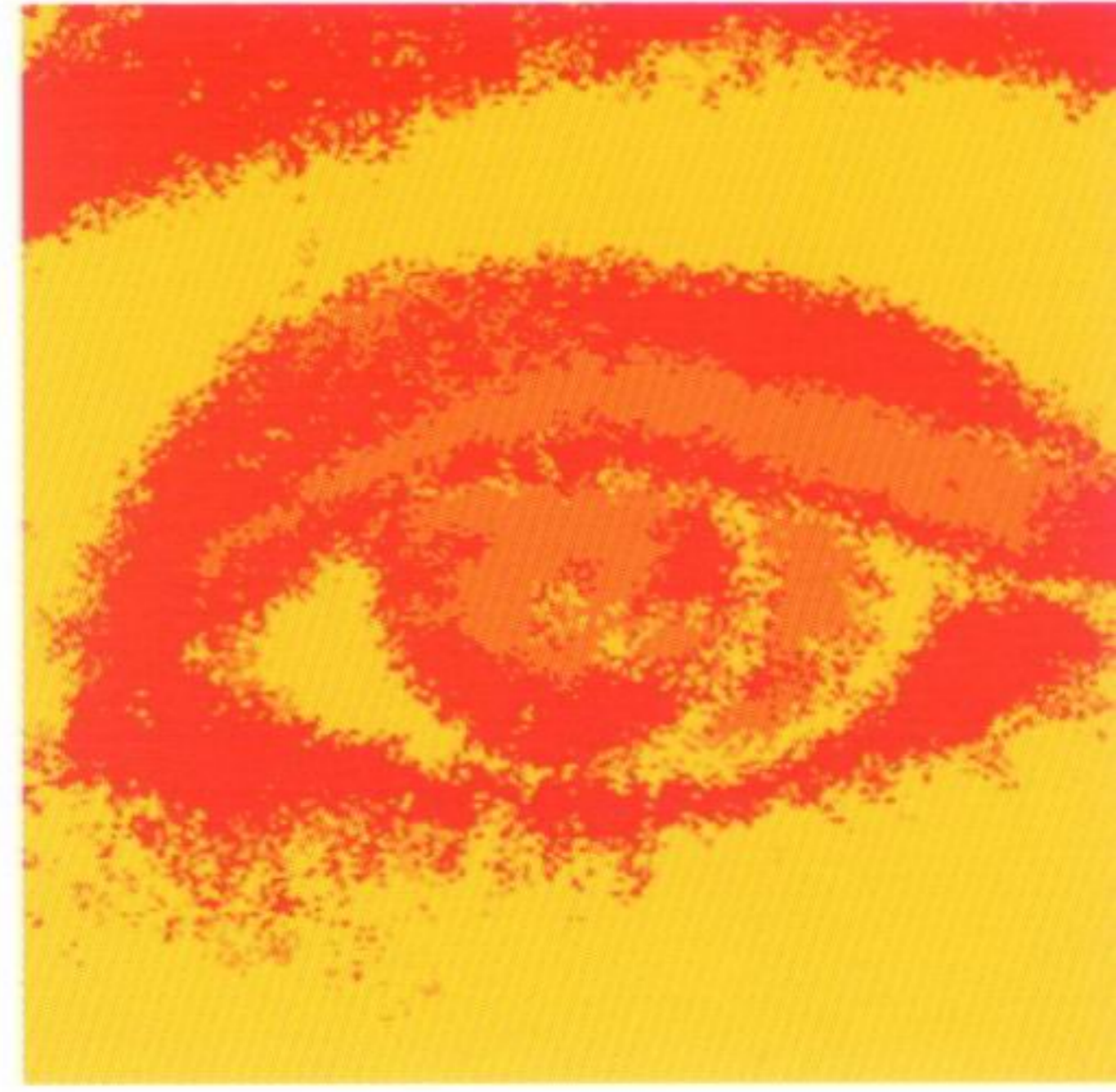
