



PRODUCT IDENTIFICATION SOLUTIONS FROM ID TECHNOLOGY

**Not Quite Small Enough To Fit In Your Pocket
But At A Price Which You Can Afford**



NANO



TECHNOLOGY

Labeling Coding and Marking Specialists



NANO YAG lasers from ID Technology are compact and affordable low cost laser coders used by industrial manufacturers to mark their products. They work effectively with a range of plastic and metal substrates. As a result of 20 years' development experience and in partnership with our suppliers, our lasers are smaller and more affordable than competitive products.



The IDT Advantage

Being an industry leader in labeling, coding and marking means ID Technology offers unsurpassed experience and expertise with the highest levels of performance and flexibility in every solution we provide – no matter how large or small.

- NANO lasers are competitively-priced with traditional marking technologies.
- NANO lasers are easy to install and integrate. They are small and compact and can be installed in limited space. They are fully network enabled and equipped with an on-board computer, making an external PC unnecessary.
- NANO lasers are easy to use: they use Marca software to code precisely and consistently.
- NANO lasers may be integrated with iLASERBOX workstations, making these lasers fully-automated plug and play class I laser marking systems.



NANO LASERS



EASY TO INTEGRATE

NANO lasers are smart. With their full graphics interface, Marca message creation and laser control software, NANO lasers are easy to install, configure and use, and can apply variable information to a range of metal and plastic substrates with precision, time after time.

AFFORDABLE

NANO lasers are affordable. With over 20 years' experience designing industrial lasers and close relationships with leading component suppliers, ID Technology can offer the cost competitive NANO YAG laser.

EASY TO INSTALL

NANO lasers are compact. The NANO lasers' compact size make them easy to install, even where there is limited space.

And the laser head and controller are contained in a single unit making installation even easier.



MONOBLOC CONSTRUCTION

NANO's single-piece construction makes it extremely robust and compact.

EMERGENCY STOP

Totally accessible emergency stop button, in compliance with laser safety regulations.



CONTROL UNIT

Advanced touch screen



AIR COOLED

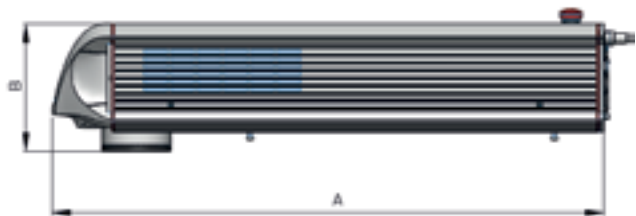
LED STATUS INDICATORS

Green: Laser ready to print.
Blue: Laser printing.
Red: Alarm, laser unable to print.



INTERFACE PANEL

Multiple connections including power supply, photocell, shaft encoder, remote input/output, Ethernet (TCP/IP) and external shutter.



| | | | | | NANO D | | | NANO F | |
|-----------------------|-----------------------|-------------------|------------------------|--------------------|--|---|---|---|---|
| SYSTEM TYPE | | | | | NANO D-6000P | NANO D-6000A | NANO D-6020 | NANO F-6010 | NANO F-6020 |
| Q-SWITCH/FREQUENCY | | | | | Passive/Fixed | | Active/Adjustable | | |
| POWER | | | | | 4W | 6W | 20W | 10W | 20W |
| MAINS SUPPLY | | | | | 125V / 230 V 50/60 Hz (1 Phase + N) Typ: 150 VA Max: 250 VA | 125V / 230 V 50/60 Hz (1 Phase + N) Typ: 160 VA Max: 250 VA | 125V / 230 V 50/60 Hz (1 Phase + N) Typ: 300 VA Max: 400 VA | 125V / 230 V 50/60 Hz (1 Phase + N) Typ: 200 VA Max: 300 VA | 125V / 230 V 50/60 Hz (1 Phase + N) Typ: 250 VA Max: 350 VA |
| WAVELENGTH | | | | | 1.064μm | | | 1.062μm | |
| DIMENSIONS | | | | | 776mm x 168mm x 190mm | | | 895mm x 191mm x 235mm | |
| WEIGHT | | | | | Net weight: 18kg Gross weight: 20kg | | | Net weight: 26kg Gross weight: 30kg | |
| SYSTEM | | | | | Laser generator, galvanometric scanners, power supply unit, control electronics and CPU. | | | | |
| OPTICS | Working distance (mm) | Focal length (mm) | Marking area (mm x mm) | Beam diameter (μm) | Power density (kW/cm ²) | Power density (kW/cm ²) | Power density (kW/cm ²) | Power density (kW/cm ²) | Power density (kW/cm ²) |
| | 100 | 128 | 55x55 | < 27-0 | 1387,5 - 0 | 2081 - 0 | 6938 - 0 | 3482 - 0 | 6964 - 0 |
| | 162 | 205 | 100x100 | < 44-S | 528,7 - S | 793 - S | 2648 - S | 1327 - S | 2653 - S |
| | 254 | 321 | 160x160 | < 69-0 | 215,1 - 0 | 323 - 0 | 1075 - 0 | 540 - 0 | 1079 - 0 |
| | 346 | 427 | 200x200 | < 94-0 | - | 174 - 0 | 578 - 0 | 291 - 0 | 582 - 0 |
| | | | | | μm: microns S: Standard 0: Optional Built in marking 90° | | | | |
| SOFTWARE | | | | | <ul style="list-style-type: none"> ScanLinux V5.2.7 and later Marca software V5.6.9.a and later Internal barcode | | | | |
| USER INTERFACE | | | | | <ul style="list-style-type: none"> Hand held terminal Touch screen PC | | | | |
| CONTROL | | | | | <ul style="list-style-type: none"> Touch screen with ScanLinux software. MarcaLite® software, with security key and ethernet (TCP/IP) cable connection Hand held terminal Full graphics interface, key protected software and ethernet (TCP/IP) cable connection | | | | |
| LASER SOURCE | | | | | <ul style="list-style-type: none"> ND:YAG resonator pumped by the endpoint (NANO D) Beam Pointer (optional red diode). | | | | |
| ACCESSORIES / OPTIONS | | | | | Touch screen terminal – Hand held terminal – Photocell kit – Photocell – Encoder kit – Alarm kit – Fume Extractor – Floor stand – U-ARM assembly support Marking papers – Safety goggles | | | | |
| ENVIRON. CONDITIONS | | | | | <ul style="list-style-type: none"> 15° C (59° F) to 40° C (104° F) external temperature Humidity < 95%, without condensation Vibration free area | | | | |