



INK TRANSFER TOOL
SUBLIMATION PAPER

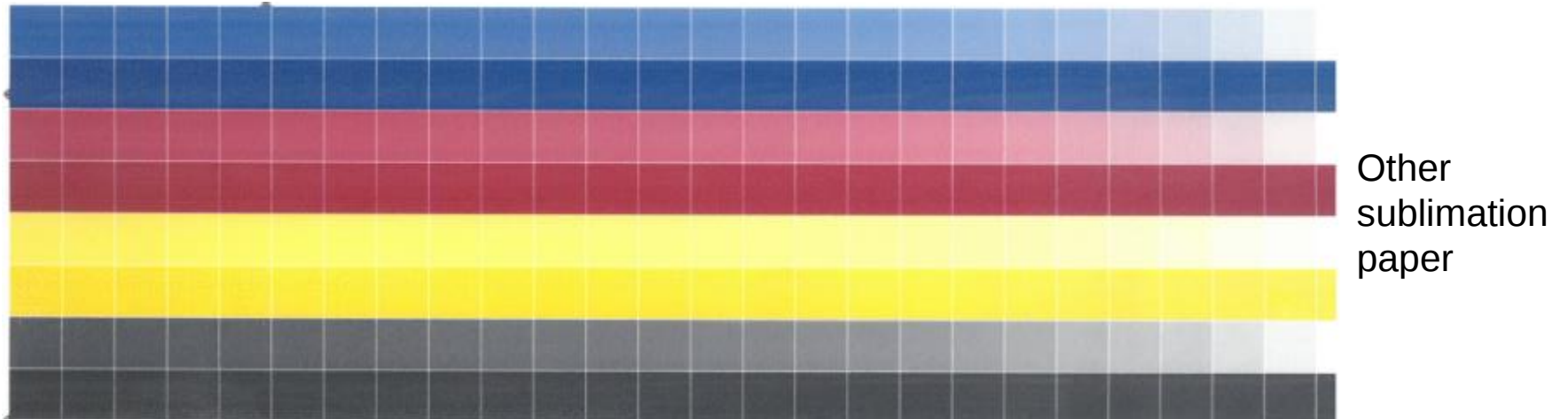
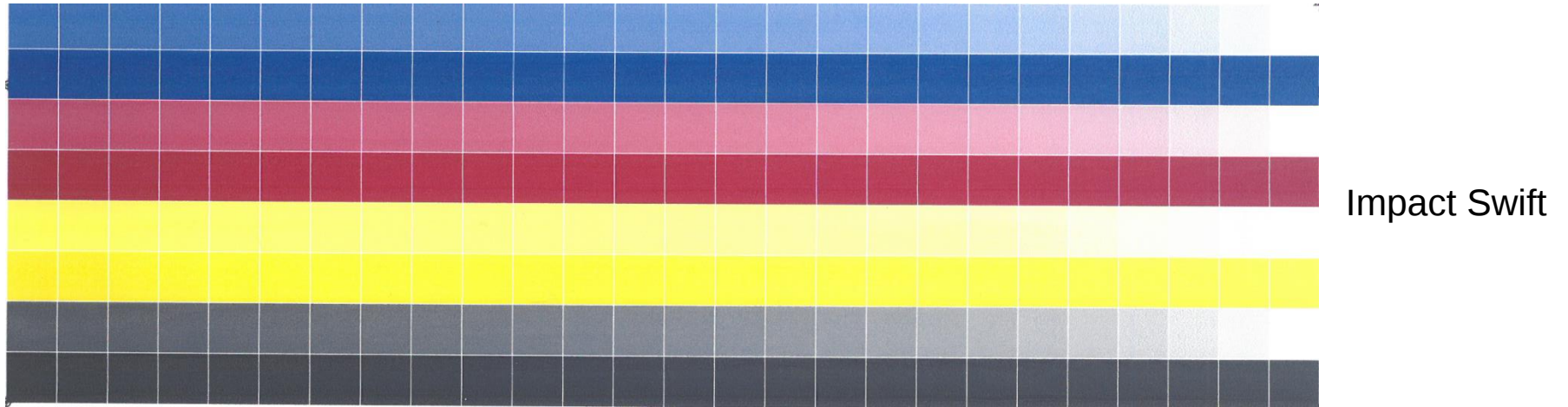
HOW IS OUR IMPACT SWIFT PAPER TRANSFERRING INK COMPARING TO OTHER SUBLIMATION PAPER.