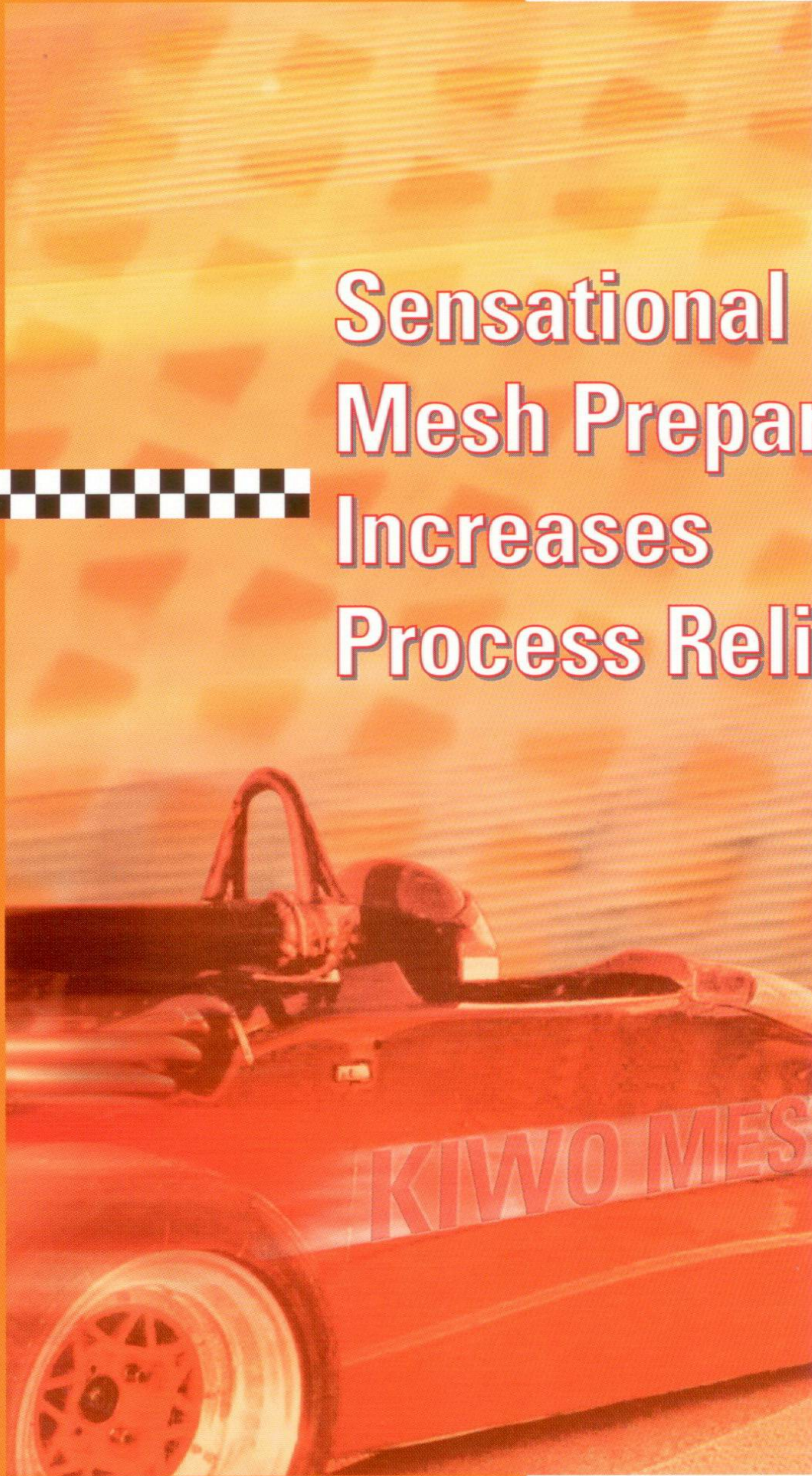


