UV PRINTING

WE DO COLOR UV PRINTING
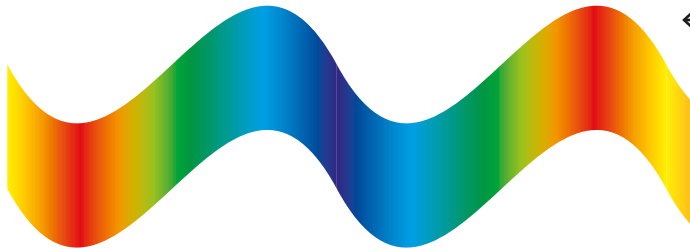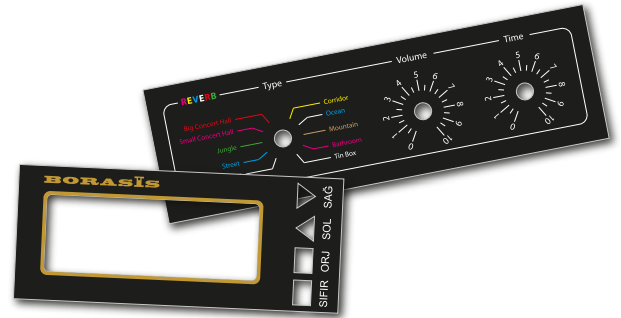## ON ALL SURFACES OF OUR ENCLOSURES!

ULTRAVIOLET GRAPHIC PRINTING
Introductory and tecnique catalogue

Make Your Products More Attractive

All your graphic visuals

We can print logo, brand, mimic diagram, control panel graphics, panel/screen captions, port marking, potentiometer marking, button marking and even serial numbers on enclosures now.

Multi-color printing

You are no longer bound to basic or limited number of colors. You can choose any color in the photographic color space with the color mixing system (Trigromi) of the UV curing printing technique.

Embossing and transparent printing

Regardless of material color; try embossing, textured printing and transparent printing. This will break a new ground for your products.

Durability

Resistant to chemicals

We had very good results in the tests we have done with various chemicals. You can do chemical tests for the special scenarios you may face.
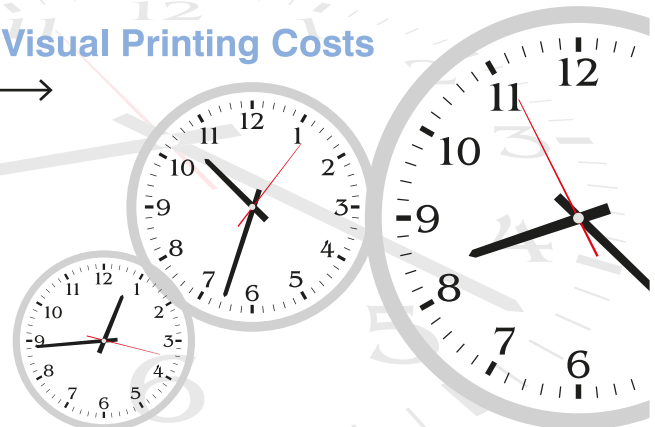
Corrosion and abrasion resistance

The visual prints we produce with the UV Curing Printing Technique is very well adsorbate on various surfaces and resistant to abrasion.

Improve Your Quality while Reducing your Visual Printing Costs

Save time

In manufacturing, time is a very important cost. It takes serious time to disassemble the enclosures you buy, to take them to printing, to follow the process, to take back and reassemble. When you put your order with the visual printing job, you will receive the finished enclosures and save serious time.

Reduce labor, transport and wastage costs

Ordering your enclosures with visual printing and receiving the finished products will save you money by reducing transport, labor and wastage costs.

You can work for more efficient jobs when we are preparing your prints in our workshop.

Can you print our logo or brand on your products?

Of course. We are able to produce all the visual prints you want on our products with suitable material and printing surface.

Can you also print graphics such as mimic diagrams, control panels, buttons and port markings?

Yes. We can print graphics with our UV curing system.

Is there a limitation in colors?

We can apply all colors in the photographic color spectrum.

Can you print the Pantone® or RAL color of our company logo?

In our printing system CMYK color space, we are able to achieve close to 85% proximity to Pantone® and RAL codes.

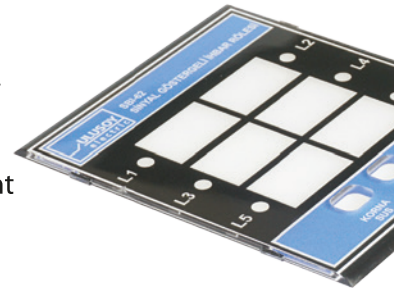### Can you print any color on all color of enclosures?

