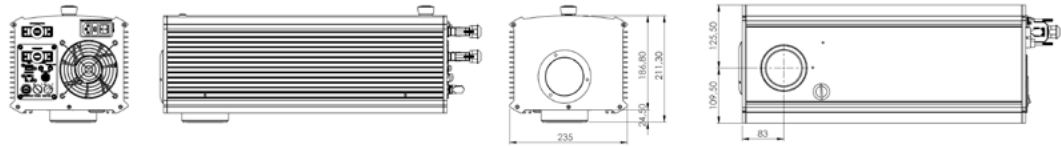


NANO



NANO (DPSS)						
MODEL			NANO DUO			
POWER			6W		20W	
WAVELENGTH			1.064 µm			
LASER SYSTEM			NANO D			
MAINS SUPPLY			100V - 240V 50 / 60 Hz [1 Phase + N] 250 VA		100V - 240V 50 / 60 Hz [1 Phase + N] 400 VA	
DIMENSIONS		Head	236 x 212 x 578 mm			
		Rack	-			
WEIGHT			Net weight: 25Kg	Gross Weight: 27Kg		
COOLING			Air			
SYSTEM			Resonator of the laser source, DACs board, drivers of the scanners, and galvanometric scanners built into the laser and marking head. Control and power electronics, CPU, power supplies and laser source pumping unit built into the control rack.			
FOCAL SPECIFIC.	TECHNOLOGY			NANO		
				F -	6	20
	MA [mm]	WD [mm]	FL [mm]	BD [µm]	PD (KW/cm ²)	PD (KW/cm ²)
	55x55	141	100	27	2089	6964
	100x100	205	163	44	796	2653
	168x168	347	254	69	324	1079
	212x212	458	346	94	175	582
	242x242	554	420	-	-	-
	500x500	889	815	-	-	-
	LEGEND			WD:Working Distance FD:Focal Distance MA:Marking Area BD:Beam Diameter PD:Power Density		
IMPORTANT NOTE			Working Distance [WD]: The distance between the laser system base and the surface to be marked.			
			Focal Length [FL]: The distance between the center of the lens and the surface to be marked.			
			Approximate values: These values are an approximation, and they are different for each laser system, due to the different optical paths.			
SOFTWARE			ScanLinux V5.2.7 and later. Marca Software V5.6.9 and later. Internal Barcode.			
USER INTERFACE			Touch Screen. PC.			
CONTROLLED BY			Touch Screen with ScanLinux software. Full Graphics Interface: includes Marca software™, dongle and Ethernet cable [TCP / IP]. Marca Lite Software: includes Marca™ software, dongle and Ethernet cable [TCP / IP].			
LASER SOURCE			DPSS (YAG) laser. Beam pointer (optional red diode).			
ACCESSORIES			Touch Screen Terminal - Beam pointer - Encoder Kit - Photocell Kit - Alarm Kit Fume Extractor - Mounting support - Mounting Bracket U-ARM - Marking paper - Protection goggles - Air Cooling Kit			
ENVIRONMENTAL CONDITIONS			+15°C (59°F) at 40°C (104°F) external temperature with 50% Duty Cycle or 36°C(100°F) external temperature with 100% Duty Cycle. Humidity between 10% and 95%, without condensation. UV working humidity: 30-80%. No vibrations.			

* approximate data that may have small variations in reality



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Coding, tracing and marking solutions worldwide