# Mesh *tuning*

KIWO® MESH X-CEL



Sensational  
Mesh Preparation  
Increases  
Process Reliability.



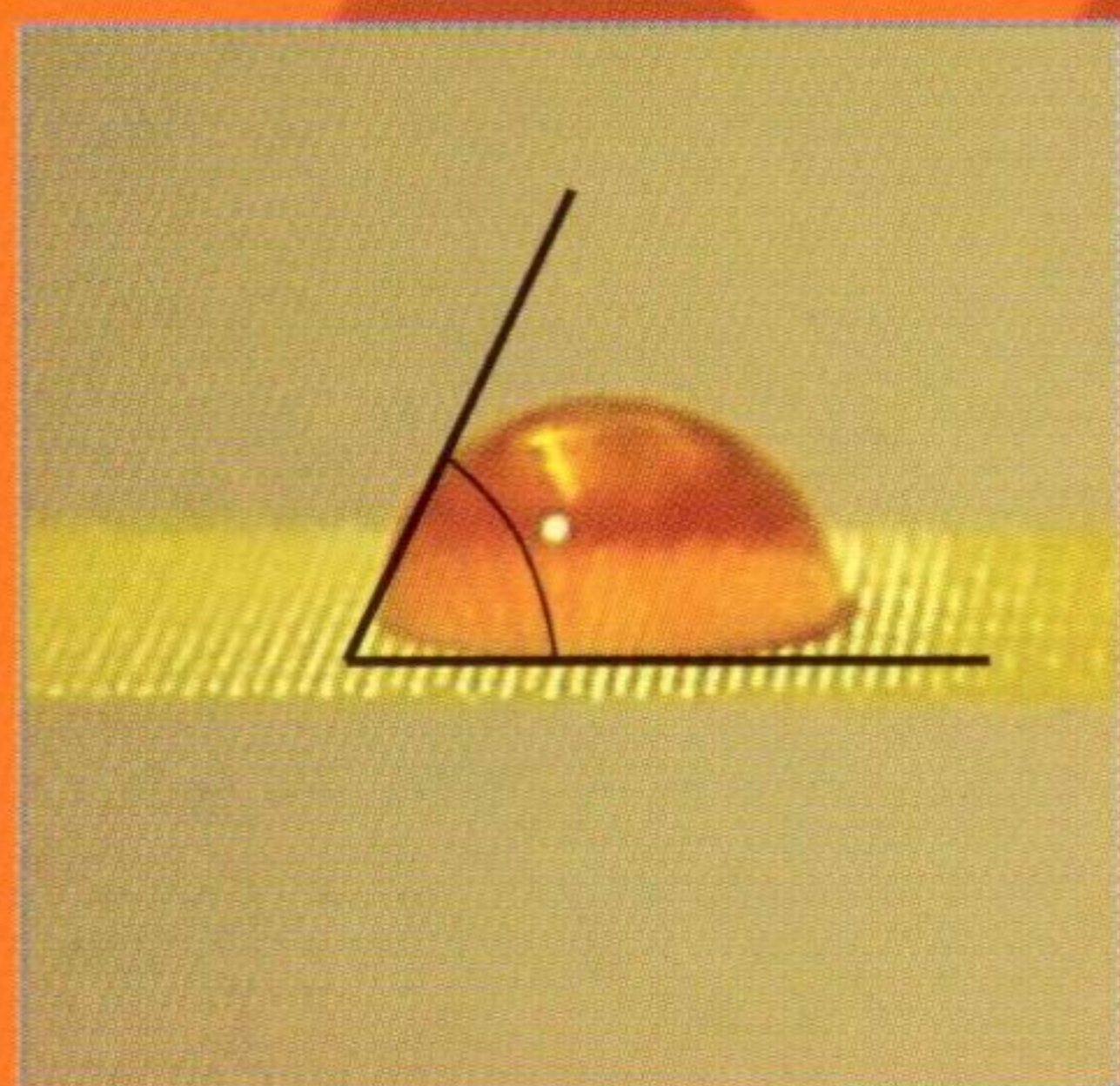
 **KIWO**®

Perfect stencil making  
products – concepts – solutions

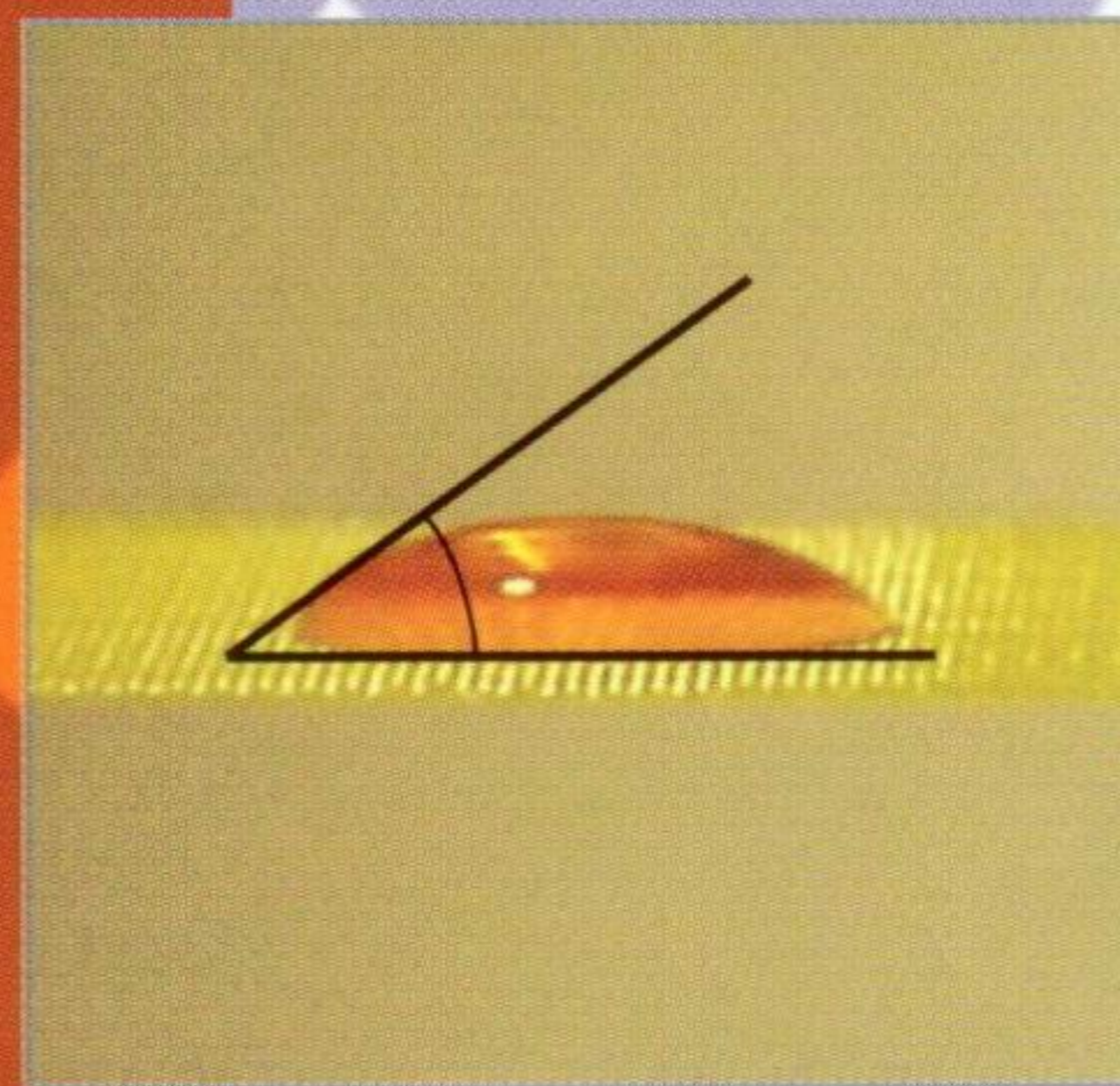
# The new mesh tuner

Improves all conventional screenprinting meshes. **KIWO® MESH X-CEL** balances out all the variables in the mesh qualities before coating. After they have been used for the first time, even the new generations of mesh can be fully regenerated with **KIWO® MESH X-CEL**.