We print according to the color of the enclosure and the color to be printed. At an additional cost, using the optional primer printing applicator, we are also able to print a wider range of colors including the color white. We will recommend you color systems and you can choose the system that suits you best.

Can you print variables such as serial number?

Yes, we can make variable prints such as serial number/lot number at additional cost.

Previous prints were deleted by contact or using. Do you have such a problem?

Our UV cured printing system has passed abrasion tests. And we can say that the print lasts longer than many other methods.

Our device is in contact with some chemicals, will these chemicals remove prints?

We have placed our print method to various testing conditions and different types of chemicals and now can say that the prints do not fade or get erased when placed under different tests with different chemicals. Also, you can always test the prints with chemicals under the conditions that your device is normally exposed to.

Will sun exposure fade the prints on our products?

The printing method we use is highly resistant to sunlight.

How do you do the pricing?

We calculate the surface area of the printed product and the number of layers we print.

Will our costs increase if we switch from Serigraphic Printing to UV Printing?

No. Do not mind the apparent cost, if we look at the time and labor you will spend by choosing to print in a different place, having us do the printing for you will cost you less.

Can you print on curved and recessed surfaces?

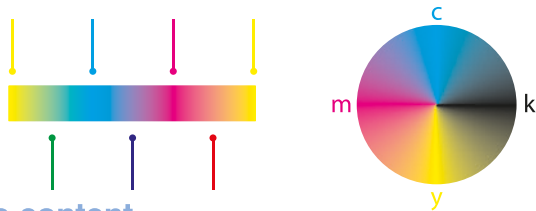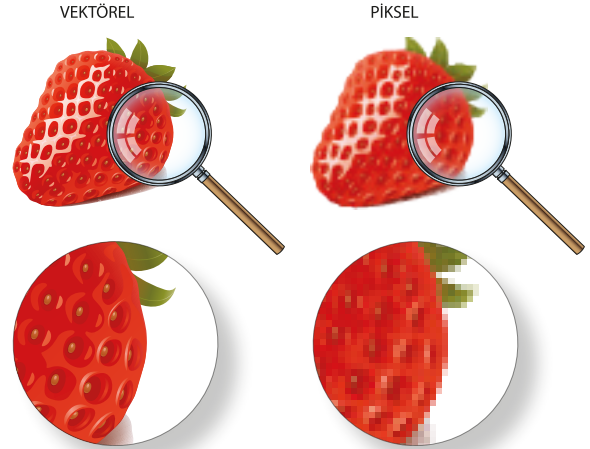We can print on surfaces of different heights up to 5 millimeters.

Can you also print on the products from other companies?

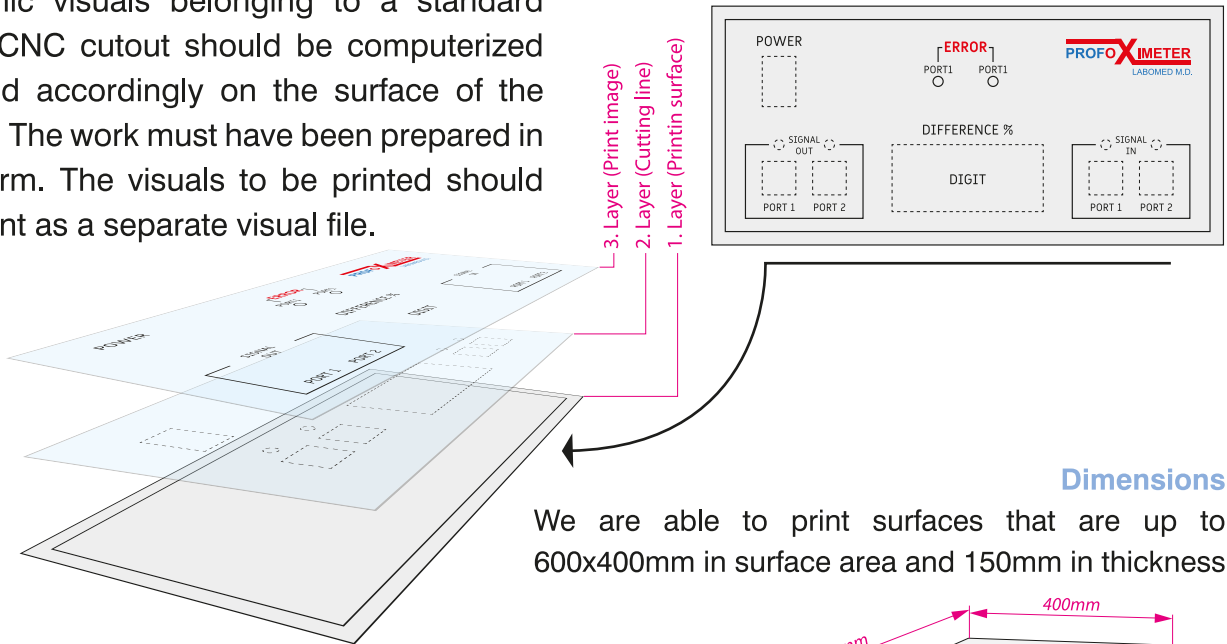Yes, we can.

