



ZELLER+GMELIN

Close the gap in Narrow Web

SBU Narrow Web

Niklas Hamacher

EXPERTLY DONE.

Introduction

- + Niklas Hamacher
- + Born 16.10.1997 in Stuttgart
- + Apprenticeship in Media Arts Graphic (2016-2019)
- + Studies Print Media Technology at Hochschule der Medien (2019-2023)
 - + Internship 2021/2022 at Zeller+Gmelin
 - + Thesis in collaboration with Zeller+Gmelin (2023)
- + Since October 2023 at Zeller+Gmelin



Since the last Sales Meeting

March 2023

Introduction of the
UVAFlex® LED FCM Y581
at the Sales Meeting



September 2023

Introduction of the
UVAFlex® LED Y580
at Labelexpo 2023
in Brussels



11 - 14 September • Brussels
LABELXPO
EUROPE 2023
www.labelexpo-europe.com

December 2023

Introduction of the Metallics
for the LED ink series
UVAFlex® LED Y580
UVAFlex® LED FCM Y581

Since April

Expansion of the LED laquer portfolio
(LED FCM and non FCM products)



January 2024

The Flexo Print Lab
turns one year old



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Narrow Web

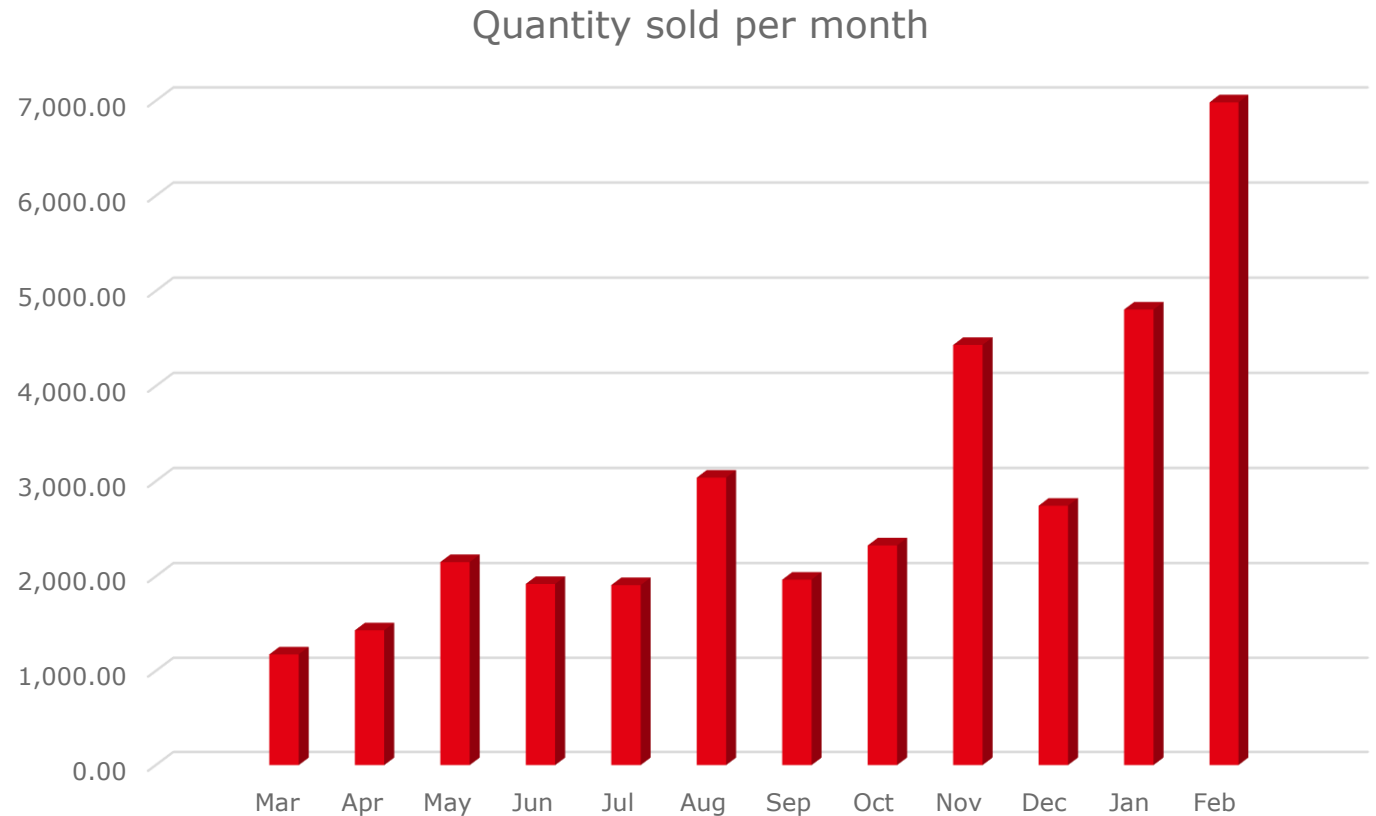
UVAFlex® LED FCM

YES 81

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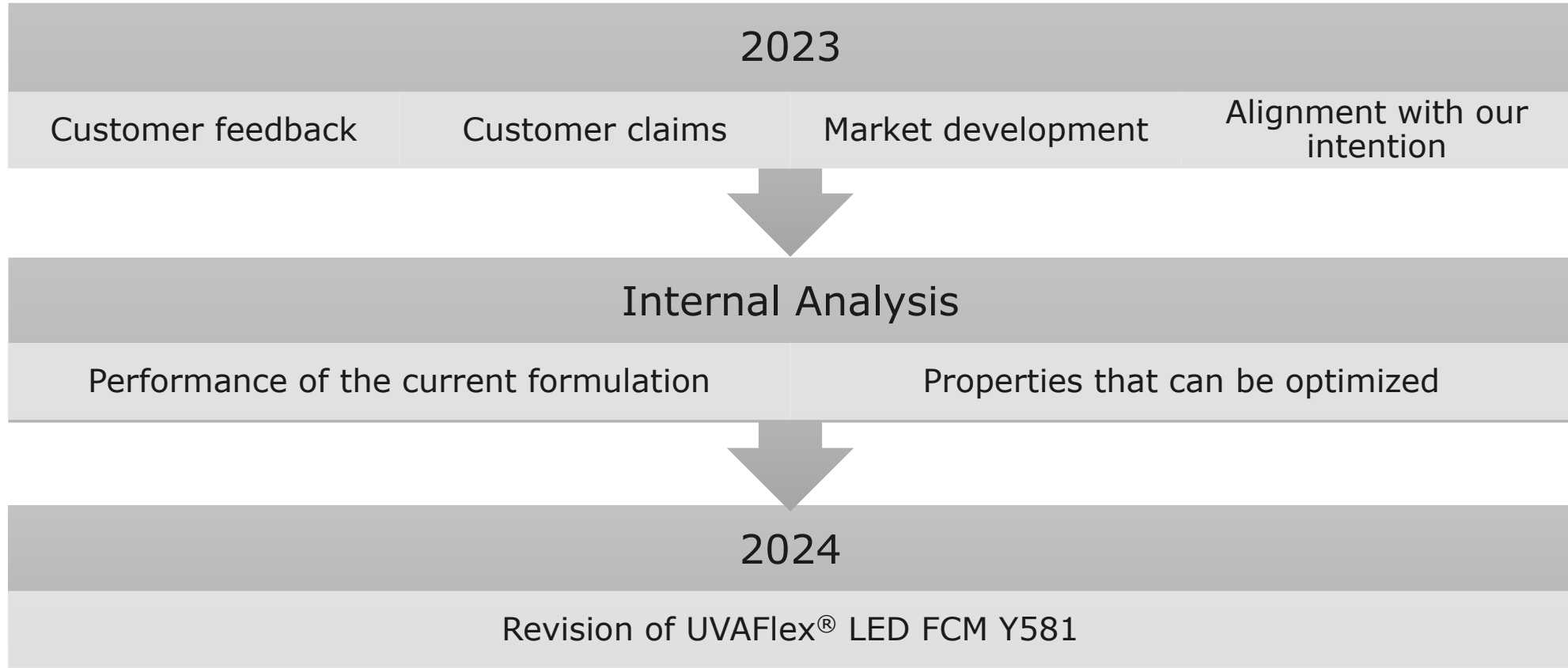
Current situation of UVAFlex® LED FCM Y581

- + Introduced in March 2023
- + 25 t produced in 2023
- + Customer claims
 - + Development of the GSE-Version
- + In 2024 11,7 t have been sold



Created on February 29th 2024

Ongoing process



UVAFlex® LED

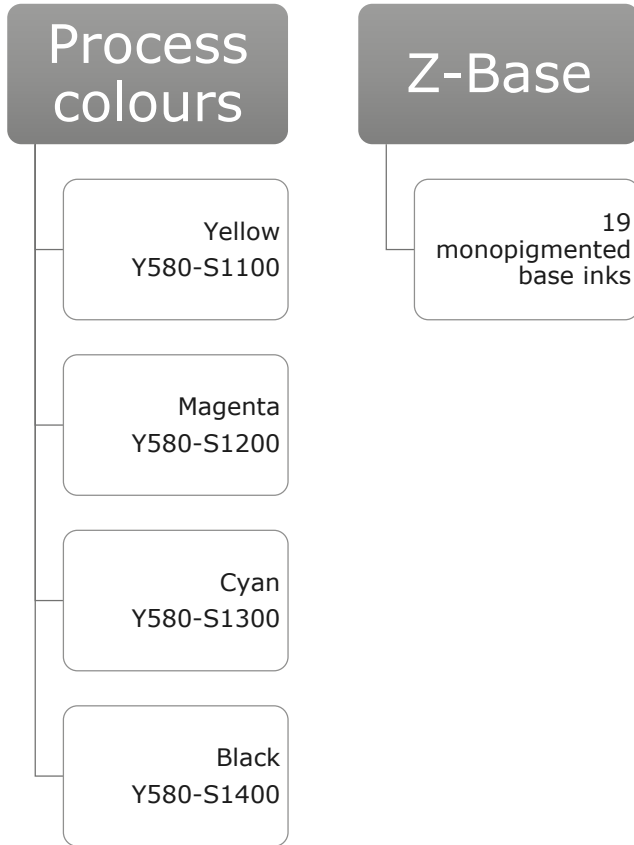
Y5880

EXPERTLY DONE.

