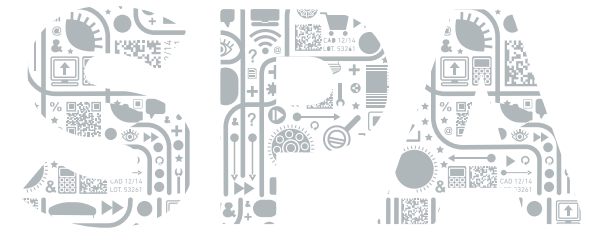




# WE CHANGED THE RULES, AGAIN

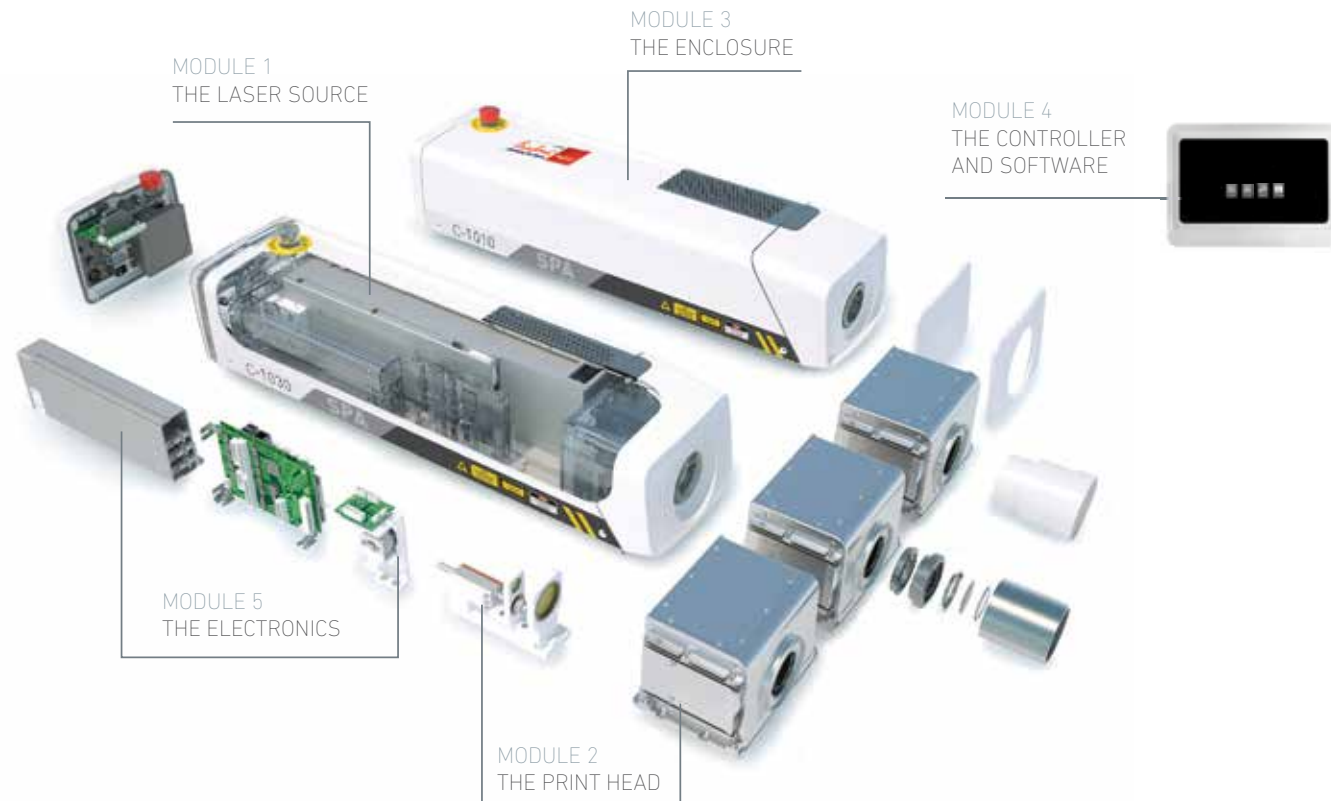


THE FIRST MODULAR LASER  
THAT GROWS WITH YOUR NEEDS



## THE FIRST CODING AND MARKING LASER THAT GROWS WITH YOUR NEEDS

The new SPA lasers by Bradma simplify everything: they modular system will allow you to meet your present and future coding and marking needs. SPA lasers becomes a more functional investment than other equipments as it may be adapted, module by module, to the specific needs of your production line.



SPA IS MUCH MORE THAN A LASER SYSTEM. LET US SHOW YOU HOW IT CAN HELP IN CODING AND MARKING YOUR PRODUCTS.



## RELIABILITY

The SPA laser by Bradma complies with **IP54** guidelines, ensuring it stays sealed in dusty environments. It is also cooled via a reverse air circuit (**RAF®**) which keeps the inside free of dirt and dust. The lenses receive a constant airflow that keeps them free from dust and impurities that can distort the marking.