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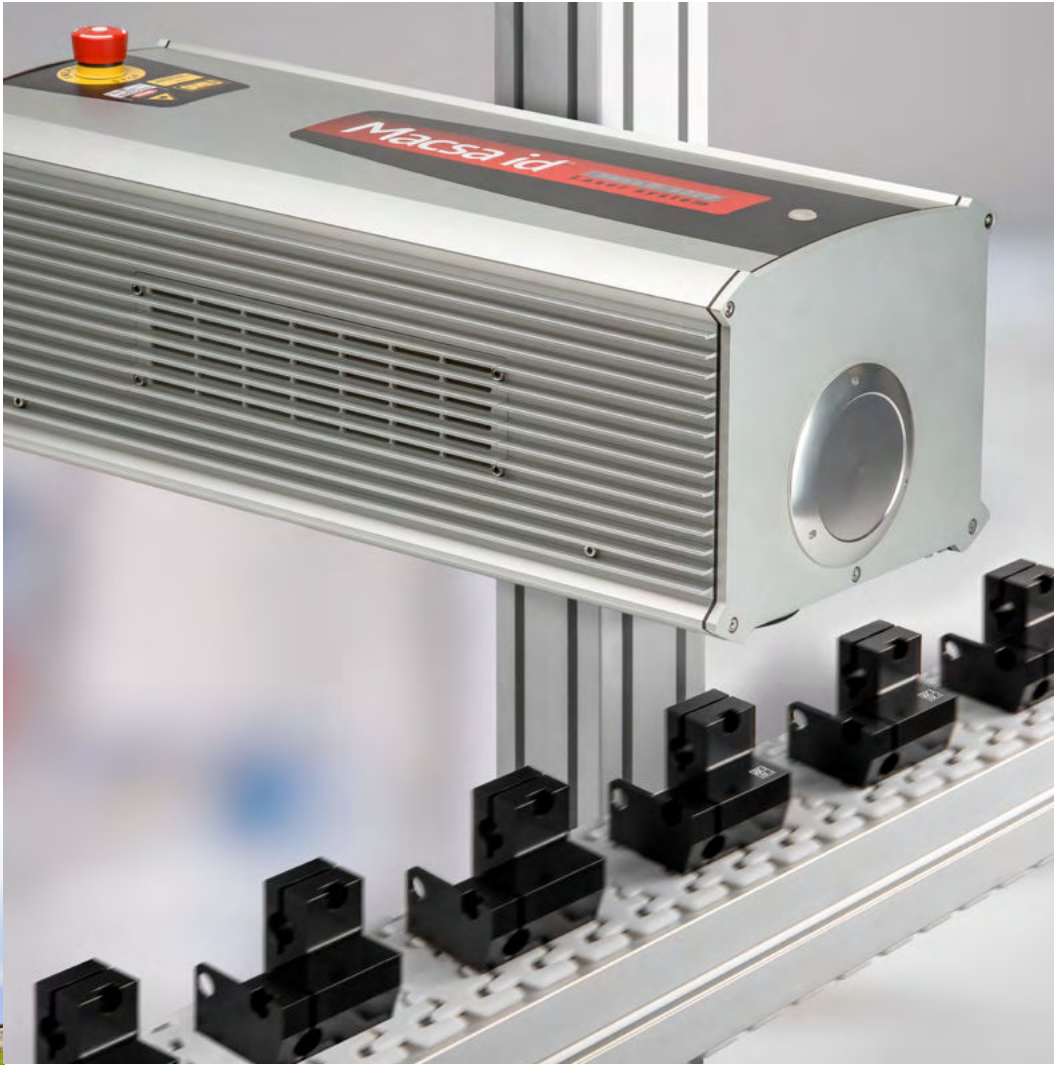
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Macsa id
a code you can trust

NANO

INDUSTRIAL DPSS LASER

All-in-one compact and affordable



NANO by MACSA
Smart. Compact. Affordable

INDUSTRIAL DPSS LASER

NANO

Nano DPSS laser from Macsa is a compact and affordable laser marking system.

- All in one laser designed for ease of integration
- Short pulse width is ideal for coating ablation and marking delicate substrates
- Cost effective laser marking solution
- Dual processor architecture for fast cycle times

NANO is a DPSS Laser system, based on a Nd: YVO4 active medium. The NANO series delivers a high quality beam that is used for precision marking of delicate substrates.

Also NANO lasers are can be integrated and used our Macsa iLaserBox 450 standalone workstation.



NANO is used in industrial markets for marking and engraving a range of plastics and metals:

- General industry
- Aerospace
- Automotive
- Electronics
- Medical devices
- Security
- Jewelry
- Promotional giftware

Affordable

NANO lasers are cost competitive with traditional marking technologies.

Compact

They are compact and designed to be used where space is limited. The laser head and controller are contained in a single, compact unit for ease of installation.



Macsa lasers are very easy to use thanks to our powerful proprietary marking software.

Macsa makes it simple to code and mark precisely and consistently. A userfriendly software to create text, 1D and 2D codes, 3D graphics, graphical files, etc...



The modular software to control, manage and optimize the production line.



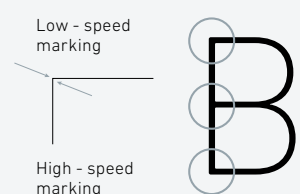
Solutions offering predictive maintenance monitoring, remote assistance and production support services.



DUO by Macsa

Dual Processor Technology Lasers by Macsa allows high precision marks to be produced even with variable data with no loss of performance. This technology dedicates one processor to data processing and the other to controlling the laser.

MACSA LASER SYSTEM



OTHER

