

## ELECTROLYTIC MARKING SYSTEM

The original ÖSTLING stencils, consumables and accessories for electrolytic marking

### Long-term stencils

Long-term stencils are the perfect solution for static (constant) inscriptions such as logos, product and type designations, batch numbers, trademarks, barcodes, numbers or decorative markings.

Every day, we produce an average of 500 stencils of various sizes for electrolytic marking processes and send them to customers all over the world who come from a wide variety of industries.

In our stencil department your these are no limits in creating stencils according to your templates, ideas and wishes. Stencils with dimensions of up to 700 x 400 mm can be dispatched within one working day after your approval, thanks to the many years of experience of our employees and optimum process sequences. In addition, we offer XXL special formats on request.

### Easy to re-order!

With the stencil identification numbers (for example: AUS-580, I-4752, CZ-1458, NL-88596,...), you can reorder easily and uncomplicatedly. You usually pay less than 25% for a reorder compared of a specific stencil to the first order! Our stencil archive contains several hundred thousand stencils that can be reproduced at any time which is stated on

### EXEL Long-term stencils

The **EXEL** long-term stencils are suitable for print runs of up to 5,000\* markings.

each stencil provided by us. With following of our stencils orders, certain factors are omitted, which is why the cost is a fraction compared of a new order. The total price for new orders consists of the stencil and development costs. In the case of a repeat order, you only pay the pure stencil costs!

## Short-time stencils

Our short-term stencils are great if you need flexible and frequently changing markings such as serial numbers, type plates and individualized data matrix codes.

Basically, we distinguish between two different types of short-term templates:

- Short-term stencils as stencil paper with a special coating (available in different colours and sizes)



These types of short-term stencils can be processed with a dot matrix printer, a typewriter (electrical or mechanical) or by simply removing the top layer.

- Short-term stencils as direct thermal stencils with a thermosensitive coating (available in various sizes and designs)

This type of short-term stencils can be processed with various thermal printers. For the stand-alone devices of the P-Touch series we offer the cassette version and for desktop printers the thermal paper on roll.



## Stencil printer

The stencil printers can be used to quickly and easily create short-term stencils for electrolytic marking. These marking devices are particularly suitable for you if you want to mark frequently changing texts such as serial or batch numbers or just a few parts.

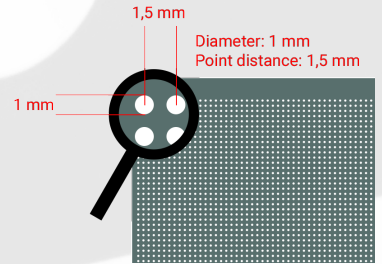


## Grid stencils

Raster templates are used for motion and deformation analysis of components. Thanks to the grid marking on components or metals and certain measuring devices, surfaces and internal structures can be measured and scanned. By measuring the grid marking, quality problems can be identified, analyzed and eliminated.

### Possible grids

- Scoring grid
- Circular grid
- Square grid
- Circle+Cross grid
- ...



### Variants

- Dots, circles, squares,...
- Filled or only with contour
- Different distances
- Sizes/diameter
- Format: DIN A4, A3,...
- Optional: Mounted on metal frame
- ...

## Number & letter stripes

We can also offer numbers and character stripes which are available as standard from A-Z, a-z, 0-9, . , - / . The stencil strips are firmly glued into a stencil cover. Different combinations of letters, numbers, special characters are possible as well. The strips are well suited for individual number or letter markings.



## VARIO system

The VARIO system is ideal for large letters, numbers and special characters from 30 mm font height. The exchangeable individual positions allow any variations you need. Thanks to the simple handling, the individual positions can be quickly exchanged.



## Stencil cover

This stencil protection serves as additional reinforcement, protection and frame or extension for our stencils.

The stencil is supplied firmly glued to the stencil cover so that it cannot come off during the marking process.



The stencil guard can also be supplied individually for self-adhesion.

## Cassettes

Cassettes provide a firm and tight hold of the felt and the conductive net on the marking head. This ensures easy handling. Cassettes are available in three different versions. The 1st version consists of the pure cassette and is ideally suited for manual marking. 2. version are cassettes incl. cassette protection. The cassette protection is glued onto the cassette. Here the EXEL template is inserted into the cassette and attached to the marking head. The stencil can be exchanged at any time. With the third 3rd version, the template is glued directly onto the cassette. The second and third versions are suitable for semi or fully automatic systems as well, beside manual marking.