AGENDA

1. Declaration - What means INK TRANSFER TOOL
2. Linearization
3. Microscope pictures
4. Graphs
5. Explanation: Comparison of two different techniques
6. Summary / Result

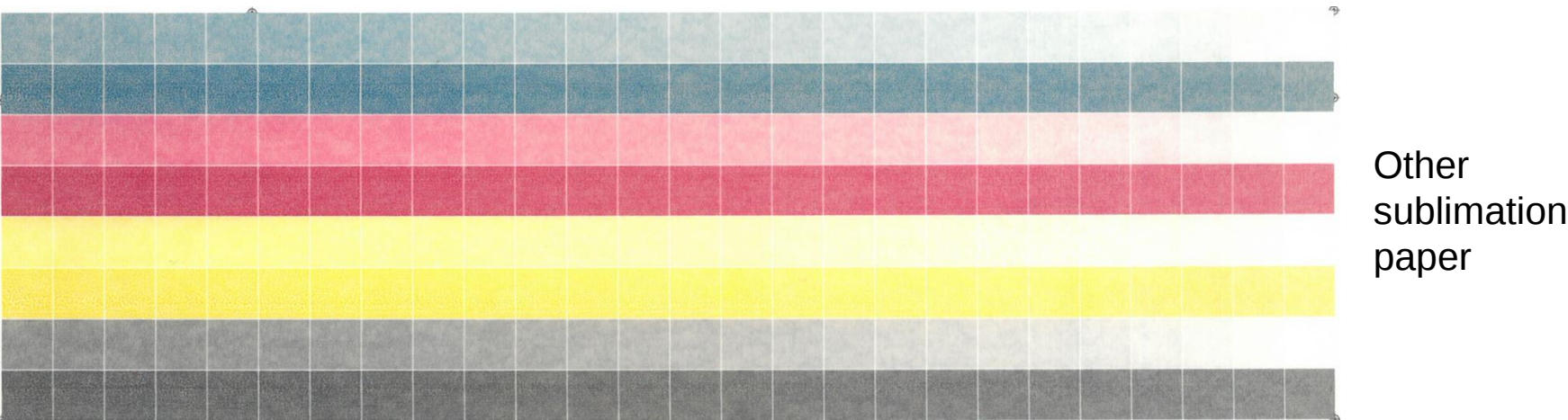
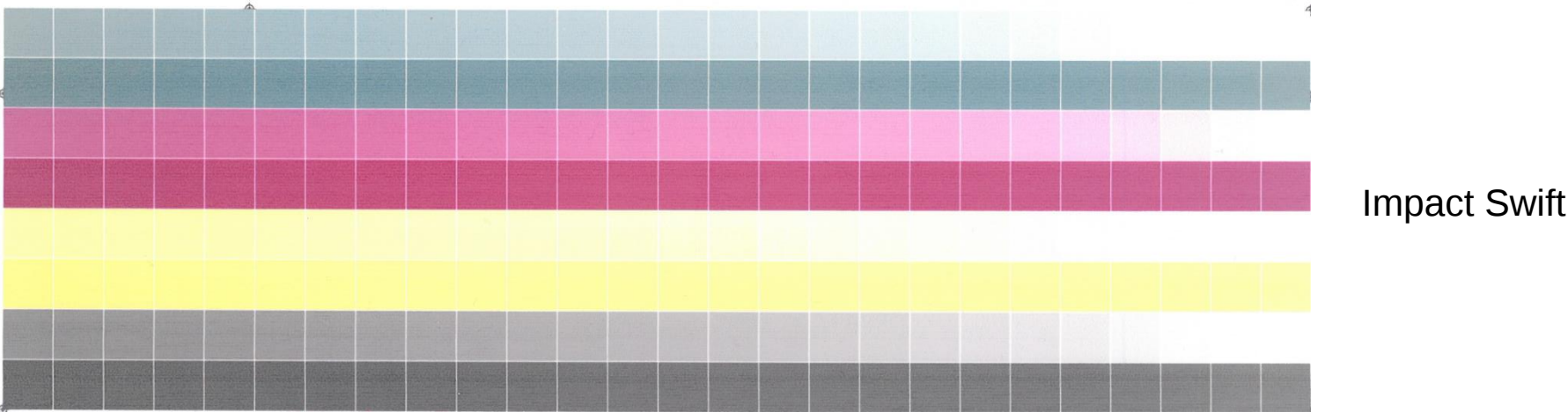
2. IN COMPARISON IMPACT SWIFT PAPER SEEMS TO BE MORE COLORFUL BEFORE SUBLIMATION.

