



ZELLER + GMELIN

SBU Narrow Web

Sales Conference 2025

Niklas Hamacher

EXPERTLY DONE.



ZELLER+GMELIN

Narrow Web

The current portfolio UVAFLEX inks

2025

2026



Y80

FCM Y81

LED Y580

LED FCM Y581

The current portfolio UVAFLEX inks

2025

2026



Y80
FCM Y81
LED Y580
LED FCM Y581

UVAFlex® LED FCM

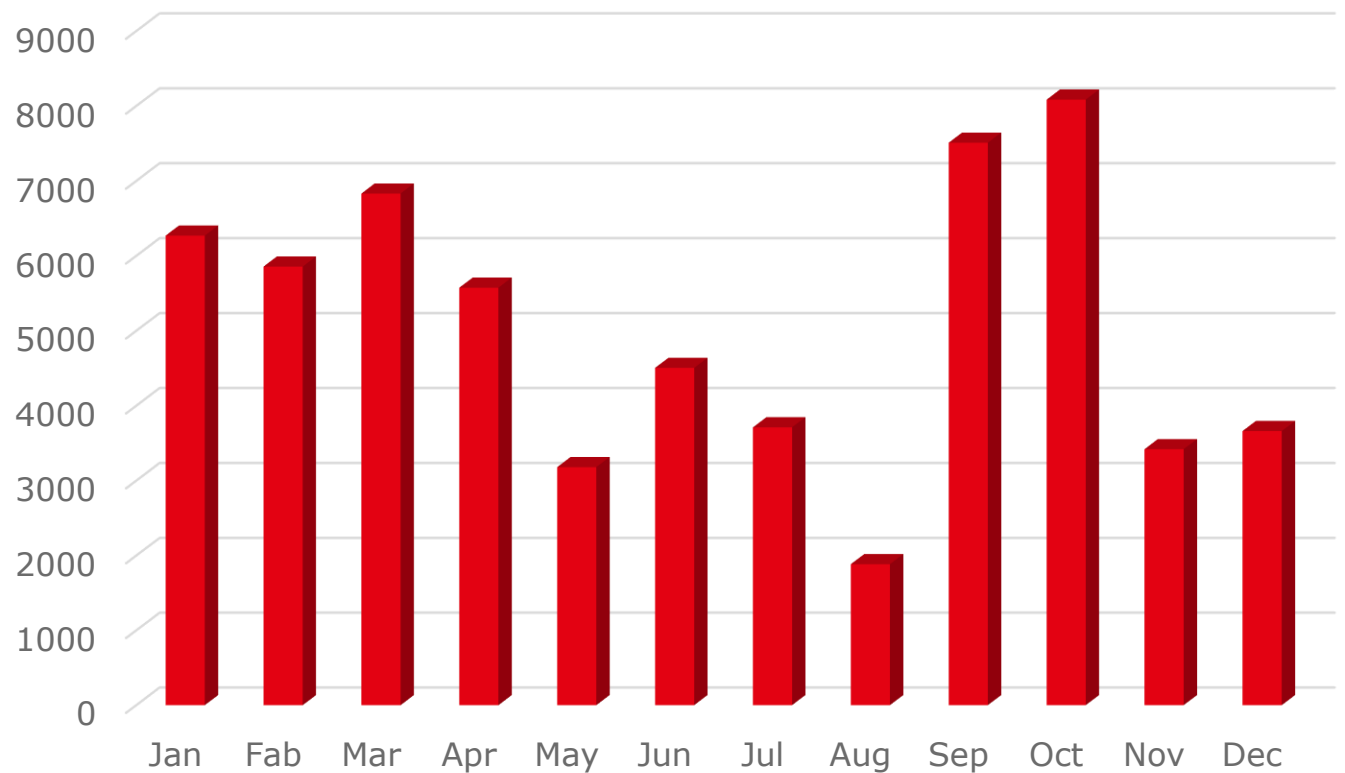
YES 81

EXPERTLY DONE.