![ALTINKAYA logo]

File types

- PDF (Portable Document Format)
- SVG (Scalable Vector Graphics)
- AI (Adobe Illustrator)
- CDR (Corel Draw)
- EPS (Encapsulated PostScript)

Graphics must be vectorial. If there are pixel-based visuals that cannot be vector within the graphics work, it should not be below 300DPI in the actual print size. All text in the graphic work must be converted as a vector.
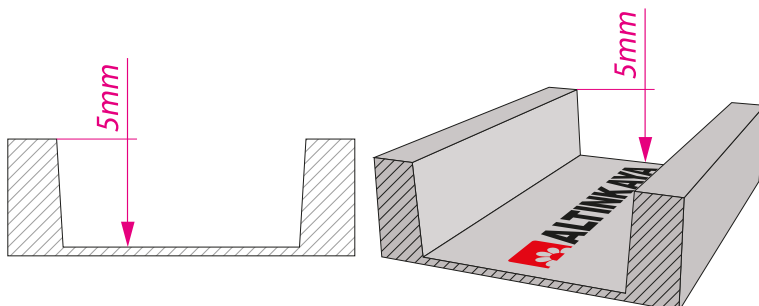
VEKTÖREL   PİKSEL

Use of color

The graphic visuals must be in the CMYK color system. We can print the nearest CMYK equivalent of Pantone® colors and colors produced by special paints.
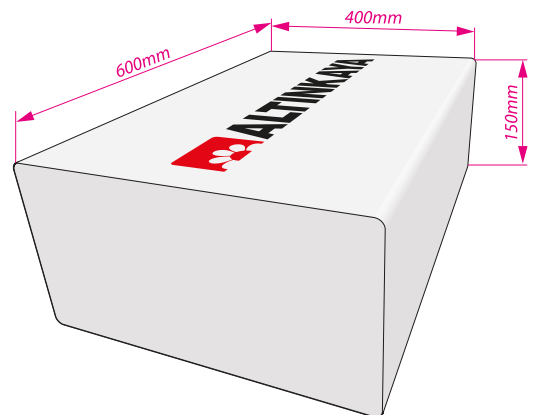
File content

The graphic visuals belonging to a standard layout or CNC cutout should be computerized and placed accordingly on the surface of the enclosure. The work must have been prepared in layered form. The visuals to be printed should also be sent as a separate visual file.

3. Layer (Print image)
2. Layer (Cutting line)
1. Layer (Printin surface)

POWER

ERROR
PORT1   PORT1

PROFOXIMETER
LABOMED M.D.

DIFFERENCE %

SIGNAL OUT

DIGIT

SIGNAL IN

PORT 1   PORT 2   PORT 1   PORT 2

Dimensions

We are able to print surfaces that are up to 600x400mm in surface area and 150mm in thickness.

400mm
600mm
150mm

Printing in deep places (pool, channel etc.)

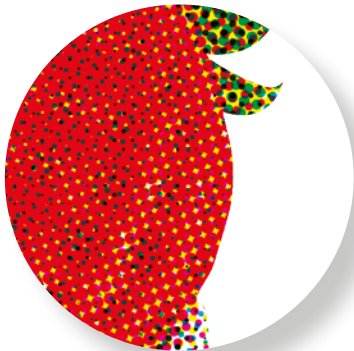We are able to print on surfaces up to 5mm. On deep surfaces, the print resolution decreases.

5mm

5mm

e-mail for graphic printing: baski@altinkaya.com.tr

Differences Between UV Cured CMYK Printing System and Silk-Screen/Pad Printing

• Freedom of using almost all colors; in the system called Tricomi (CMYK), 3 main colors and black color trays are overlapped with correct angles to obtain millions of colors. Colors are limited in Serigraphy / Pad Printing.

• It is possible to print all colors simultaneously in our system. in Silk-Screen/Pad Printing, each color is printed separately.

•As the UV Curing method dries the print immediately, it is possible to minimize the appearance of bad colors.

• It is possible to use special paints and Pantone® colors in Silk-Screen/Pad Printing. This is not possible in the CMYK system; we can only print the nearest CMYK equivalent.

• Since CMYK system colors are obtained by combining the color mixes together, it is possible to see these dots (as shown in Fig. 1). This is not the case when flat colors are printed in Serigraphy / Pad Printing.

① UV Curing
CMYK Print

② Silk-Screen or
Pad Printing