## **KIWO® MESH X-CEL significantly improves the adherence of the photoemulsion**



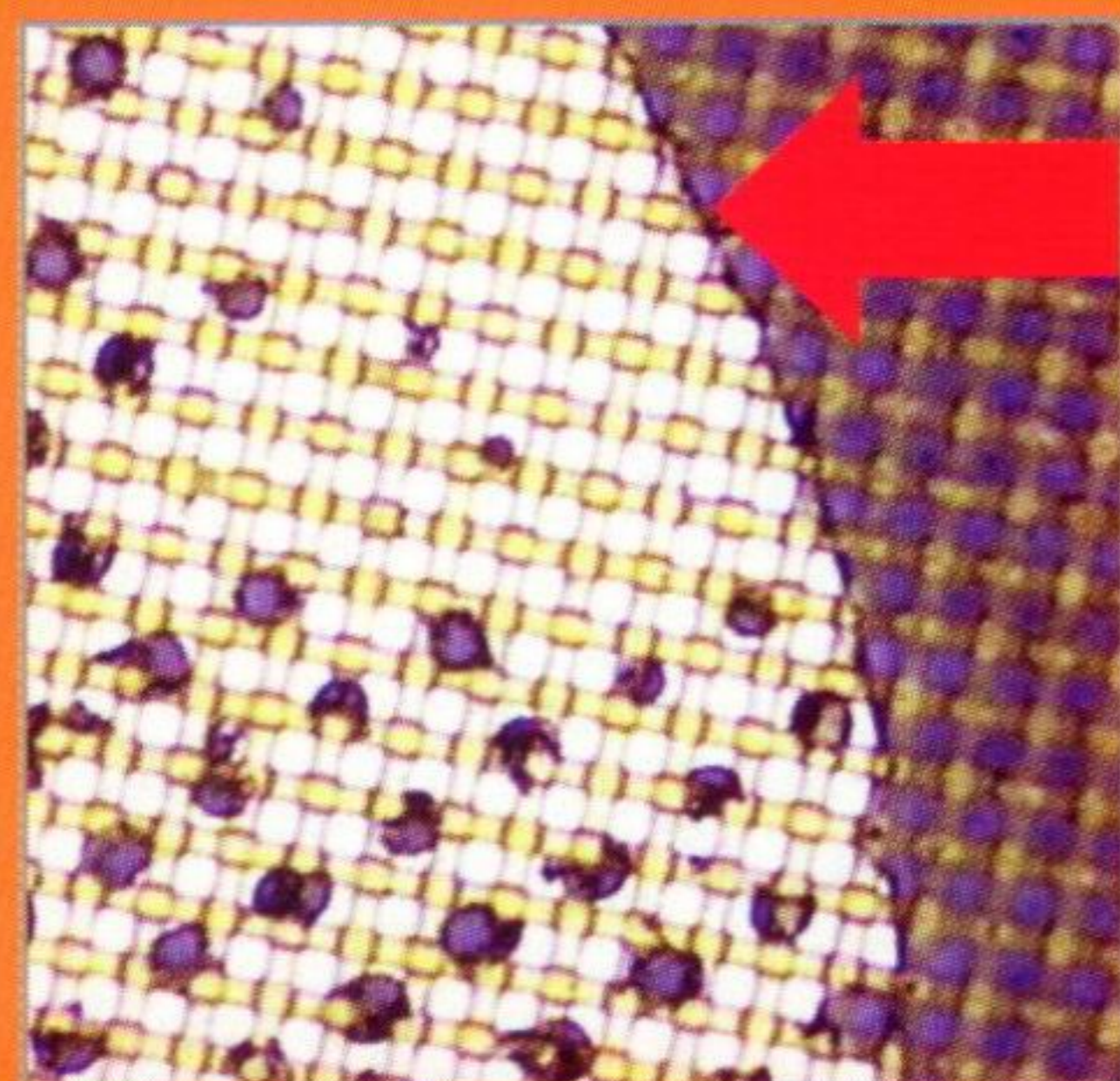
without **KIWO® MESH X-CEL**



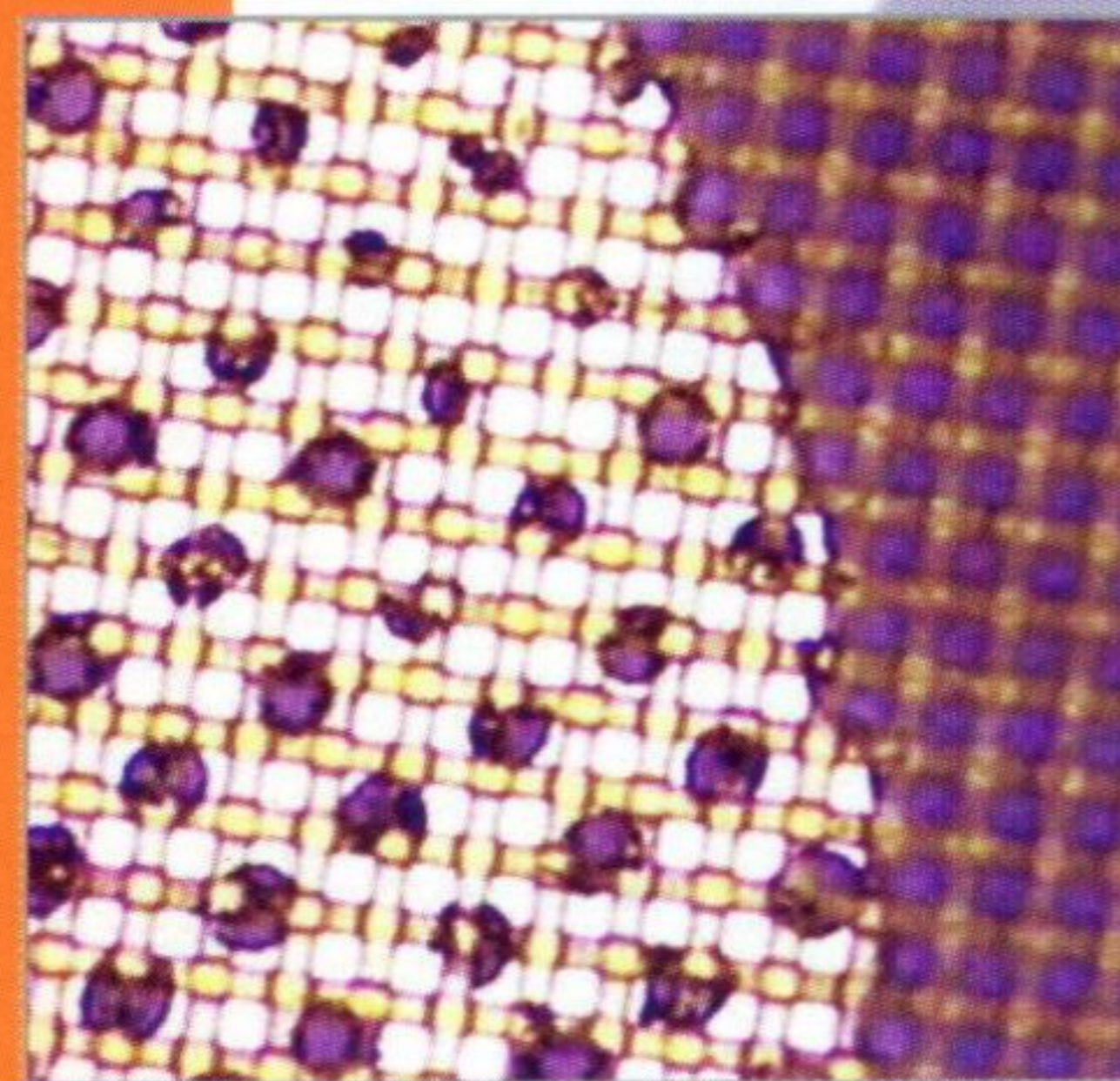
with **KIWO® MESH X-CEL**

The flatter angle of contact (picture r.) between water and mesh shows how **KIWO® MESH X-CEL** improves the wettability of the mesh. The