Current situation of UVAFlex® LED FCM Y581

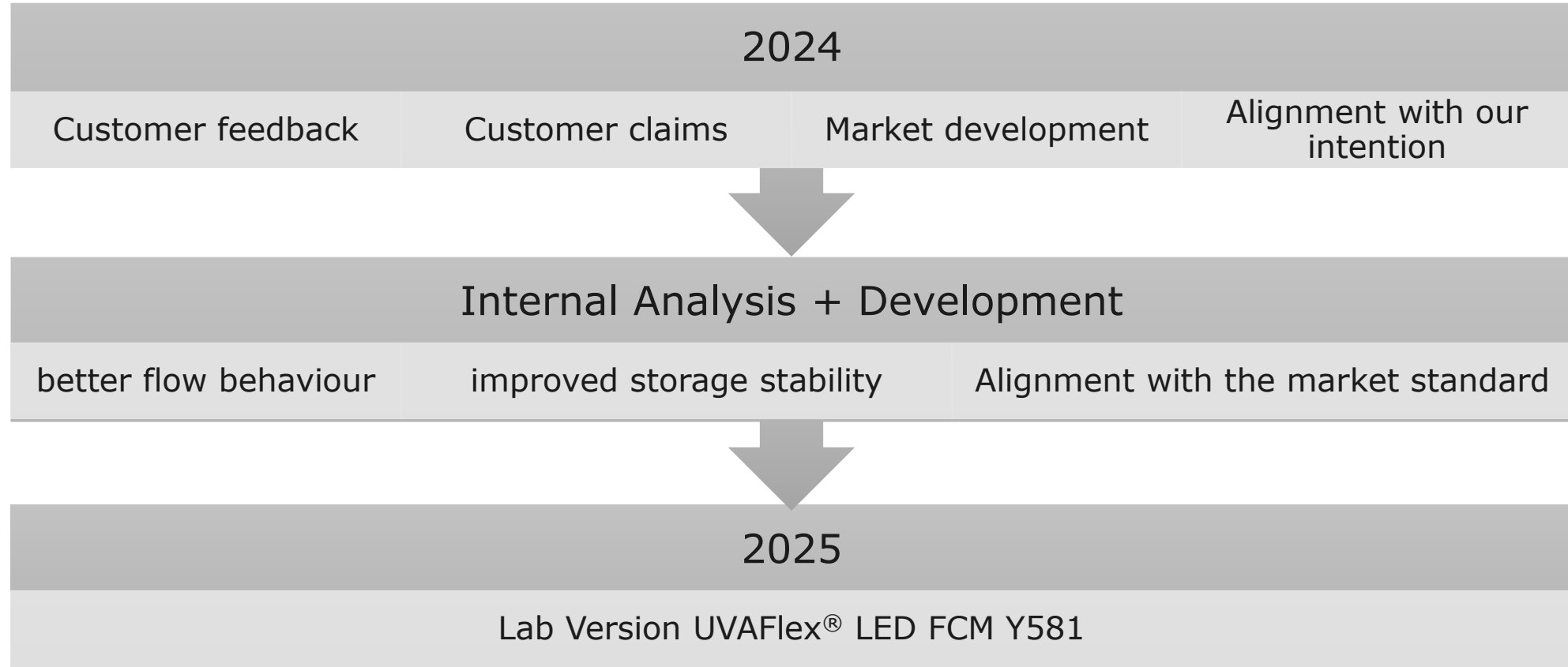
- + Introduced in March 2023
- + 60 t sold in 2024
- + Customer claims regarding viscosity and shelf life
- + In 2025 23,1 t have been sold

Quantity sold per month



Created on February 26th 2025

Ongoing process



New version L-Y581S

The first external trials:

- + Press: OMET, MPS, Gallus
- + L-Y581S110001 Yellow
- + L-Y581S120001 Magenta
- + L-Y581S130002 Cyan
- + L-Y581S140001 Black

- + In addition
 - + L-Y581S110101 (reddish yellow)
 - + L-Y581S120101 (bluish magenta)



The new sleeve white L-Y581X5545501

Customer scenario:

- + produced on a UV offset machine sleeves
- + Changeover to a MPS 530 flexo press (8 PU)
- + Klöckner Pentaplast PET G 45 µm
- + Trial with: L3-Y581X55455 – no sufficient result
- + **Solution: L-Y581X5545501**
 - + Apex GTT L, 140 m/min, Corona 2000 watt