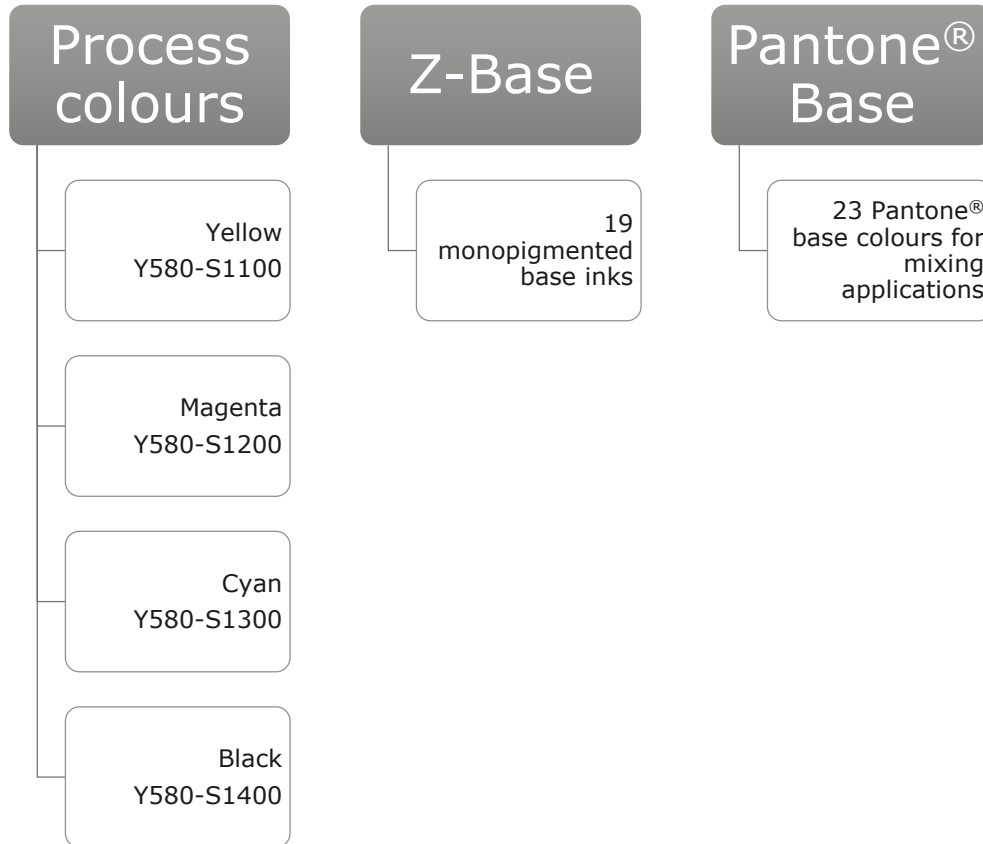
UVAFlex® LED Y580 – a complete ink series



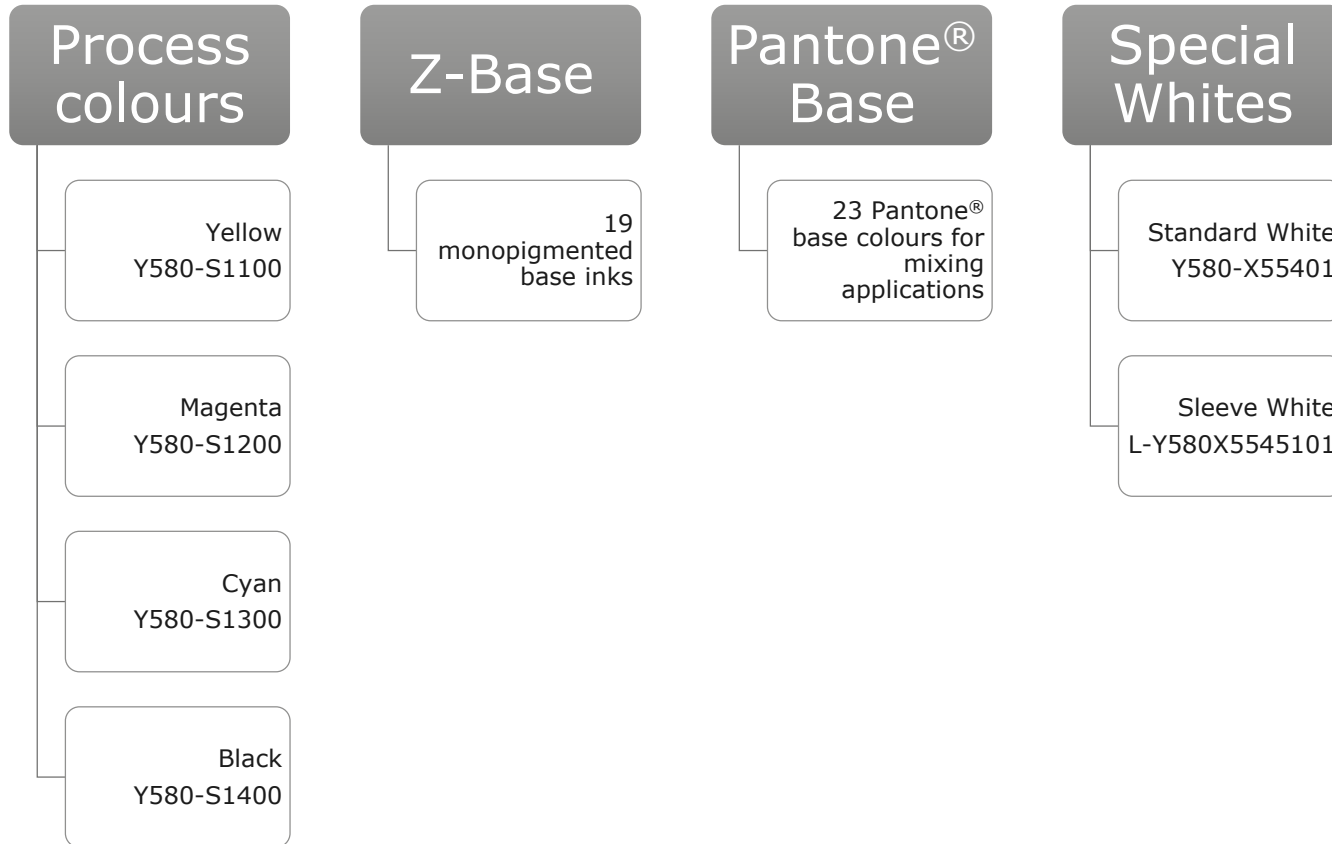
UVAFlex® LED Y580 – a complete ink series



