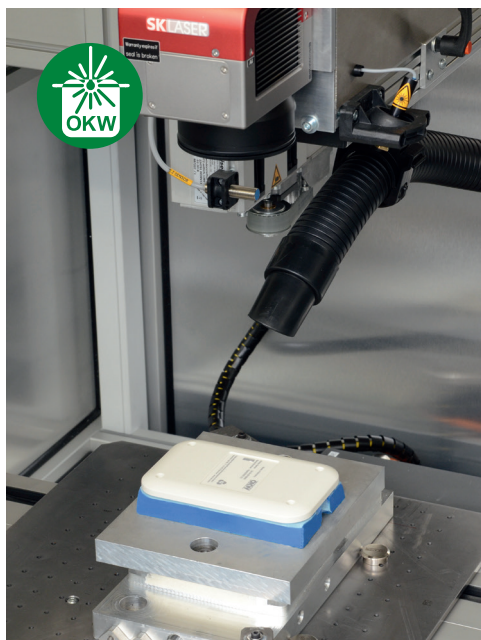# LASER MARKING

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LASER MARKING

Laser marking is a fast and flexible process for customising our wide range of plastic and aluminium enclosures and components from our standard product range.

ADVANTAGES

A major advantage of laser marking is its abrasion resistance. Even uneven surfaces and surfaces that are difficult to print on can be marked with a laser. Particularly suitable for frequently changing layouts such as consecutive serial numbers and model designations, fixed or variable barcodes/QR codes etc.

PARTICULARLY SUITABLE FOR

Marking parts made of ABS, ASA+PC, ASA+PC-FR, PC, PA, PA GF, PS and aluminium.
Parts made from rubber-like materials, such as TPE, are available upon request.

NOT SUITABLE FOR

Marking duroplastic materials, transparent parts (e.g. PMMA) and highly glossy surfaces.
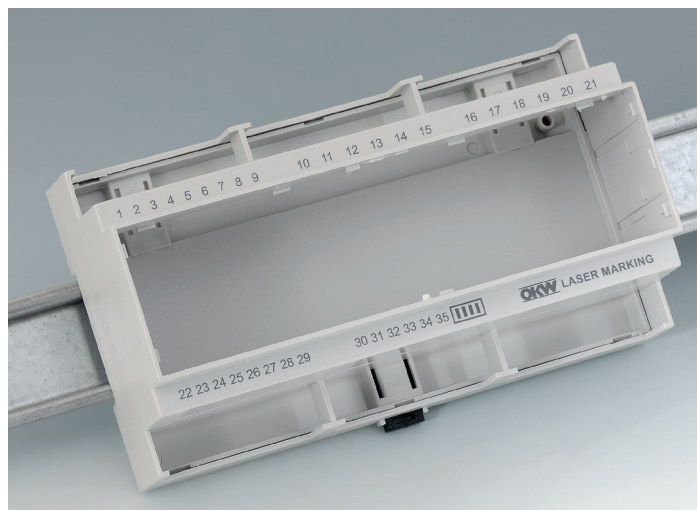
MARKING BY COLOUR CHANGE

During laser marking, pigments and molecules in the material are selectively altered by a laser beam, resulting in a visible colour change.

This allows the colour to change from light to dark or from dark to light, e.g.:
light grey enclosure colour => dark grey marking colour
dark grey enclosure colour => medium to light grey marking colour

Depending on the material and colour to be marked, the intensity of the colour change may be more or less pronounced.

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DIMENSIONS

Maximum part size for marking		Maximum size of laser marking	
Length	450 mm	Length	420 mm
Width	250 mm	Width	160 mm
Height	230 mm		

WHAT INFORMATION DO WE REQUIRE AT THE ENQUIRY STAGE?

At least a detailed description of the desired marking, dimensional sketch or PDF drawing indicating the position and size of the marking (length, width). Details regarding numerical markings, barcodes and QR codes.

WHAT INFORMATION DO WE REQUIRE AT THE ORDER STAGE?

We require the marking file as a vector graphic (not a raster graphic) on a scale of 1:1, preferably as a .cdr, .eps or .dxf file.
It must be possible to edit all contents of the file.
A minimum line width of 0.25 mm and a minimum font size of 1.5 mm are recommended.
Details regarding numerical markings, barcodes and QR codes.

VECTOR GRAPHIC   RASTER GRAPHIC

www.okw.com