

LASER ENGRAVING

PERMANENT MARKINGS

Aluminium parts are laser-marked for permanent traceability, for the application of logos and lettering and for the identification of controls.

BWB's marking processes are each incorporated into the surface in a scratch-resistant manner. Two different laser processes are available to the customer - laser engraving and black marking.



ADVANTAGES

- Permanent, precise marking
- Low material removal
- Easy identification of components

Maximum component sizes: 650 x 375 x 450 mm

PROCEDURES

Laser engraving

Anodised aluminium is marked by removing the top layer. Different depths of ablation are possible when engraving. Depending on the base material and surface process, shades from white to anthracite can be realised.

Black marking

The laser marks refined aluminium under the anodised layer. This intermediate layer is thermally modified during blackmarking acquiring a dark colour. The surface properties including the anodised layer remain intact.