

Hot Stamping: a short introduction

How are labels made magnificent?



KURZ Group – From a Graphic Perspective



KURZ Foils for the Graphic Industry

LUXOR®/ALUFIN®

Aluminium metallized foils

LIGHT LINE®

Diffraction endless patterns & laser foils
Aluminium metallized

COLORIT®

Matt pigmented foils

EXTRAORDINARI

New Color trends

General Foil Finishing



Hot stamping foils
Colours and designs

Hot Stamping

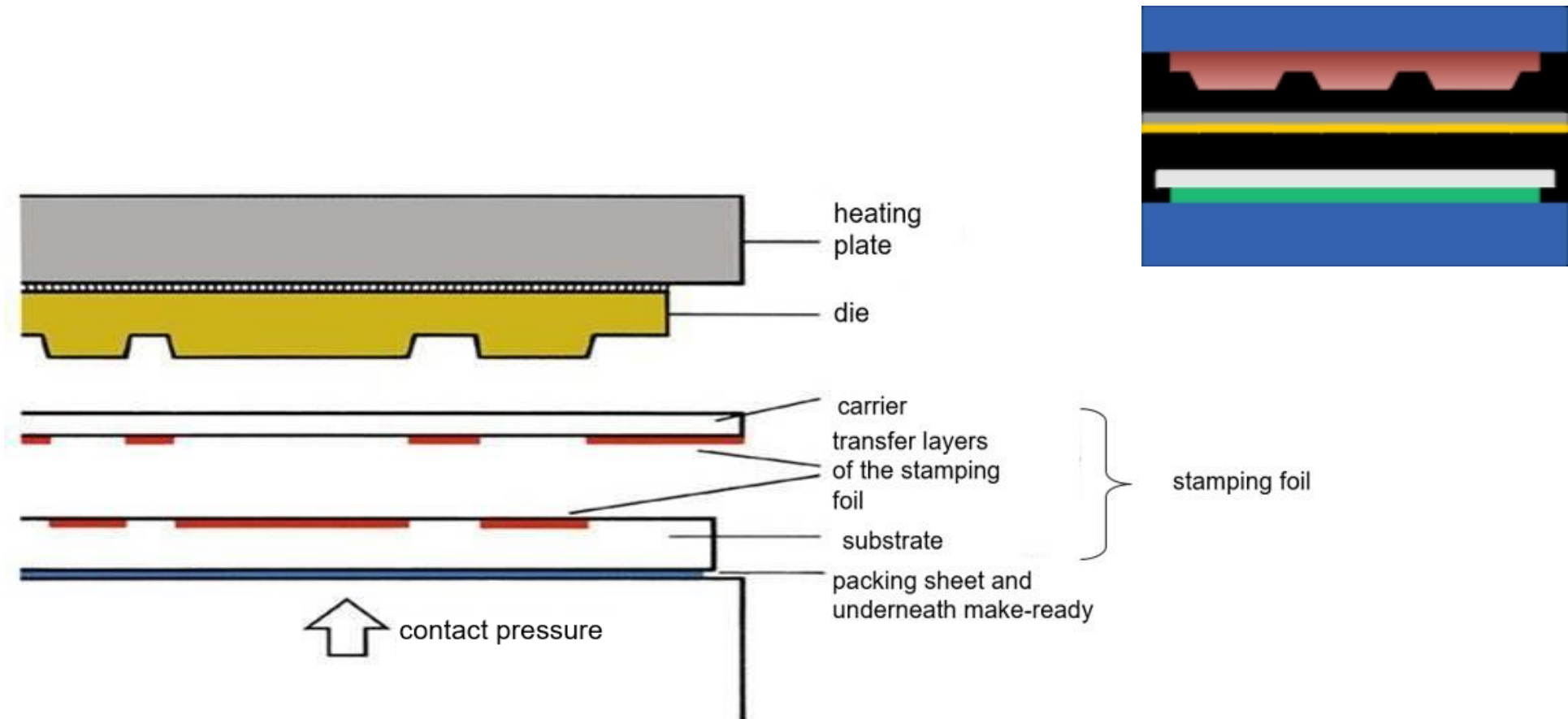
Hot Stamping Variations

- Flat Stamping
- Relief Stamping
- Structured Stamping
- Combined Stamping

Flat Stamping

- Most common form of hot stamping
- Optical active layer lying flatly on the substrate, only minimally lower, depending on the pressure
- On very thin paper the stamped structure can be visible on the backside