PAPER COMPARISON **BEFORE** SUBLIMATION



2. IN COMPARISON IMPACT SWIFT PAPER SEEMS TO BE MORE COLORFUL AFTER SUBLIMATION.

PAPER COMPARISON **AFTER** SUBLIMATION



2. IN THE IMPACT SWIFT PAPER THERE IS NOT MORE INK LEFT THAN IN OTHER SUBLIMATION PAPER AFTER THE SUBLIMATION PROCESS.

PAPER COMPARISON BEFORE AND AFTER SUBLIMATION

Before
sublimation:

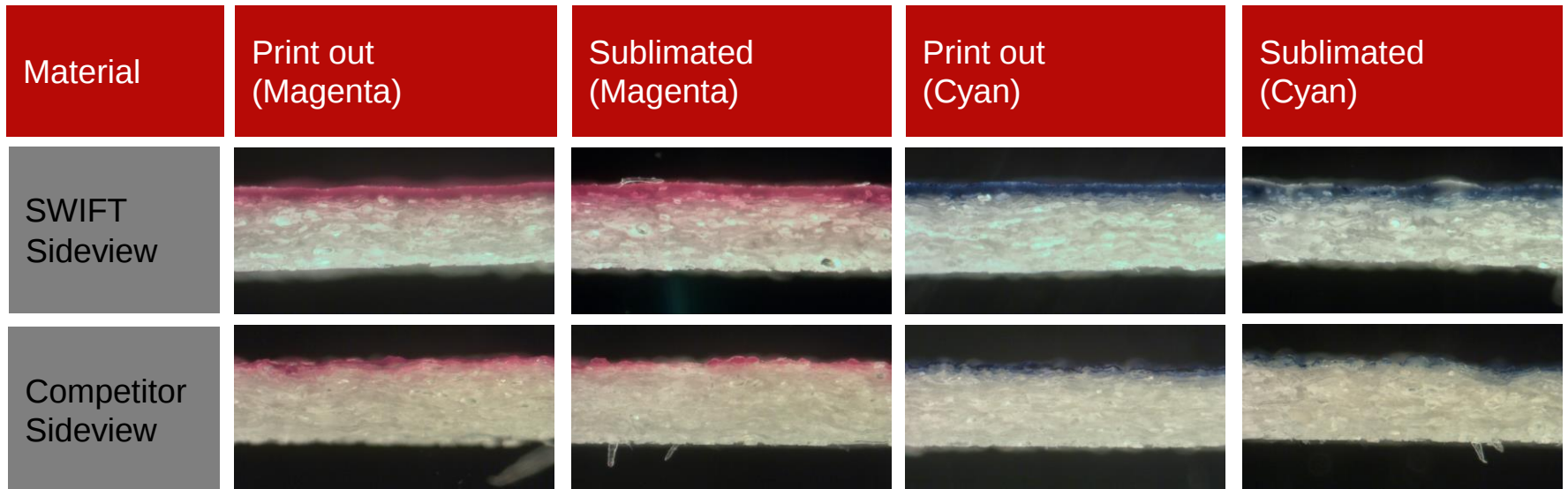


After
sublimation:



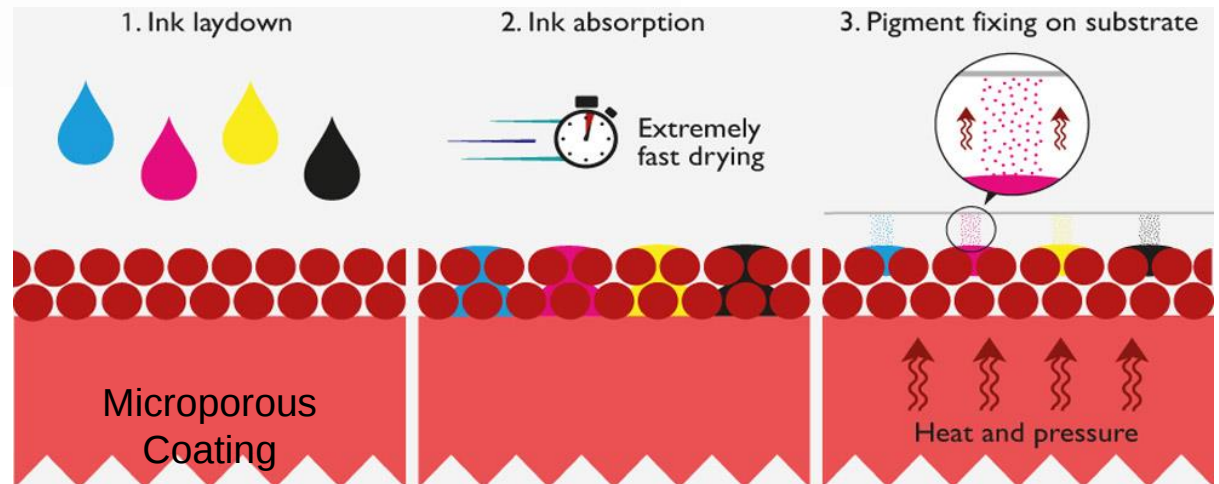
3. MICROSCOPE PICTURES – COMPARING IMPACT SWIFT WITH A SWELLABLE SUBLIMATION PAPER.

BEFORE AND AFTER THE SUBLIMATION PROCESS



Microporous sublimation paper offers several advantages over swellable sublimation paper. Its microporous coating allows the sublimation ink to quickly penetrate and dry within the ink-receiving layer, resulting in faster drying times, sharper image quality, and improved ink release during the heat transfer process. This enables deeper dye penetration into polyester fabrics, producing more vibrant colors, higher transfer efficiency, and better overall print quality.