photoemulsions adhere much better. This leads to a homogenous emulsion flow as well as an optimum and even embedding of capillary film. You have higher process reliability in stencil production and also during printing.

## **KIWO® MESH X-CEL sensationally improves on-press durability**



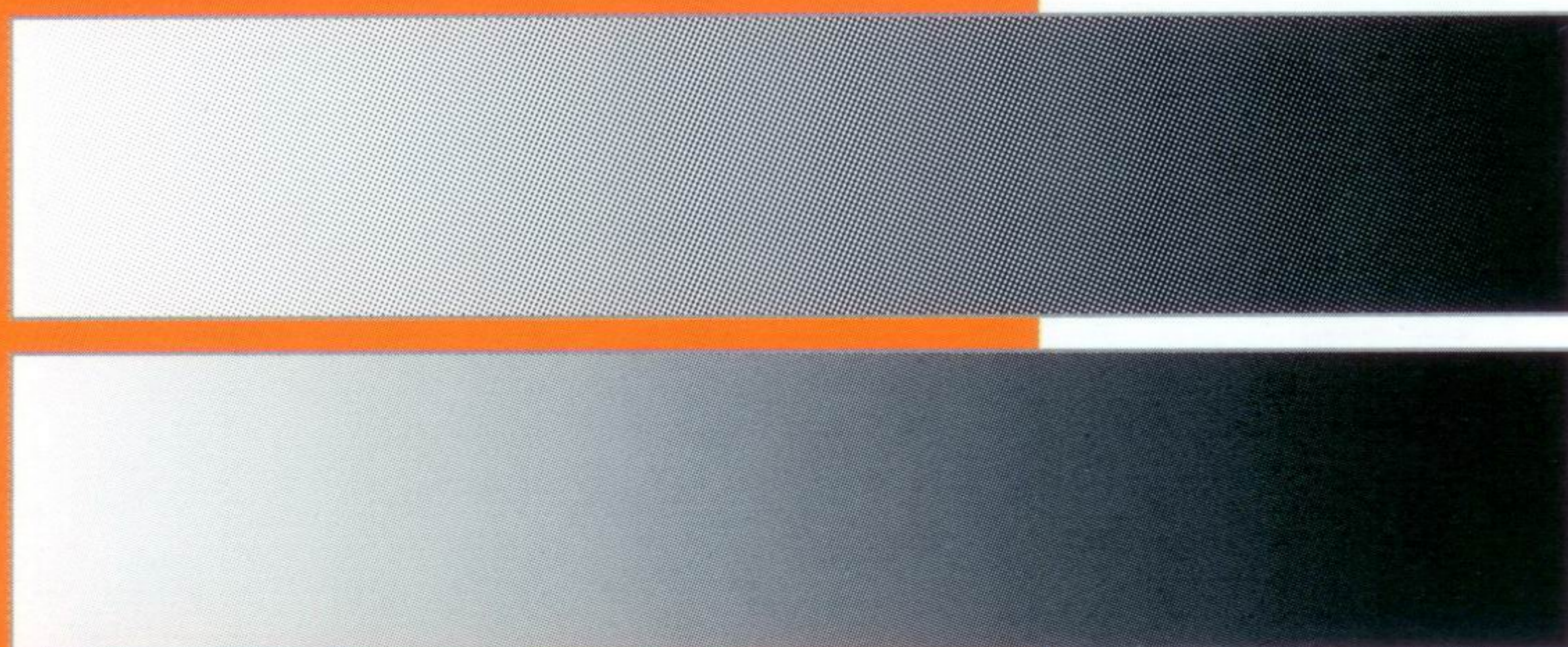
Runs 23,000 without **KIWO® MESH X-CEL**