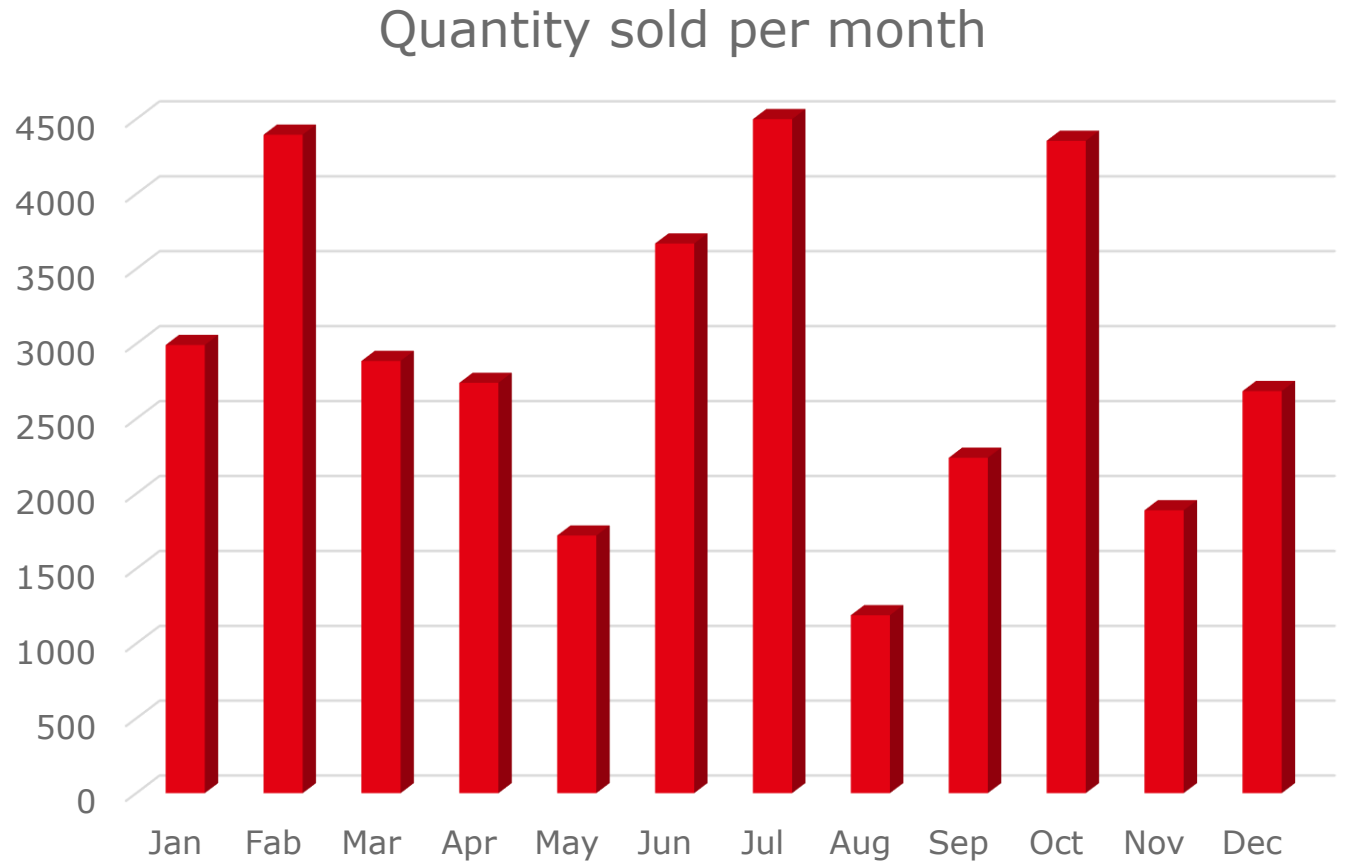
UVAFlex® LED

Y5880

EXPERTLY DONE.