Decoration Hot Stamping – Flat Stamping



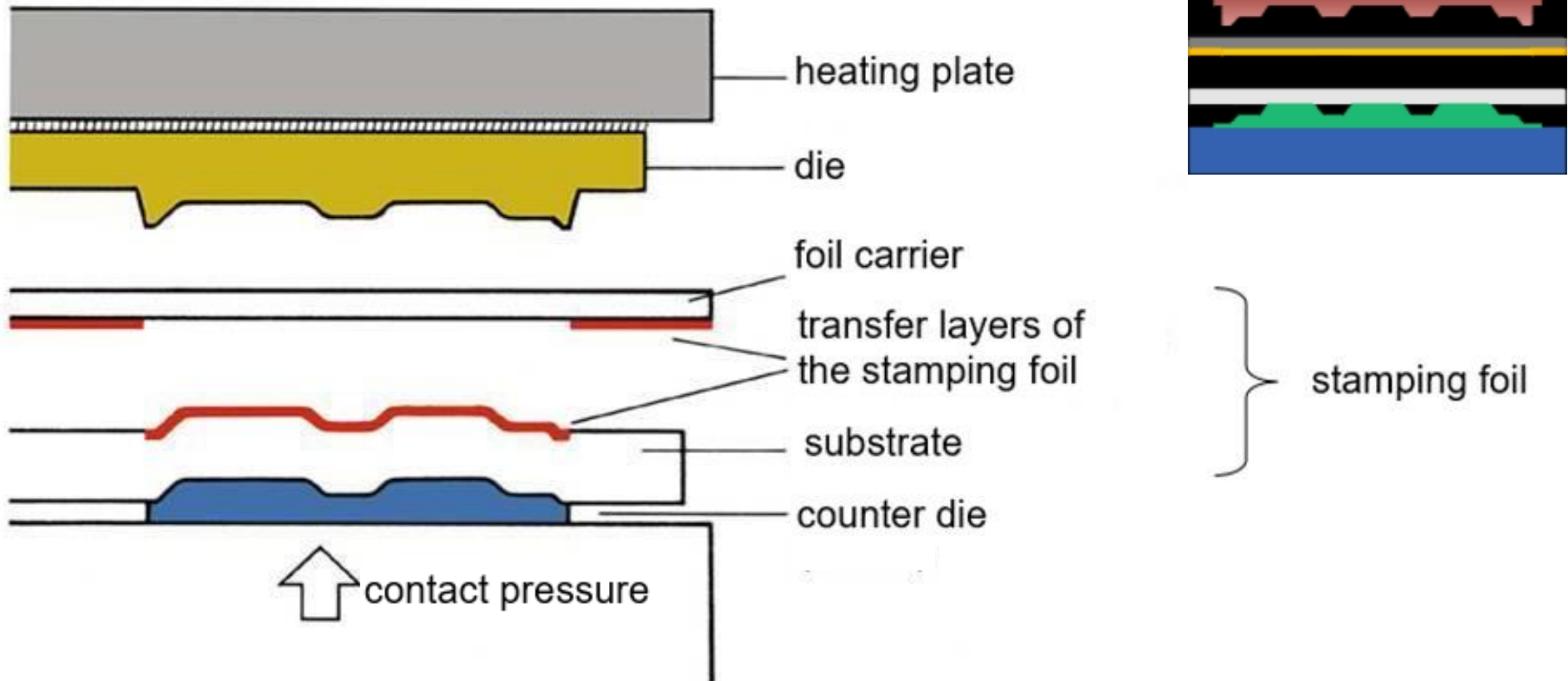
General Foil Finishing



Relief Stamping

- 3D Hot stamping
- Tactile effect
- Contrast and gloss effects of the foil are represented
- Detail rich reliefs, light and dark effects
- Single pass relief stamping
- Double pass relief stamping