with **KIWO® MESH X-CEL**

More endurance for the stencil. From the first to the last print, the photo-emulsion stays firmly anchored to the mesh. This means a significant increase of on-press durability, even for finest half-tones. Our example compares screens after 23,000 prints.

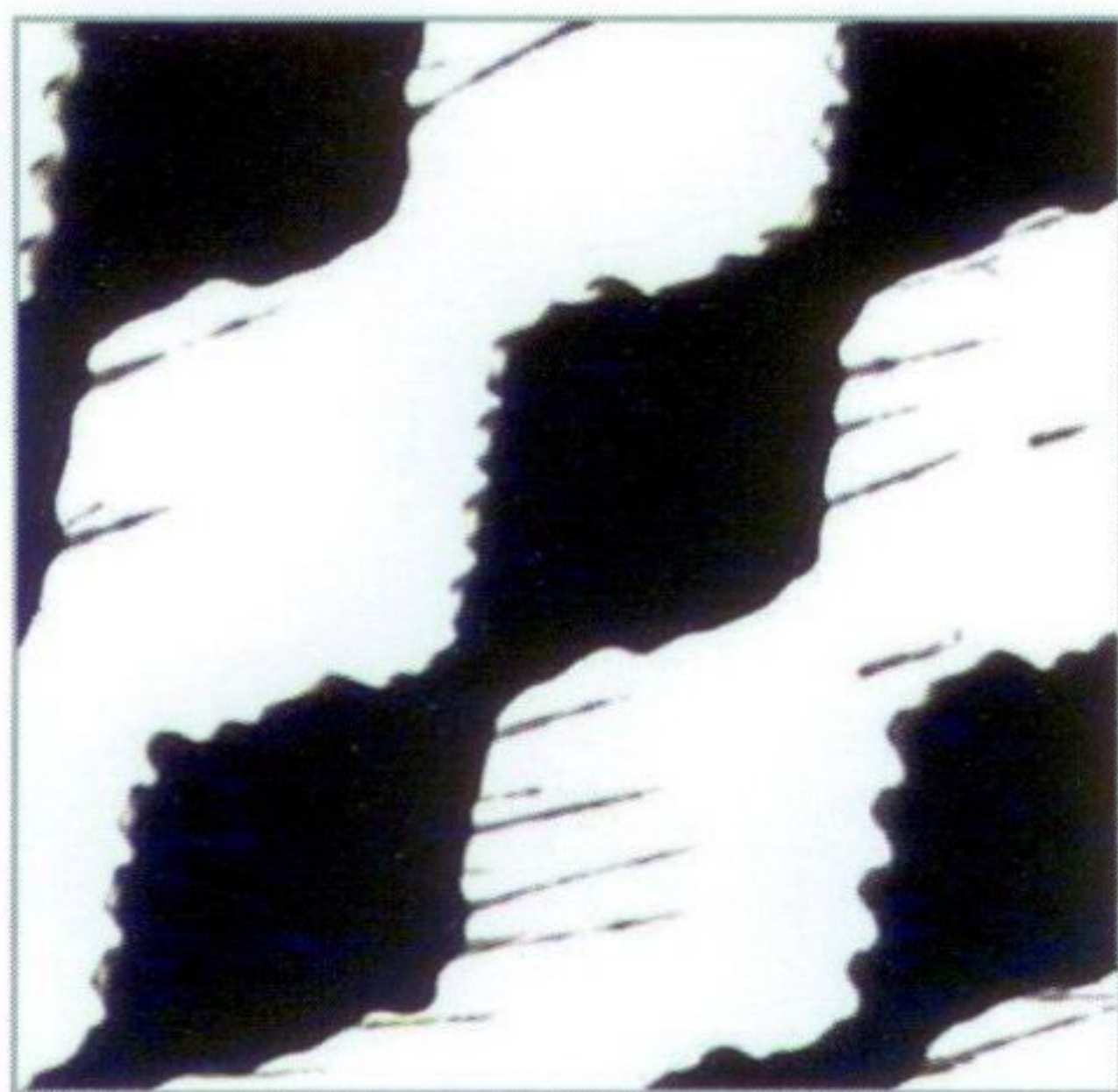
## **KIWO® MESH X-CEL expands the print and visible tonal values**