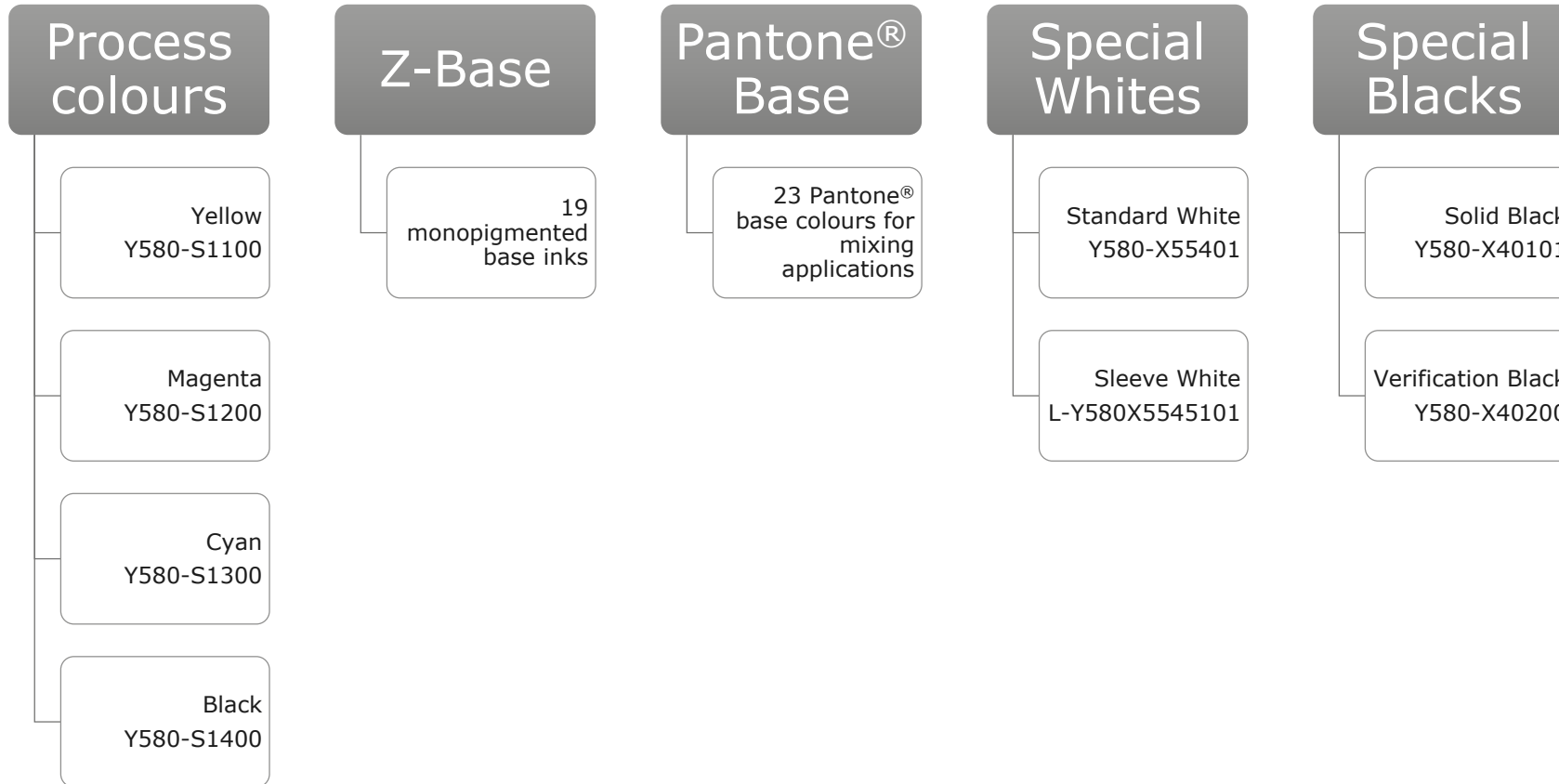
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