Decoration Hot Stamping - Relief



General Foil Finishing

Hot stamping:
Relief

General Foil Finishing



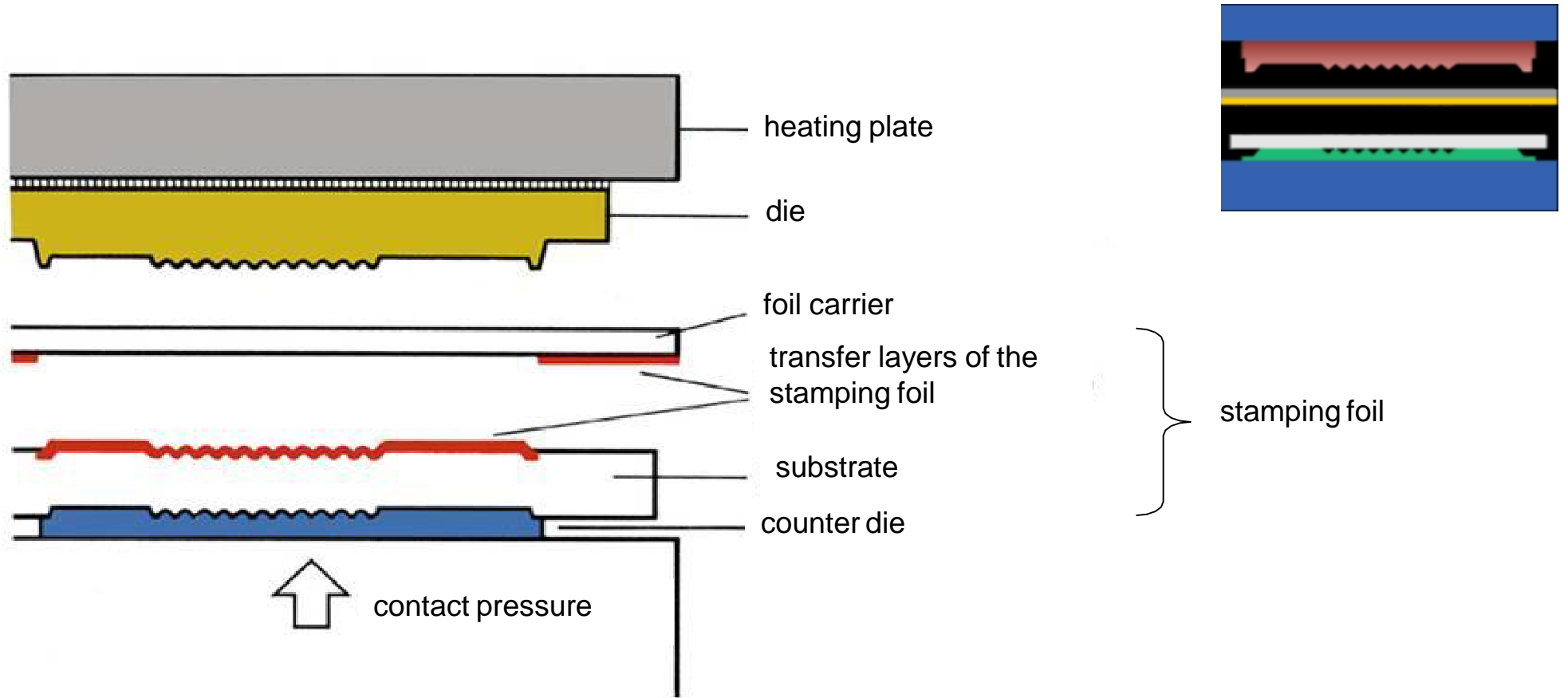
General Foil Finishing



Structured Stamping / Micro Embossing

- Most diverse reflections are possible
- Structured stampings often show raised and recessed flat images → high gloss
- Contain also dimmed gloss elements → matt/ gloss effects
- Possibilities to develop very fine structures, but also linear and ornamental structures

