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.

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

Laser inscription using colour changes (carbonisation) in the material.

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

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

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.

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.

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.