

# PLATES AND FRONTS MADE OF PLASTIC/GLASS

ROBUST, DURABLE AND PRECISE



***'There are virtually no limitations when it comes to choosing designs and colours.'***

**Are you interested in shaped foils, transparent windows (with or without filters), fade-out effects, adhesive surfaces or in protective foils for plastic signs and front panels? Algra Group offers the right solution.**

Apart from polycarbonate or polyester, other materials are also used as a base material like glass or plexiglas, for example. In order to protect the graphics from abrasion and other effects from the environment, printing is done on the rear in pin-sharp quality.

Our range also includes manufacture of base plates as well as professional lamination of the printed foil. There are virtually no limitations when it comes to choosing designs and colours. Using rapid, modern screen printing lines, specialist stamping machines, precision laser-cutters and much else, we guarantee results exactly according to your wishes.

## Advantages

- Custom production
- Available in practically any size and form
- Printed on the rear to prevent abrasion of colour
- Precision finishing
- Robust and durable
- Easy to shape
- Inexpensive material separation using laser cutting or stamping
- Inexpensive printing method for large and small runs
- Chemical-resistant

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## Production

### Screen printing

- 'Roll to Roll' ultra-rapid, high-performance screen printing machine for medium and large runs
- Flat-bed screen-printing for different plate material from polycarbonate to plexiglas or glass
- Drying in UV or force drying units
- Colour analysis with colour spectrometer

### Digital printing

- On foils or plates
- Colour management after requesting the client proof

### Further processing

There is barely a product that is finished after printing. For the most part, further processing is required that is no less extensive: Stamping, cutting, sawing, drilling, thermal shaping and much else. Here are a few examples:

- Material separation with laser cutting or steel strip stamping
- Components: assembly of displays, conductor plates and other components
- Lamination of adhesive foils
- Manufacture and assembly of base plates with screws etc.

## Materials

### Polyester (crystal clear or matt polyester foil)

Polyester has a high mechanical load capacity and has high resistance to chemicals.

### Polycarbonate

Polycarbonate is very easy to work with and shape. The surface can be provided with a scratch-resistant or anti-glare layer.

### Plexiglas

Plexiglas is a material that is easy to care for and is very similar in appearance to glass. It is available in a wide range of thicknesses and colours.

### Glass

Glass is easy to care for and resistant to chemicals and can also be shaped.

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2019/03