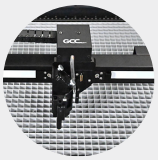
GCC LASER ENGRAVER
PIOLAS 400 SERIES
PINNACLE OF TECH ADVANCEMENT

LASER SOLUTIONS









| OVERVIEW |

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 400 Series, delivering unmatched throughput and quality.

| KEY FEATURES |

- 4.45 m/s (175 in/s) Engraving Speed
- Transparent Top-lid Window
- Live-view Camera
- Status Indicator Light
- SmartEYES™ CCD
- 7" Touch Panel
- SmartLID™ for Easy Maintenance
- Easy Platform Switching
- User Friendly Driver Interface

| OPTIONAL ITEMS |

- Stack Light Set
- Donaldson BOFA fume extraction system
- Air Compressor
- SmartGUARD™ Fire Alarm (Patented)
- SmartVISION™ Elite CCD
- SmartTOOL™

** Speed is not equal to throughput.*
*** Up to 16 colour linked power settings per job*

Technical Specification

	Piolas 280	Piolas 400SE
Dimensions (l x w x h)	1212 x 936 x 1123 mm	1511 x 1107 x 1123 mm
Work Area	710 x 510 mm	1016 x 610 mm
Max Part Size (w x l x h)	790 x 579 x 210 mm	1091 x 680 x 280 mm
Max Part Size (w x l x h) (with pass-through door)	671 x ∞ x 135 mm	1064 x ∞x 165 mm
Work Table Size	719 x 514 mm	1021 x 614 mm
Weight	341 kg	392 kg
Working Table CO_2	Alu Grid Cutting table with leveling adjustment	
Working Table Fiber	Engraving table	
Laser Source	**CO_2 :** 60W ~ 120W	**CO_2 :** 60W ~ 120W **Fiber:** 30W & 60W
Cooling	Air-cooled, Operating env. temp. 15°- 30°C (59°- 86°F)	
Drive	AC Servo System	
Camera SmartEYES	SmartEYES - Standard	
Camera Live-view	Live-view - Standard	
C. SmartVISION Elite	Optional	Optional(CO_2only)
Max. Engraving Speed	4.19 m/s (165 in/s)	4.44 m/s (175 in/s)
Speed Control**	Adjustable from 0.1-100%	
Power Control**	Adjustable from 0-100%	
Engraving Capability	256-level grey scale image processing capability	
Z-Axis Movement	Automatic	
Focus Lens CO_2	Standard: 2.0" | Optional: 1.5", 2.5", 3.0" & 4.0"	
Focus Lens Fiber /Dual	Standard: 2.0" | Optional: 3.0 & 4.0"	
Resolution (DPI)	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	
Operating System	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 CO2 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	200-240VAC, 50/60Hz, Auto Switching, max. 15A	
Operation V Fiber	200 - 240VAC, 50/60Hz, Auto Switching, max 8A	
Exhaust Port Diameter	Upper exhaust port diameter: 4" (101mm) / Lower exhaust port diameter: 5" (127mm)	
Fume Extraction System	External exhaust system with minimum flow rate 800m3/h (CFM 471 ft3/min) is required, 2.3kPA negative pressure	

flamefast | **EDUCATION**
Engineering Equipment for Education

* Images are for reference only and may differ from the final product
** Flamefast reserves the right to change product specification without prior notice

FE-2025-V2

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