## PRECISION

SPA lasers have higher-quality lenses and a Vibration Compensation System (**VCS®**) to ensure high-resolution marking even on high-speed production lines.



## VERSATILITY

The modular system on which SPA laser is based, enables it to easily adapt to the needs of every production line or marking type. Its modular design makes it easy to perform tasks such as installing lenses, changing heads (**EETs®**) and printing on curved or uneven surfaces using **3D printing** options.



## SIMPLICITY

Marca software® that controls the laser has been redesigned to be truly easy to use and to provide operators with the maximum number of options in terms of designing the message and controlling the unit. SPA lasers are provided with videos and help material to facilitate its installation and integration. It includes Full Graphics Interface.



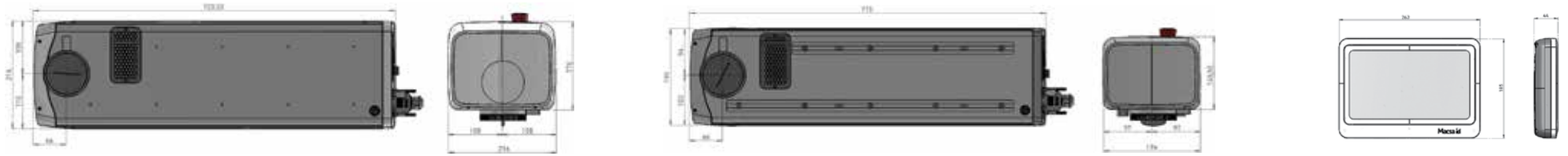
## CONNECTIVITY

SPA lasers can work individually but they can also work in team: **OPTIMA** for a full real-time control of the production of your company; **NICE LABEL** to design, create and print labels; **iLABEL SYSTEMS** to print & apply wherever you want; **REMOTE CONTROL** to set the device remotely by a Bradma technician.



## ADAPTABILITY

The needs of production lines change (more speed, new materials, more complex graphics and messages, etc.), which is why Bradma gives you a wide range of **essential and extra accessories** to optimise the laser's performance and allow it to be optimally integrated into the needs of your production line.



SYSTEM TYPE	SPA C-10 NXT S		SPA C-10 NXT P		SPA C-30 NXT S		SPA C-30 NXT P		
POWER	10 W				30 W				
WAVELENGTH	10,6 µm (For Bio Materials) / 10,2 µm (Laminated Film) / 9,3 µm (PET Bottles)								
DIMENSIONS	145.5 x 194 x 715 mm				176 x 216 x 723.5 mm				
WEIGHT	Net: 17kg ; Gross: 20 kg				Net: 25 kg ; Gross: 28 kg				
SYSTEM	Laser, Scanners, Power Source, Controls Electronics and Computer built into laser tube								
POWER	AC 100-120V // AC200-240 V (50/60Hz)								
CONSUMPTION	300 VA				600 VA				
OPTICS									
WD / FD	Marking Area	Spot Size (µm)	Power Density (W/mm <sup>2</sup> )	Spot Size (µm)	Power Density (W/mm <sup>2</sup> )	Spot Size (µm)	Power Density (W/mm <sup>2</sup> )	Spot Size (µm)	Power Density (W/mm <sup>2</sup> )
54 / 65	40 x 40	301	141,47	150	565,88	420	216,54	210	866,15
84 / 95	60 x 60	439	66,22	219	264,99	614	101,35	307	405,54
114 / 125	75 x 75	577	38,26	289	152,97	808	58,55	404	234,14
189 / 200	100 x 100	739	23,35	369	93,41	1034	35,73	517	142,96
229 / 240	150 x 150	1108	10,38	554	41,5	1551	15,88	775	63,53
309 / 320	200 x 200	1477	5,84	739	23,35	2068	8,93	1034	35,73
339 / 410	250 x 250	1892	3,56	946	14,22	2649	5,44	1325	21,77
SOFTWARE	ScanLinux V5.2.7 and later // Marca Software 5.6.9a and later								
USER INTERFACE	"MultiTouch Screen 10" // PC with Marca Software Lite or Marca Software Full Graphics"								
CONNECTIVITY	" 1x USB Port Type A for Files and Config Transferences // 1x Mini USB Port Type B for Touch Screen // 1x RJ-45 Ethernet Connector for TCP/IP Communication"								
SIGNALS CONTROL	Flexible Input/Output Connections: 12 Programmable Inputs // 4 Programmable Outputs								
SAFETY	Automatic Electromechanical Shutter								
PROTECTION	IP54 (IP65 Optional)								
ACCESSORIES / OPTIONS	Diode Pointer Marking Area Indicator - Mounting Bracket - Photocell Kit - Encoder Kit - Beam Expander - Alarm Kit								
ENVIRONMENTAL CONDITIONS	"15°C (59°F) to 40°C (104°F) external temperature // Humidity <95% without condensation // Vibrations Free Area"								



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