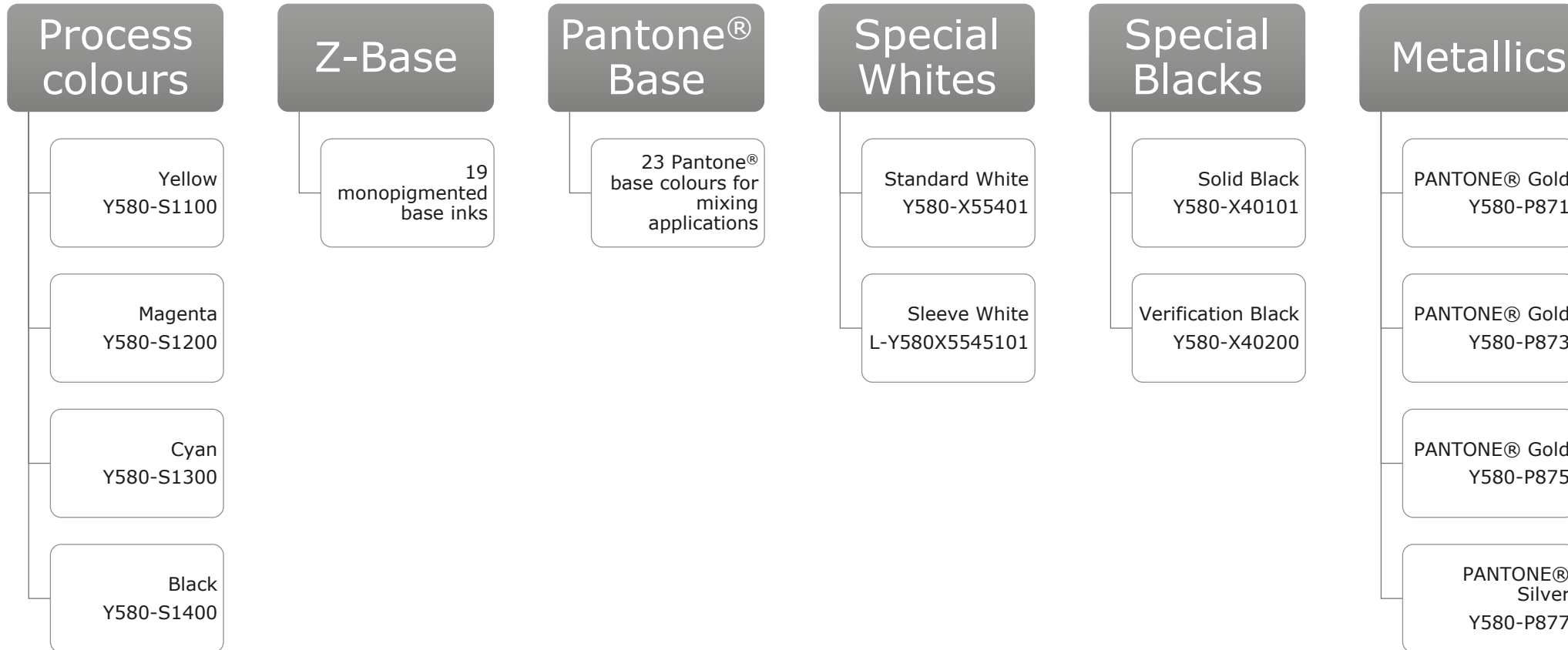
UVAFlex® LED Y580 – a complete ink series