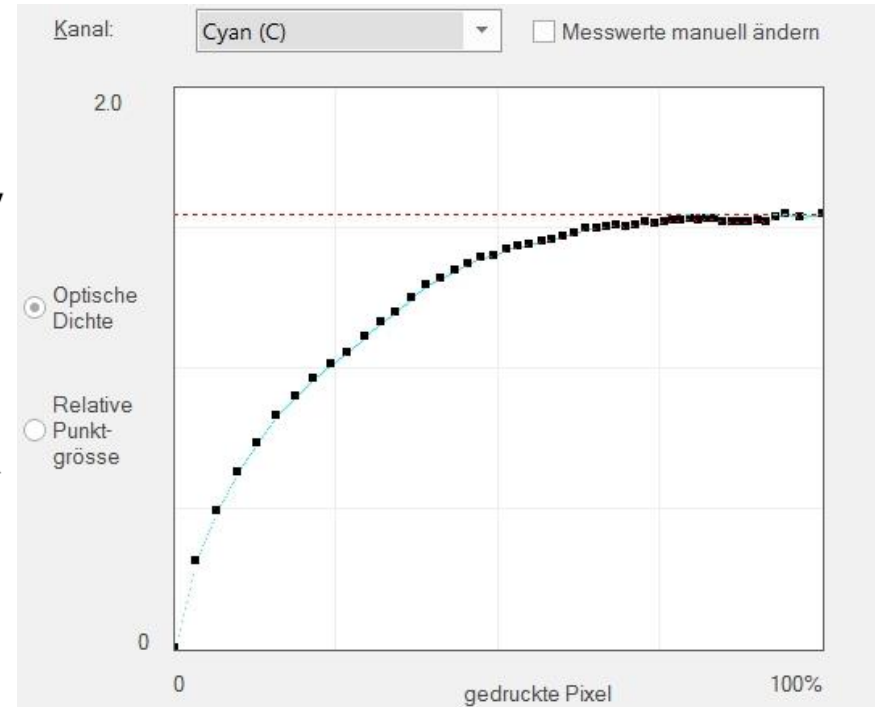
Swellable Coating



4. LINEARIZATION GRAPH – NUMBERS DON'T LIE.

MEASUREMENT OF OPTICAL DENSITIES

- Measurement of optical densities (OD) by a spectrophotometer
- Numbers of the measurements converted by a RIP software into a graph
- Ink channel output 0 - 100%
- Get higher optical densities and / or save ink