Decoration Hot Stamping - Structured



General Foil Finishing

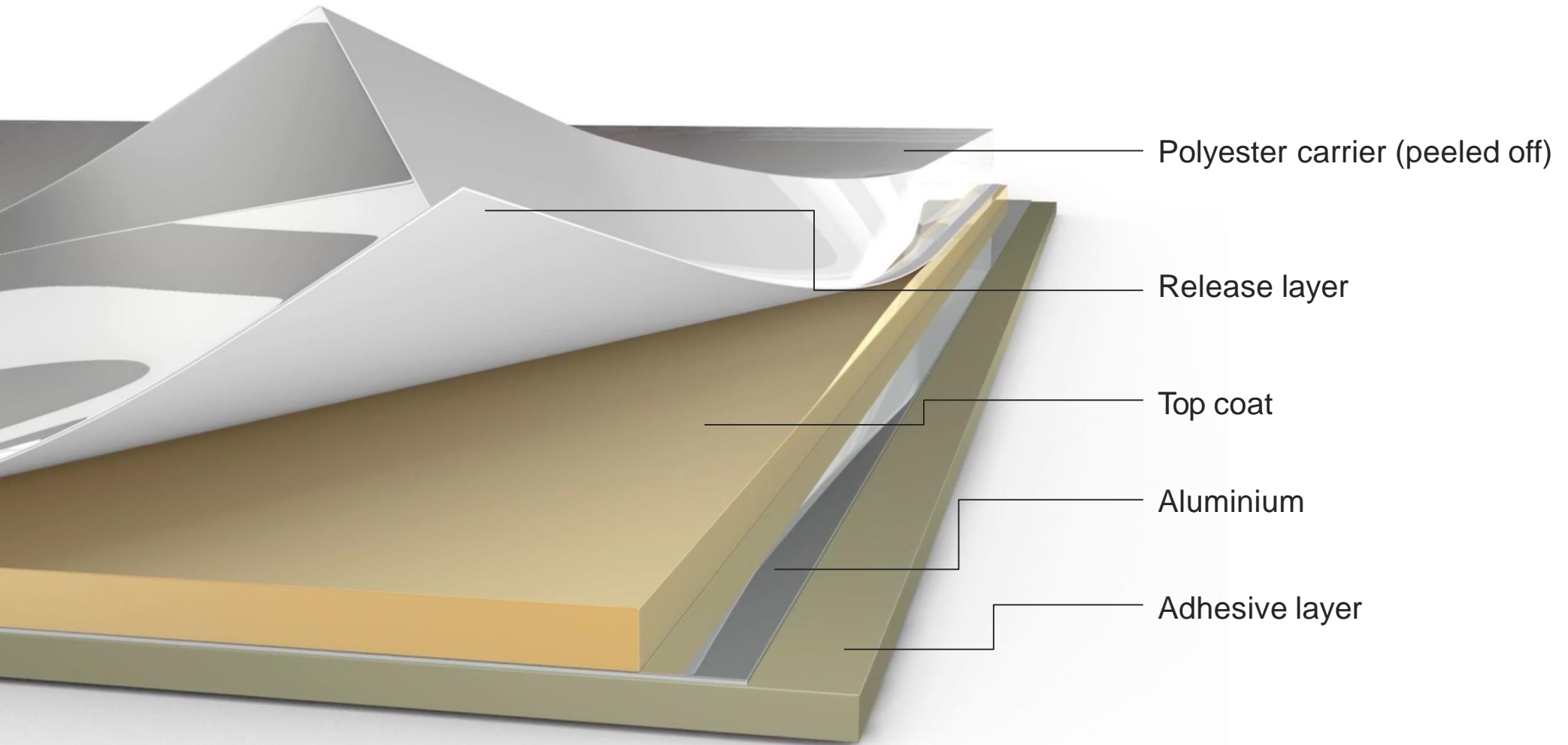


General Foil Finishing



Foil Structure

Foil Structure and Functions of the Layers



Foil Structure and Functions of the Layers

Functions of the individual foil layers

→ Total thickness of all layers 1.5 to 3 g/m² ≈ 1.5 to 3 μm