UVAFlex® LED Y580 – a complete ink series

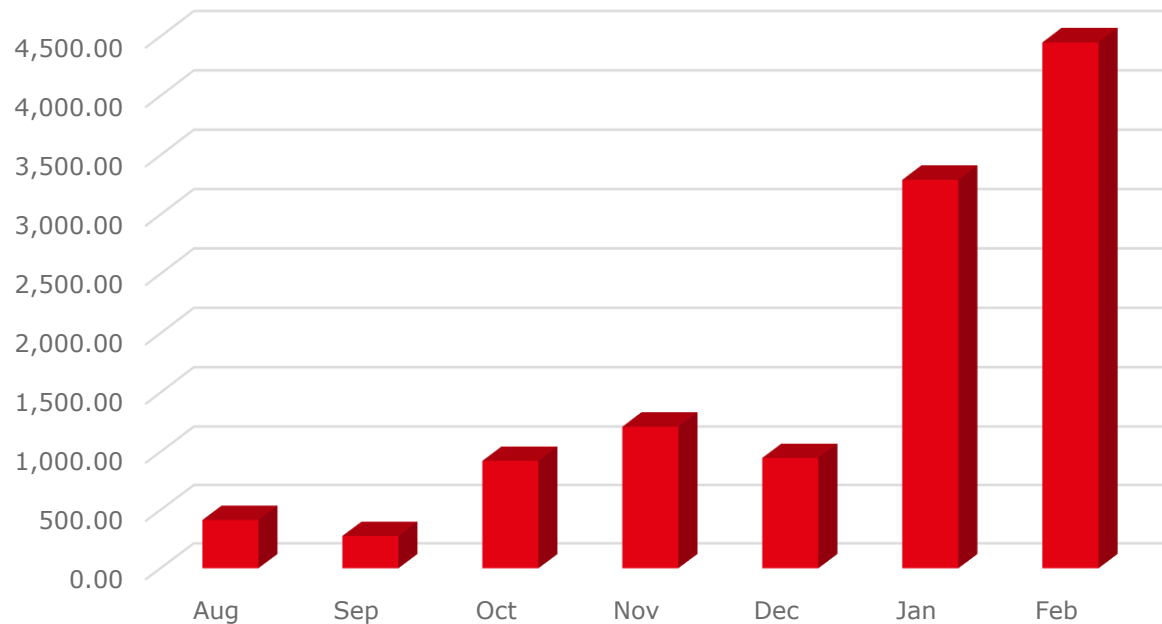


UVAFlex® LED Y580 – a complete ink series



Half a year of UVAFlex® LED Y580

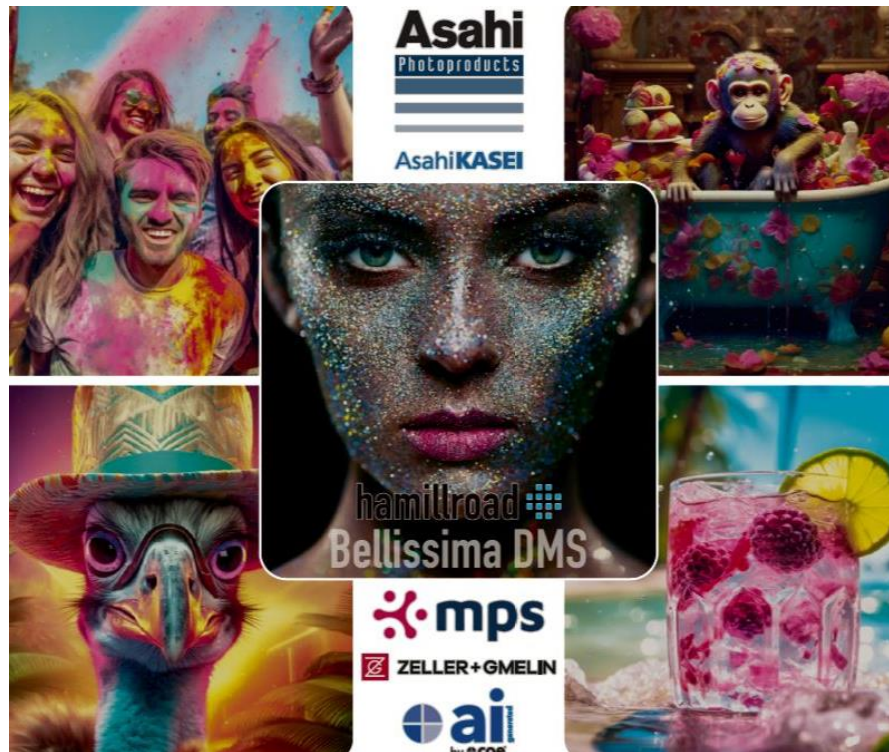
Quantity sold per month



Created on February 29th 2024

- + Introduced in September at the Labelexpo 2023 in Brussels
- + 3,2 t sold in 2023
- + 7,5 t sold in January and February

7c with UVAFlex® LED Y580



Press:	MPS 580 EF	
LED:	GEW AeroLED 100%	
Substrate:	Fasson Shrink PVC CL IS-50HS	
Anilox:	Apex GTT	
Inks:	UVAFLEX Y580 – Y81	
Corona:	2000 W	
Speed:	70 m/min	
Print sequence		
Unit 1	Y580-S1400	GTT XS
Unit 2	Y580-S1300	GTT S
Unit 3	Y580-S1200	GTT XS
Unit 4	Y580-S1100	GTT XS
Unit 5	Y580-ZVN01SR	GTT C5
Unit 6	Y580-ZON01R	GTT C7
Unit 7	Y580-ZGN01SR	GTT C5
Unit 8	Y81-X55051	GTT XL

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**UVAFlex® LED Adhesives,
Coatings and Lacquers**

LED Coatings and Adhesives



Already in the portfolio

- + LY-7G100FCM and LY-7G100
- + LY-7M100FCM and LY-7M100
- + LY-8CT01FCM

Currently in test phase

- + L3-LY4G2000 IML
- + L3-LY6R001FCM
- + L3-LY6R002FCM

Linerless Labels



What is linerless labeling technology

- + A pre-printed pressure sensitive label without backing paper
- + Silicon areas on the front and adhesive strips in the back

Advantages

- + Double the surface print area (due to absence of the liner)
- + More space for marketing mechanics and product information
- + Can be applied fully automated
- + Up to 40% more labels per roll
- + Materials up to 300 gsm including film and water resistant materials can be used

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Application of linerless labels



The influence of ZG UK

- + Together with Coveris ZG varnishes were tested
 - + YL-7G106FCM
 - + YL-7M105FCM
- + Further test together with Ravenwood
 - + Zeller+Gmelin is now listed as an approved supplier.
 - + Volume up to 50 t per year

