LASER MARKING

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LASER MARKING

Laser marking is a fast and flexible process for customizing our wide range of plastic and aluminum 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 AABS, 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.
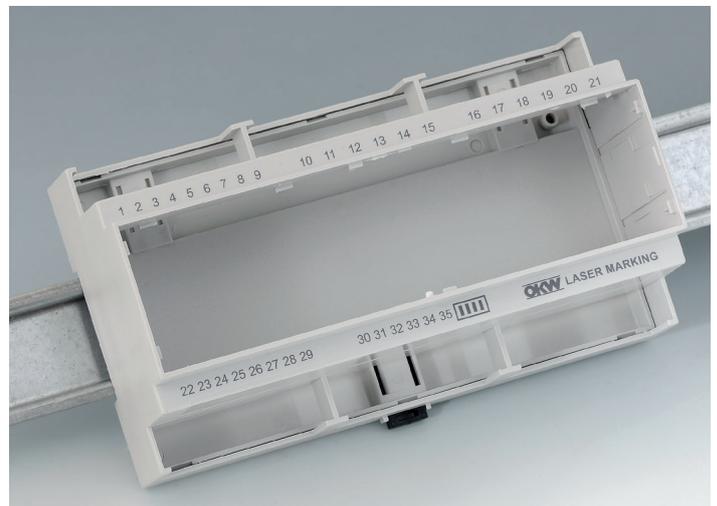
NOT SUITABLE FOR

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

MARKING BY COLOR CHANGE

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

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

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

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DIMENSIONS

Maximum part size for marking	
Length	17.72"
Width	9.84"
Height	9.06"

Maximum size of laser marking	
Length	16.54"
Width	6.30"

WHAT INFORMATION DO WE REQUIRE AT THE INQUIRY 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 0.01" and a minimum font size of 0.06" are recommended.
Details regarding numerical markings, barcodes and QR codes.

VECTOR GRAPHIC   RASTER GRAPHIC