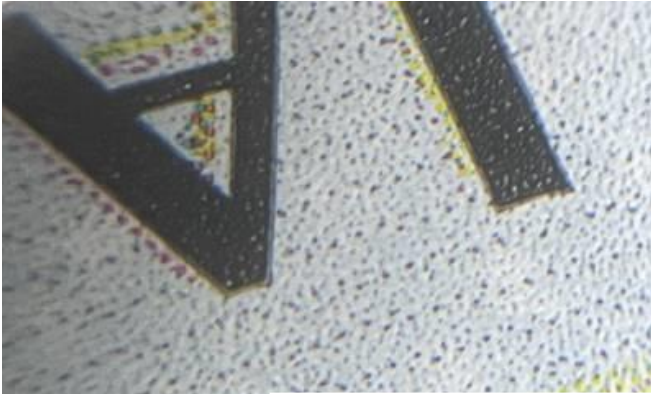
Current situation of UVAFlex® LED Y580

- + Introduced in September 2023
- + 35 t sold in 2024
- + In 2025 10,1 t have been sold



Created on February 26th 2025

Problems with overprinting



- + Y580-X55401
- + Problems occurred in March 2024
 - + Difference in curing with LED UV and UV

Solution:

- + L-Y580X5540101
- + Adaptation of the ZG test method
- + Formulation converted in February

Global Flexo Team

NW

Global Flexo Team Meetings

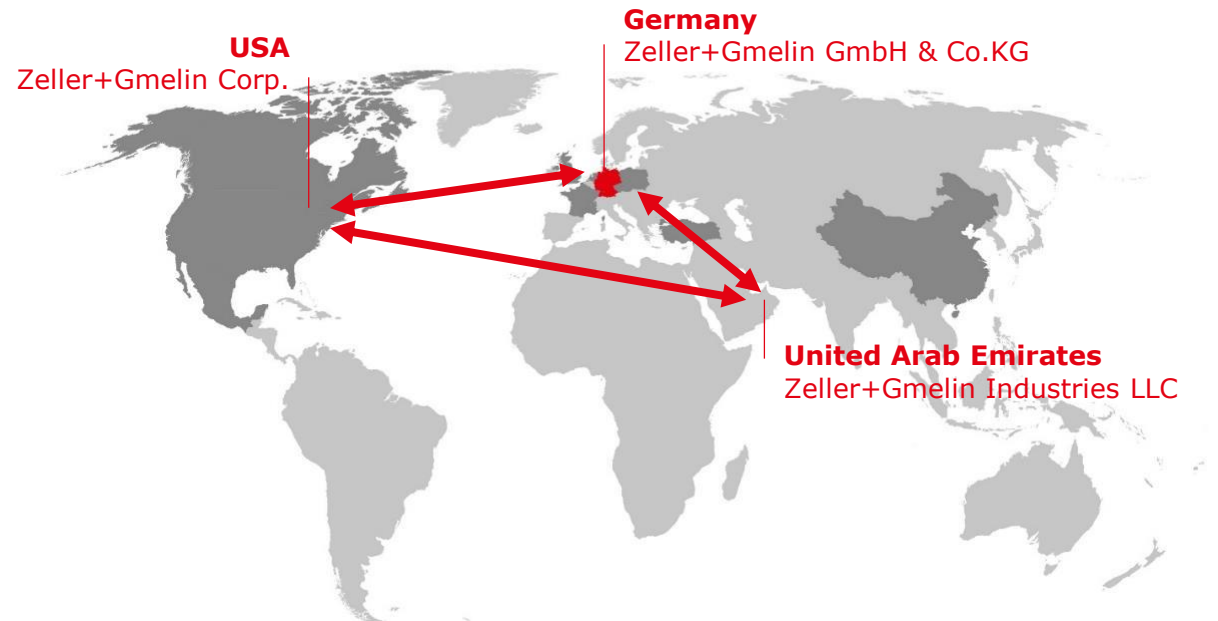
- + Since 31.07.24
- + Target of the group:
 - + Exchange between production sites
 - + Global flexo project

Project:

- + “generic white as a door opener”
- + Exchange knowledge about formulations and raw materials

Current activities:

- + Analysation of each others products
 - + 3 Whites (standard, sleeve and LED)



LED Flexo inks on cups – for the Canadian and American market



- + Enquiry from Erik Jacob (US PM Narrow Web)
- + Machine approval at OMSO
- + Series 11 opaque white did not provide the required adhesion
- + Press: OMSO Servocup with LED FL400 Phoseon