Alternative for the E005-container



E005 bucket

Lid: 171g

Bucket: 328g

Total: 499g



Alternative bucket

Lid: 153g

Bucket: 264g

Total: 417g

Advantages of the alternative bucket

- + Less weight
- + Black outlet
- + Reclosable

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Calculation of the impact

- + 130.233 Buckets sold in 2023
- + 82g of weight reduction per bucket
- + Reduction of up to 10,6t of plastic waste

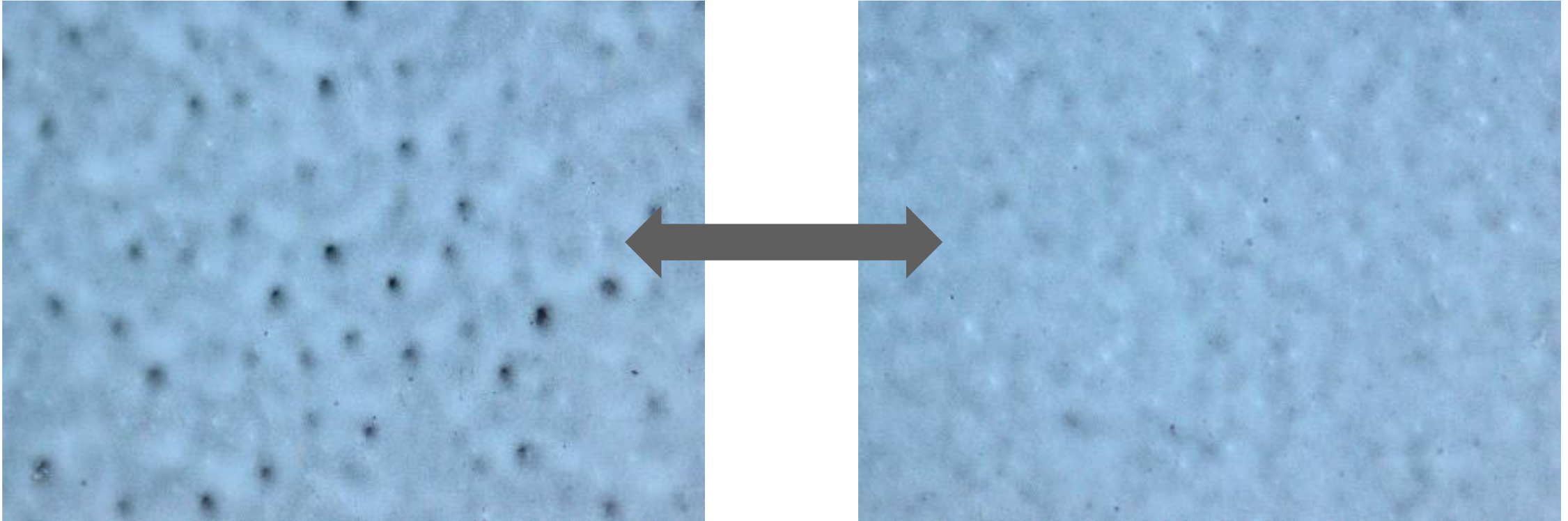
One year Flexo Print Lab



Equipment Update

- + New fountain roller
 - + Better ink transfer to the anilox
- + Wider range of anilox rollers
 - + 2,7 cm³/m² of scoop volume – 400 l/cm
 - + 4,4 cm³/m² of scoop volume – 320 l/cm
 - + 6,1 cm³/m² of scoop volume – 240 l/cm
 - + 8 cm³/m² of scoop volume – 280 l/cm
 - + 10 cm³/m² of scoop volume – 160 l/cm
 - + 12,9 cm³/m² of scoop volume – 120 l/cm
- + Specific varnish roller
 - + AC-EL 600

A place for exchange and testing



(L1-Y80-X55001 / print speed 120 m/min / 12,9 cm³/m² of scoop volume / 60 W/m²/min corona pretreatment)

