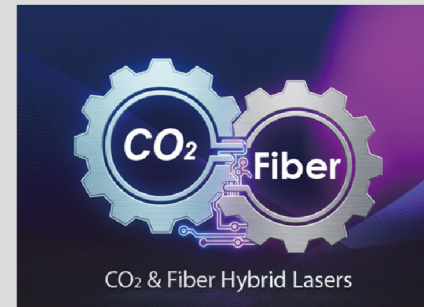
Transparent Top-lid Window

The clear and lightweight top-lid window allows expensive visibility and superior ease of use.



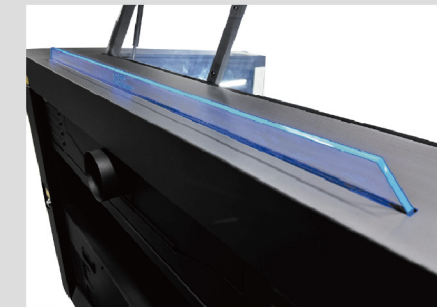
7" Touch Panel

Outfitted with a standard 7-inch touch panel and button controls for an intuitive and convenient operational experience.



CO₂ & Fiber Hybrid Lasers (Piolas 400SE Only)

GCC Hybrid technology allows to install CO₂ & Fiber dual lasers in one system to expand your business from organic materials processing to direct metal engraving.



Status Indicator Light

The status indicator bar displays the machine's current operating state, standby mode, or error status, enabling users to easily monitor the machine's condition from a distance.



SmartLID™ for Easy Maintenance

An easy-access design simplifies maintenance.



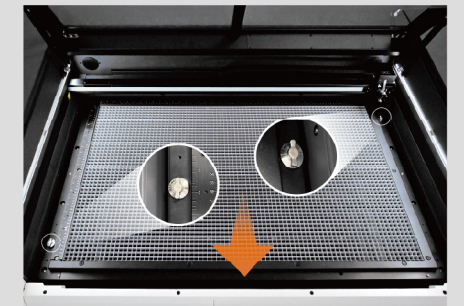
SmartEYES™ CCD

SmartEYE™ CCD on the top lid, offering a comprehensive view of the entire work area for effortless positioning.



Live-view Camera

The standard live-view camera is an ideal educational tool for real-time observation and learning.



Easy Platform Switching

The unique rotary knob design enables easy switching between different cutting platforms.