

Printing

Customize your Box

Article:	Print - Customize your plastic enclosure
Brand:	Multi-Box



Description

Print - Customize your plastic enclosure. With an individual silk print, you mark your enclosure according to the needs of the application and improve its appearance and design. You enhance your enclosure with a company logo or other type of graphic. All we need is a printable template and your color specification according to RAL or Pantone.

Due to the high layer thickness, the screen printing process achieves a long-lasting print suitable for industrial applications. Not only flat but also uneven surfaces can be printed.

- The costs of series production are low compared to other processes.

The silkscreen printing process, also known as screen printing, is a versatile printing technique used to transfer ink onto a substrate, except in areas made impermeable to the ink by a blocking element. This method is widely employed for a variety of applications, including printing on textiles, posters, decals, industrial labeling, and PCBs (printed circuit boards). Here's a breakdown of the key steps involved in the silkscreen printing process: **1. Screen Preparation:** * **Mesh Choice:** A screen is made of a fine mesh (typically polyester, nylon, or stainless steel) stretched tightly over a frame. The mesh count (threads per inch) determines the fineness of the print and the amount of ink that passes through. Higher mesh counts are used for finer details and thinner ink layers, while lower mesh counts are suitable for thicker inks and larger designs. * **Stencil Creation:** A stencil is created on the mesh, defining the areas where ink will pass through to the substrate. There are several methods for stencil creation: * **Direct Method (Emulsion Coating):** A light-sensitive emulsion is applied to the mesh. A positive image of the artwork is then exposed to UV light through a film positive (a transparent film with the artwork printed in opaque ink). The UV light hardens the emulsion where it's exposed, while the unexposed areas (corresponding to the artwork) remain soft and can be washed away, leaving

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No product found.