4. MEASURED & UNEDITED LINEARIZATION GRAPHS.

Impact Swift VS. SWELLABLE SUBLIMATION PAPER

SWIFT

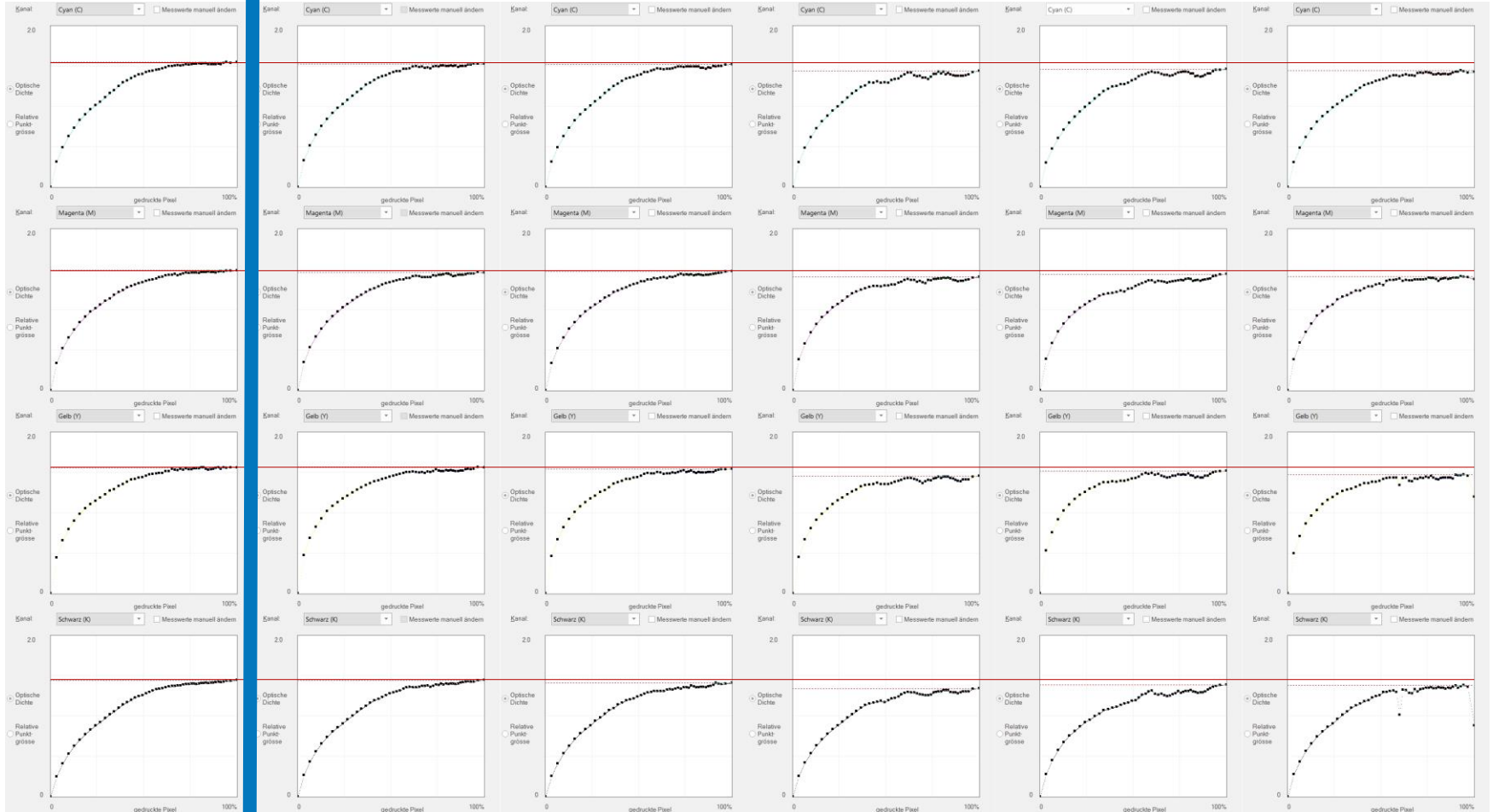
Other sublimation papers

C

M

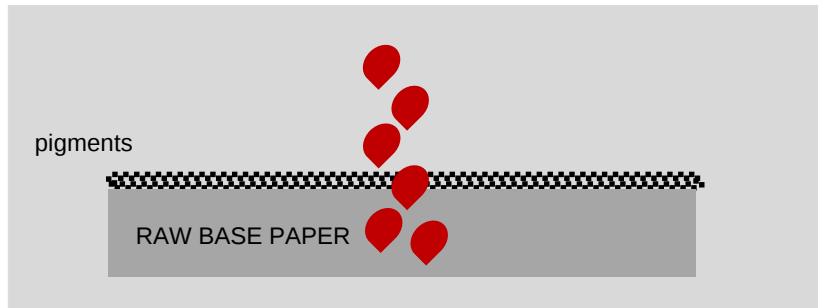
Y

K



5. EXPLANATION: COMPARISON OF TWO DIFFERENT TECHNIQUES

MICROPOROUS TECHNOLOGY

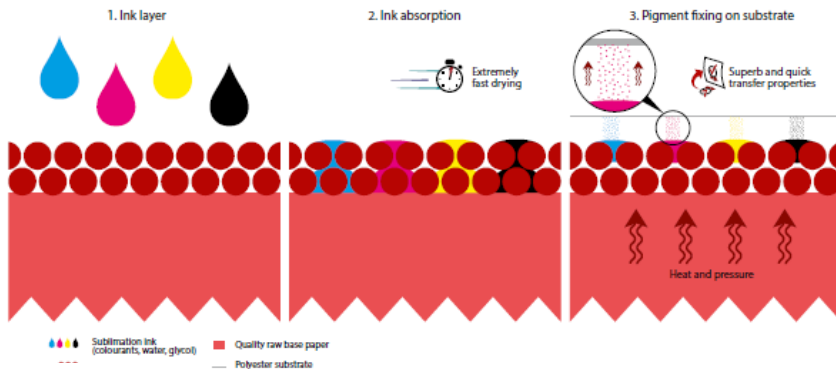


- + Fast drying, reducing through-put time in production
- Higher porousness, much more hygroscopicity
- + This technology supports the benefits of modern digital printing technology: increased printing speed
- + Suitable for high ink loads, increased colour density
- + Suitable for hard and soft substrates
- + higher optical density by using less ink

SWELLABLE TECHNOLOGY



- Slow drying
- Not a perfect match for newer, faster printing technology
- worse line sharpness
- worse line bleed
- not always suitable for high ink loads



6. Summary and Key Benefits

Impact Swift Microporous Sublimation Paper is engineered to deliver superior color, faster drying, and higher transfer efficiency. Its advanced microporous coating rapidly absorbs ink and releases dye efficiently during heat transfer, producing vibrant colors, sharper images, and deeper penetration into polyester fabrics. While a slight image may remain on the transfer paper after pressing, this is a normal characteristic of microporous coatings and does not reduce transfer performance. The result is exceptional print quality with the potential to reduce ink consumption and increase productivity.

Key Benefits

- * Higher optical density for richer, more vibrant prints
- * Faster ink absorption and drying
- * Superior dye release and transfer efficiency
- * Sharper images with deeper color penetration
- * Potential to reduce ink consumption
- * Ideal for high-volume industrial sublimation printing