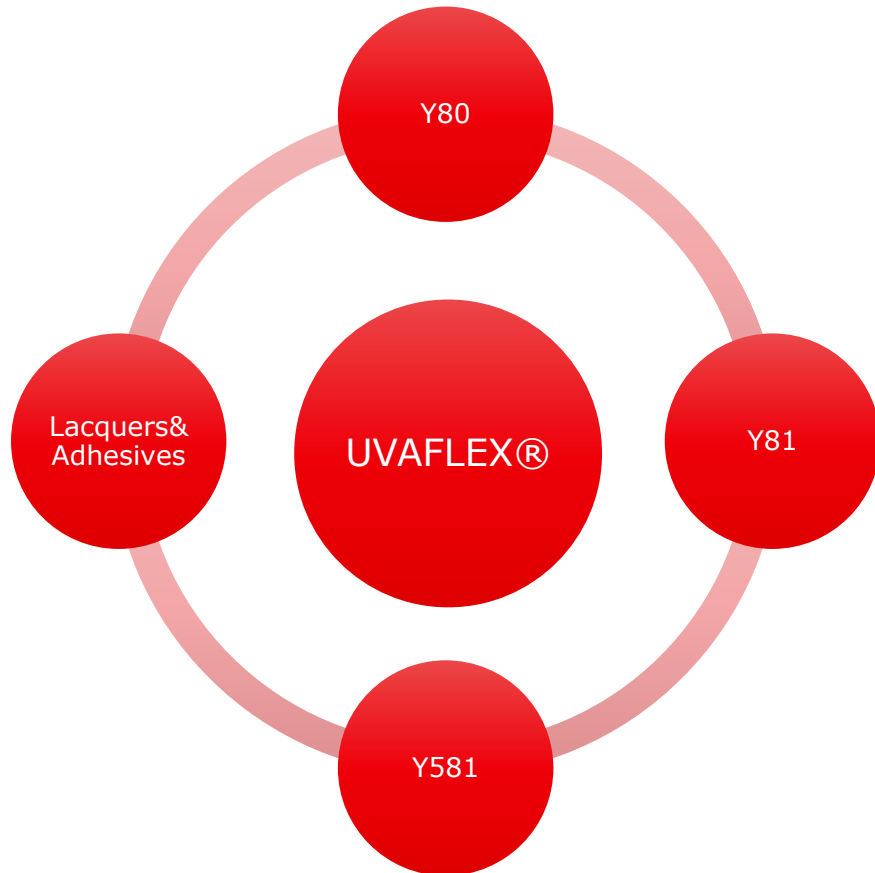
A place for exchange and testing

Current projects

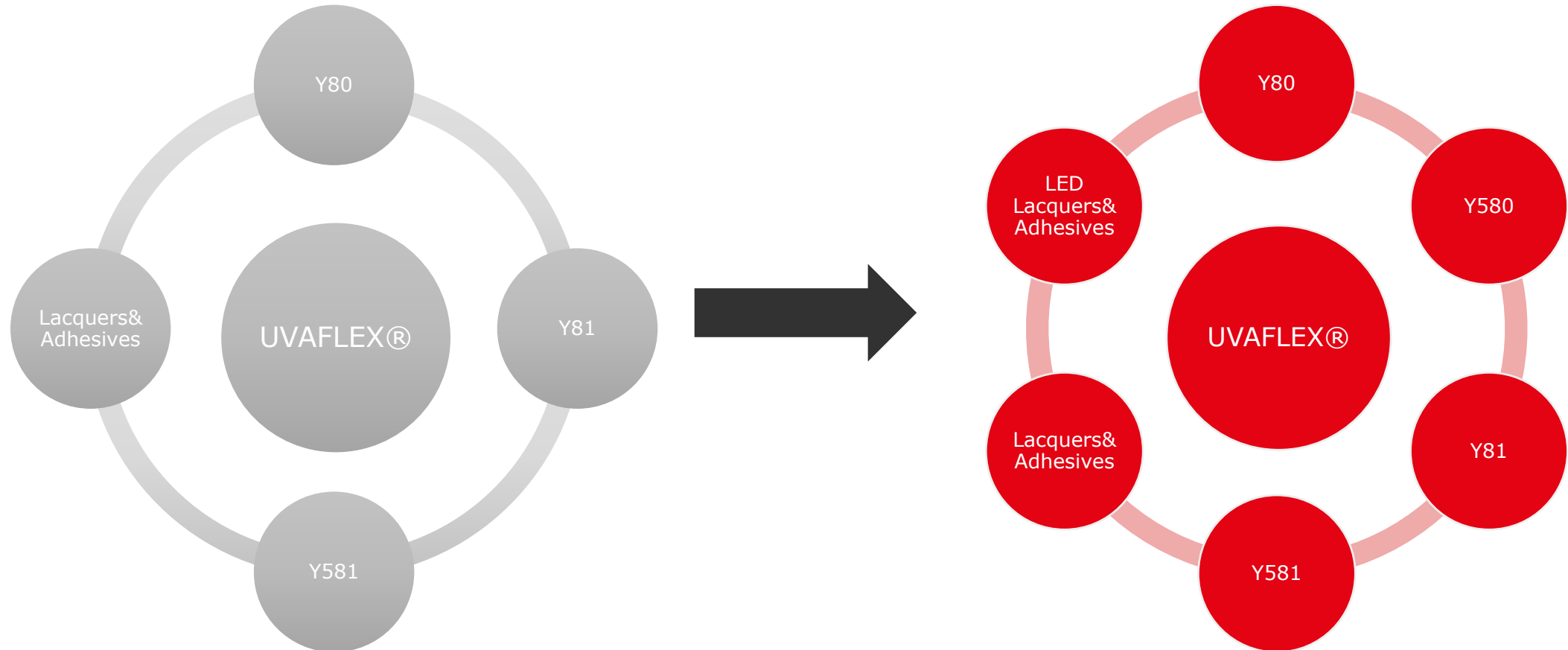
- + Test of different plates
 - + Preparation for the workshop
 - + Print trial with XSYS
-
- + Test of different substrates
 - + Collaboration with Avery Dennison



The complemented portfolio



The complemented portfolio



A man with a beard and short hair, wearing a white lab coat, is looking through the eyepiece of a microscope. The entire image is overlaid with a semi-transparent red filter. The text "Thank you for your attention!" is written in large, bold, white letters across the lower half of the image.

**Thank you
for your attention!**