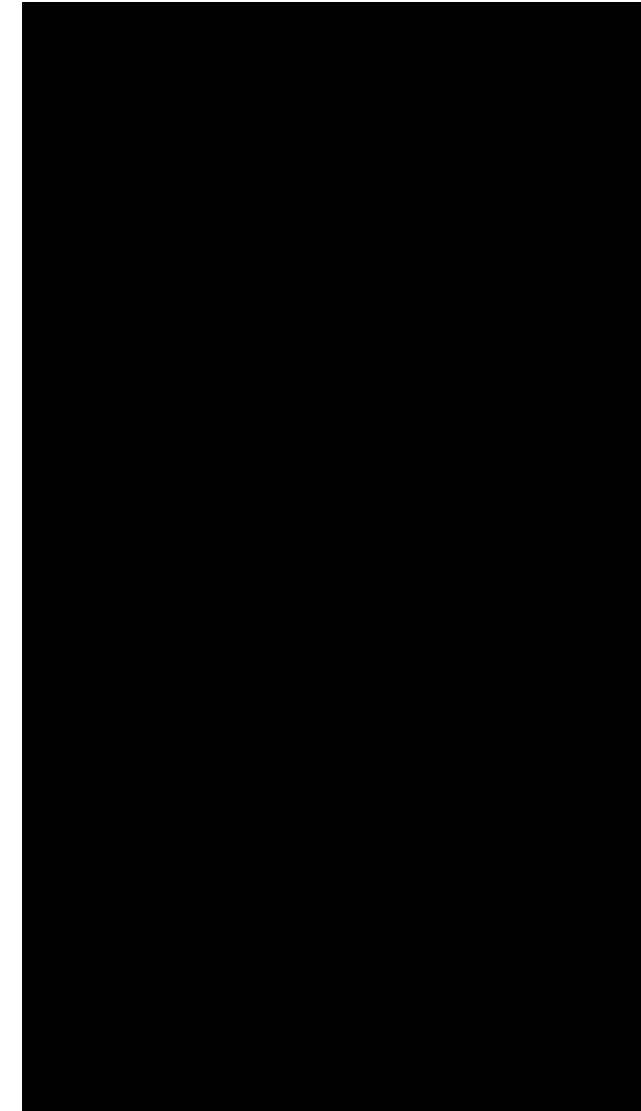
The solution

- + Check the UV dose
- + Check of the surface tension
- + 15 trials with different product combinations
 - + US and German Products

Solution:

Opaque White + 15% Extender + 5% Primer

+ the right processing temperature



Information on flexo cold foil adhesives

Process	Curing	Formul.	Tinting	Sales Code	Lab. Ref.	Old Product
Offset	Conv	Std.	Yellow	OL-8CY32		O0832
Offset	Conv	Std.	Grey	OL-8CK33		O0833
Offset	Conv	FCM	Transparent	OL-8CT36FCM		O0836FCM
Offset	Conv	FCM	Yellow	OL-8CY35FCM		O0835FCM
Offset	Conv	FCM	Orange	OL-8CO37FCM		O0837FCM
Offset	Conv	FCM	Grey	OL-8CK34FCM		O0834FCM
Offset	UV-HG	Std.	Transparent	UL-8CT31		U0821
Offset	UV-HG	Std.	Yellow	UL-8CY31		U0830
Offset	UV-HG	Std.	Grey	UL-8CK31		U0831
Offset	UV-HG	Std.	Grey	--		U0832
Offset	UV-HG	Std.	Grey	--		U0833
Offset	UV-LED	Std.	Yellow	--		U0850
Offset	UV-LED	Std.	Grey	(LU-8CK51)	L-LU8CK0101	U0851
Offset	UV-LED	FCM	Transparent	LU-8CT51FCM	L-LU8CT01FCM01	U0821LM
Offset	UV-LED	FCM	Yellow	LU-8CY51FCM	L3-U08501FCM	U0830LM
Offset	UV-LED	FCM	Grey	LU-8CK51FCM	L2-U08513FCM	U0831LM
Offset	UV-LED	FCM	Grey	--		U0851FCM
Flexo	UV-HG	Std.	Transparent	(YL-8CT42)		U0842
Flexo	UV-HG	FCM	Transparent	(YL-8CT42FCM)		U0842LM
Flexo	UV-LED	FCM	Transparent		L-LY8CT01FCM01	LY-8CT01FCM



**Thank you
for your attention!**