

TENSE



INSTRUCTIONS:

1. According to your choice of product, select the **correct template**.
2. Encircle the **type of customization** on the top section of the template. [Laser engraving/Mechanical Engraving/Printing]
3. Encircle or fill in if/what **colour** is requested: [Engraving: Raw Material/Paint colour ; Printing: RAL colour]
4. Fill in the **font type & font size** which is used in the template.
5. **Amount and finish of switch**
6. In an applied program such as **illustrator** or **freehand** place the **text and or logo's** on top of the switch in the template. Make sure to use & mention the correct font and to only use vector logo's.
7. Send us the template for a check up. We will then send you the template back to collect the **client's data and signature** for an OK to proceed

Design -> check up by Tense -> check up by client -> Signature client -> Process starts

Please check the 2020_TENSE_Engraving_Printing_Procedure file for a detailed step by step guide.

SPECIFICATIONS:

file format: .eps, .ai, .pdf

colour info: -file with integrated colours
-black and white file with Pantone colour indications
CMYK/RGB codes are ok, but approximations

scale: 1:1

logo's: vectorial

fonts: when a special font is requested, please attach the font file to the procedure.

colours engraving: black, white, grey. Other colours on request.

Customizations

Would you like to **personalize** your **products** permanently with inscriptions, logos and/or symbols? All Tense finishes are suitable for **laser engraving, mechanical engraving and/or printing**.

In the past, manual engraving used to require patience and especially dexterity from the engraver-artist. Today however, engraving is done on an industrial scale exclusively with **computerized engraving** machines. Since then, all possible graphic patterns (texts, logos, figures and photos) have become "engraversable". Anything you can conjure up on your computer screen, can therefore also be permanently applied on the material surface.

Whereas **laser engraving** results in a **flatter end-result**, **mechanical engraving** has more **relief in the surface** and is thus ideal for Braille lettering.

MECHANICAL ENGRAVING

With mechanical engraving, **material is removed** from the material surface either by a **small rotating mill** or by **scratching** the surface with the aid of a **(rotating) diamond tip**. The crystallographic and chemical **properties** of the surface **remain unchanged**. The result of the alteration is a less or more **deep groove** or pattern. This technique is especially interesting to provide **permanent markings** on **metals or ceramics** (stone and glass), or for creating a relief in wood or corian. The **depth** of the engraving often **allows coloring** with a suitable paint afterwards.

LASER ENGRAVING

With laser engraving a **surface is briefly locally heated** by a focused laser beam. Depending on the material and parameters of the **laser beam**, this results in melting, local pulverization, burning or sublimation (immediate evaporation) of the material, and / or in a **change** in the crystallographic or chemical **properties** of a **very thin layer** on the **surface of the material**. Engraving by laser allows **detailed engravings** due to the strongly focused beam. The engraving will **hardly be tangible**, but the result will become visible as a **difference in color or contrast**. This result can sometimes only be achieved after a specific (pre-) treatment of the surface by applying a coating or a spray.

PRINTING

The switches are **printed** with **UV ink** after suitable pre-treatment. This printing is applied by a **digital printer** that uses the same principle as the ink jet we all know, with this difference that the ink is sprayed on the surface by 8 heads with special UV ink which is later on **dried through UV lamps**. Using this technique, nearly **all designs** can be created, in the **full color spectrum**.

The UV ink is highly **resistant to discolouration** due to sunlight. This guarantees a long-lasting, high quality of color intensity.

	PRINTING	LASER ENGRAVING	MECHANICAL ENGRAVING	NOT COLOURED	COLOURED**
ALUMINIUM	■		■		■
FORGED ALU	■		■		■
ALU BLACK	■	■		■	
FORGED ALU BLACK	■	■		■	
ALU DARK GREY	■	■		■	
FORGED ALU DARK GREY	■	■		■	
ALU WHITE	■	■		■	
ALU RAL SPECIAL	■	■		■	

BRONZE	■		■		■
FORGED BRONZE	■		■		■
BRONZE LIGHT	■		■		■
FORGED BRONZE LIGHT	■		■		■
CHROME	■	■			■*
STAINLESS STEEL	■	■			■*
FORGED STAINLESS STEEL	■	■			■*
FORGED STEEL	■		■		■

BRUSHED GOLD	■		■		■
FORGED GOLD	■		■		■
BRUSHED COPPER ROSE	■				
FORGED COPPER ROSE	■				

GLASS WHITE		■**			■
GLASS BLACK		■**			■
GLASS SILVER		■**			■
GLASS GOLD		■**			■

CORIAN WHITE	■	■		■	■
CORIAN BLACK	■	■		■	■
CORIAN CARREA WHITE					
CORIAN LINEA WHITE					
CORIAN ORGANICA WHITE					
CORIAN RHONDA WHITE					
CORIAN CLAUDA WHITE					
CORIAN RAL					

* BLACK ONLY

** ON BACKSIDE OF MATERIAL

*** BLACK, WHITE, GREY ONLY; OTHER COLOURS ON REQUEST

	PRINTING	LASER ENGRAVING	MECHANICAL ENGRAVING	NOT COLOURED	COLOURED**
STONE BELGIAN BLUE	■	■		■	
STONE FRENCH WHITE	■	■		■	
STONE CARRARA BIANCO MARBLE	■	■		■	
STONE CEPPO DI GRES LIMESTONE	■	■		■	
STONE CALACATTA MARBLE	■	■		■	
STONE EMPERADOR GREY MARBLE	■	■		■	
STONE EMPERADOR MARRON MARBLE	■	■		■	
STONE OAK GREY MARBLE	■	■		■	

WOOD AFRORMOSIA	■	■		■	
WOOD ASH	■	■		■	
WOOD OAK COTTON WHITE	■	■		■	
WOOD OAK DARK	■	■		■	
WOOD OAK PURA NATURA	■	■		■	
WOOD PADOUK	■	■		■	
WOOD WALNUT	■	■		■	
WOOD WENGE	■	■		■	

PAINTABLE					
WALLPAPER					
INVISIBLE					