## Combi stripes

With our combi stripes (or Combi digit stripes) you can mark for example any serial or drawing number or even a date electrolytically on your product. Numbers, letters, special characters or even a logo can be integrated so that different combinations are possible.

The sequence of the combination of numbers or letters can be adjusted by manually dragging the bands.

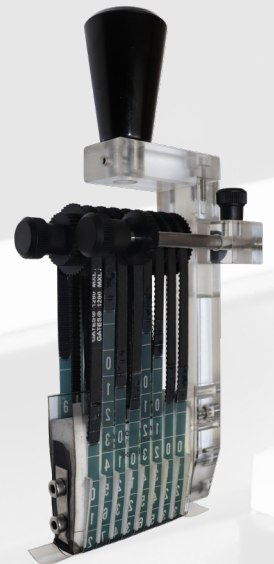


## Numerical marking stamps

With the ÖSTLING number marking stamp you got the perfect tool to use our combistripes.

Different numbers, letters, special characters or even a logo can be integrated. The sequence of the combination of numbers or letters can be set flexibly and easily using an adjustment wheel.

The number marking stamp is offered in standard versions with 6, 8, 10 and 12 digits. Character sizes are possible from 1-7 mm.



## Felt

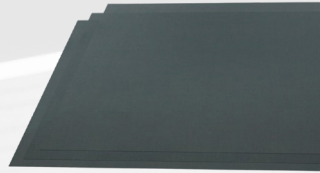
The felt serves as an electrolyte fluid carrier and for even distribution of the current. There are four different versions, black 46/F or 44/F and white 43/F. For most applications, 46/F and 44/F are the most suitable, as they conduct the current better and are more durable.



The white felt 43/F offers higher current resistance and is significantly thinner than the black felt 46/F and 44/F.

## Conductive net

The conductive net is a current-conducting fabric and in order to prevent the marking from burning into the felt and is necessary for electrolytic marking. The conductive net needs to be stretched over the felt on the marking head. It ensures an even distribution of current over the entire marking surface.



## Electrolyte and Neutralyte

From aluminium to zinc - we have the right electrolyte for every material. One of our strengths is our huge range of electrolytes, with which we can mark any electrically conductive material. Many of our electrolytes cover different materials, others are specially designed for one material.

After marking, the workpiece must be cleaned with a neutral agent to prevent corrosion. Corrosion-free electrolytes are also available for marking materials susceptible to corrosion; if these electrolytes are used, the workpiece does not have to be neutralised after marking.



## Marking heads

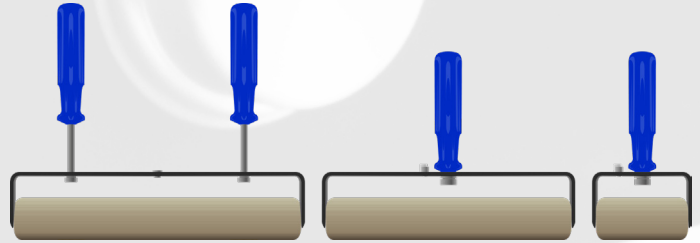
Marking heads are available in various designs, hand marking heads, marking heads for semi- or fully automatic electrolytic systems and special marking heads.



Marking heads consist of a graphite block, the corresponding holder for the machines or a handle, connection for the control and optionally a connection for the electrolyte supply. Special marking heads in desired sizes and shapes can be manufactured on request.

## Roller stamps

With our roller stamps large areas can be easily marked by hand. The roller function of the roller stamp can be compared to an ink roller. Roller stamps are available in various designs and sizes.



## Marking stick

With the ÖSTLING marking stick you can mark large up to XXL surfaces, e.g. barrels, silos, machines and much more easier and faster.

The new marking head of the ÖSTLING marking rod has an additional squeegee-like function and is specially designed for large-area marking. The electrolyte is therefore distributed more optimally.



## Custom-made products

On request it is possible to obtain almost all stencils, consumables and accessories in a special design tailored to your needs. Please contact our experts in the field of electrolytic marking.