



pulsar
LASER MARKING BY MP

pulsar M6 Laser Labelling System

Permanent, rapid labelling for a wide variety of materials

Laser-based labelling made simple

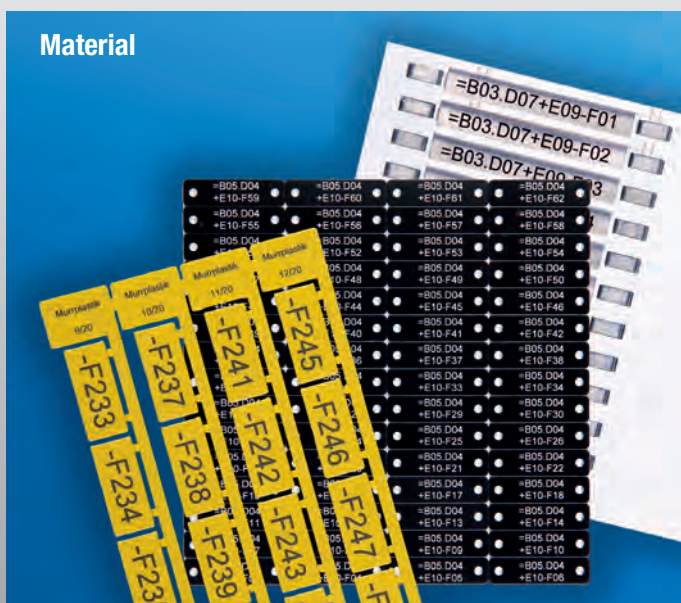
Personalised, abrasion-proof and counterfeiting-proof laser labelling for metal and plastic ID plates, with the new *pulsar* laser labelling system from Murrplastik.

With *pulsar*, Murrplastik presents a system for manual workstation use with which abrasion-proof, quality labelling can be realised on a wide variety of base materials. Top features for the laser lettering system include its high output capacity and its simple, "plug-and-play" operation. PULSAR can be controlled and operated precisely from the PC via its USB interface and the industry standard ACS lettering software.

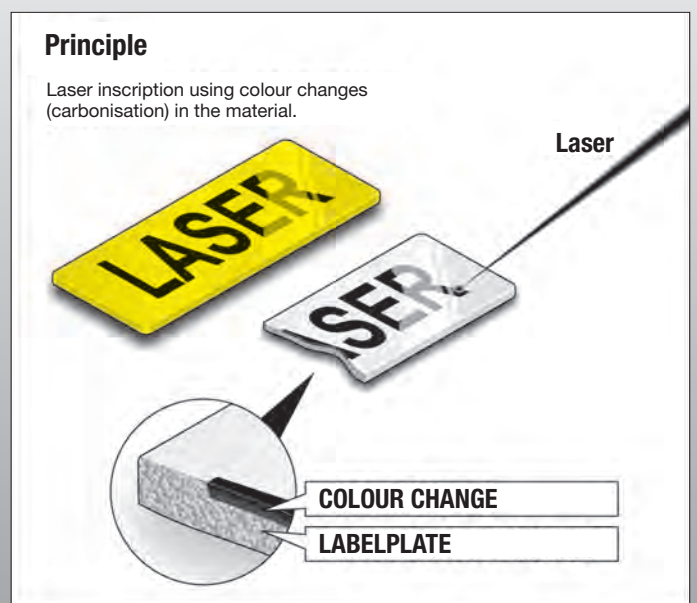
With the *pulsar* laser unit, operators have the option of setting the speed and optical density of the labelling to match their requirements. Engineering design data can be loaded directly into the ACS lettering software using the integrated CAD and EPLAN interfaces. With its low initial cost, plus minimal operating and lifecycle costs, *pulsar* is the perfect labelling system for companies with a medium to high volume of labelling work and high standards regarding the quality of labelling produced. The *pulsar* can be used for labelling on ID plates for leads, lines, terminals, control panels and signalling equipment, switchgear, media devices and much more besides.



The *pulsar*. The universal laser labelling system!



ID plates based on a variety of materials:
polycarbonate, polypropylene, anod. aluminium, stainless steel



The high quality of the laser labelling produced by the *pulsar* results from a chemical reaction in the labelling material.



Technical data:

Laser source	6 watt solid state laser
Wavelength	1064 nm
Modulation	frequency 15 kHz–200 kHz
Cooling	Air
Input voltage	230 V / 50-60 Hz
Power consumption	0.5 kW
Dimensions (H x W x D)	630 x 510 x 755 mm
Weight	54 kg
Interface	USB

Long-term labelling.

The high quality of lettering produced by **pulsar** is the result of a chemical reaction in the labelling material. This is known as ‘carbonisation’ and it guarantees ultimate strength for the labelling. As a result, the inscription is impervious to damage by external environmental factors – even the oils, gases, chemical waste or moisture produced under harsh industrial conditions. The labelling is 100% permanent and is as durable as an etched inscription. The laser labelling will not fade even if subjected to the UV radiation contained in daylight.

The **pulsar** satisfies the stringent Class 1 laser standard, which also applies to DVD and CD players. As a result, no special precautions need to be taken and **pulsar** can be set up and deployed anywhere without further thought. The laser beam is redirected using a mirror system, permitting exceptionally fine and precise marking even with the smallest fonts and graphics.

In line with the times: An excellent price-performance ratio.

electricity is de facto the one and only cost factor! The laser needs no consumables whatsoever. This enables the **pulsar** to achieve truly substantial cost savings. Financially, too, an investment in laser technology will pay off over the medium- to long-term!

The **pulsar** also has an impressive rate of output. With an hourly throughput of 175 labelling mats (KS 4/18), this represents an output of up to 10,000 ID plates labelled per hour.

That's flexibility!

From customised individual labelling to batch-mode production, the **pulsar** covers everything: it is just as capable of producing user-specific (ID) plates as it is at handling the complete marking of an entire machine. And on such a wide range of materials! Everywhere it is used, **pulsar** ensures labelling meets the highest quality standards. An investment in a **pulsar** means acquiring the features of several different machines

Advantages:

- Permanent, durable labelling via carbonisation
- Possible to process a range of different materials
- Device is ready immediately after being switched on
- High productivity and labelling speeds
- Minimal operating costs
- Work with standard ACS software
- Contactless labelling
- Minimal maintenance required
- No consumables used

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