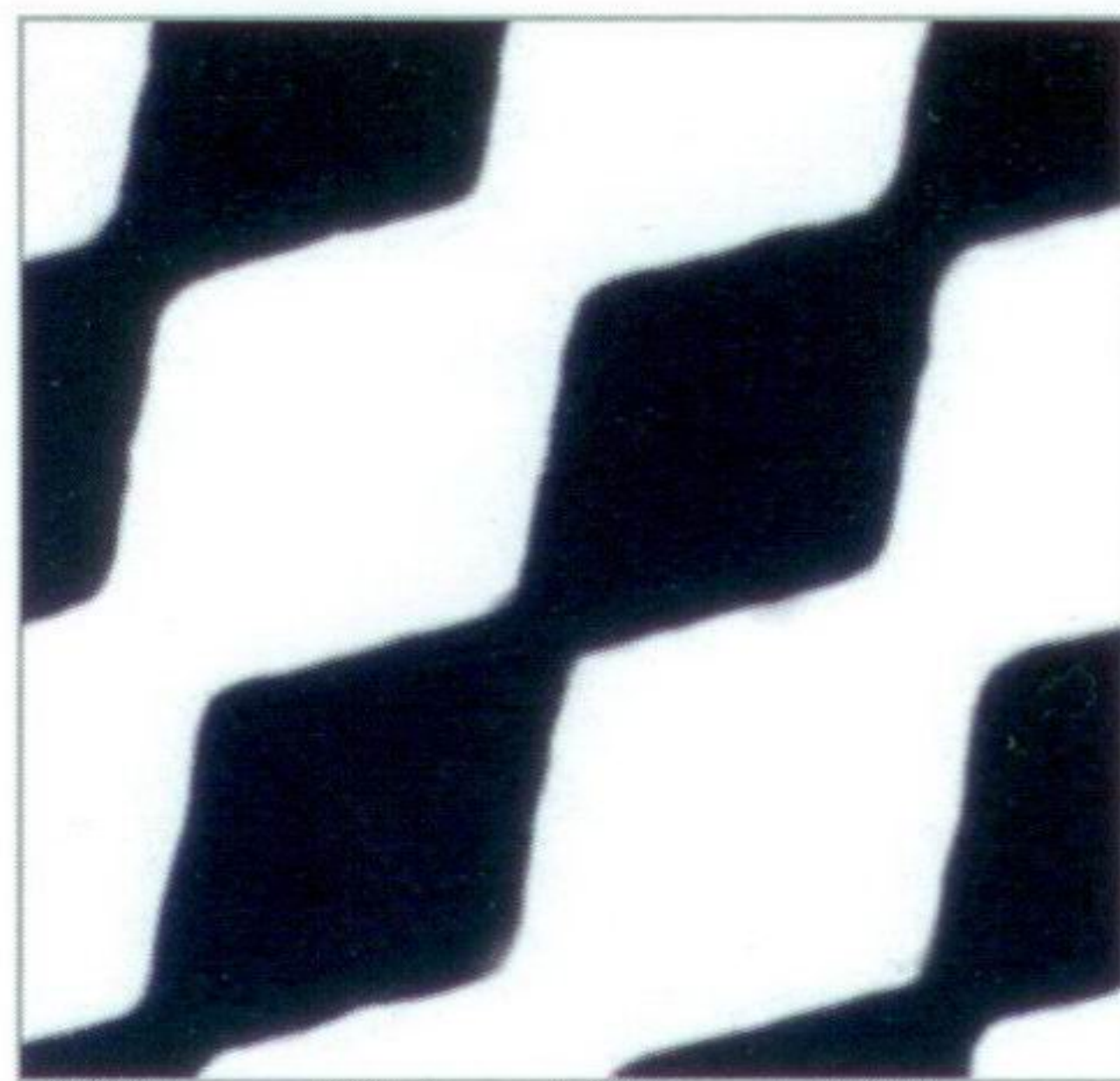
Clear and visible improvement of the print quality. For example, during printing – solvent-based inks with 32 l/cm and UV inks with 54 l/cm – a significant improvement of the printable tonal values occurs. Uniquely reliable reproduction in tonal values from 5 to 95 %.

Optimum tonal range in a 32 to 54 grey scale (1:2).

**KIWO® MESH X-CEL with a visibly antistatic effect**



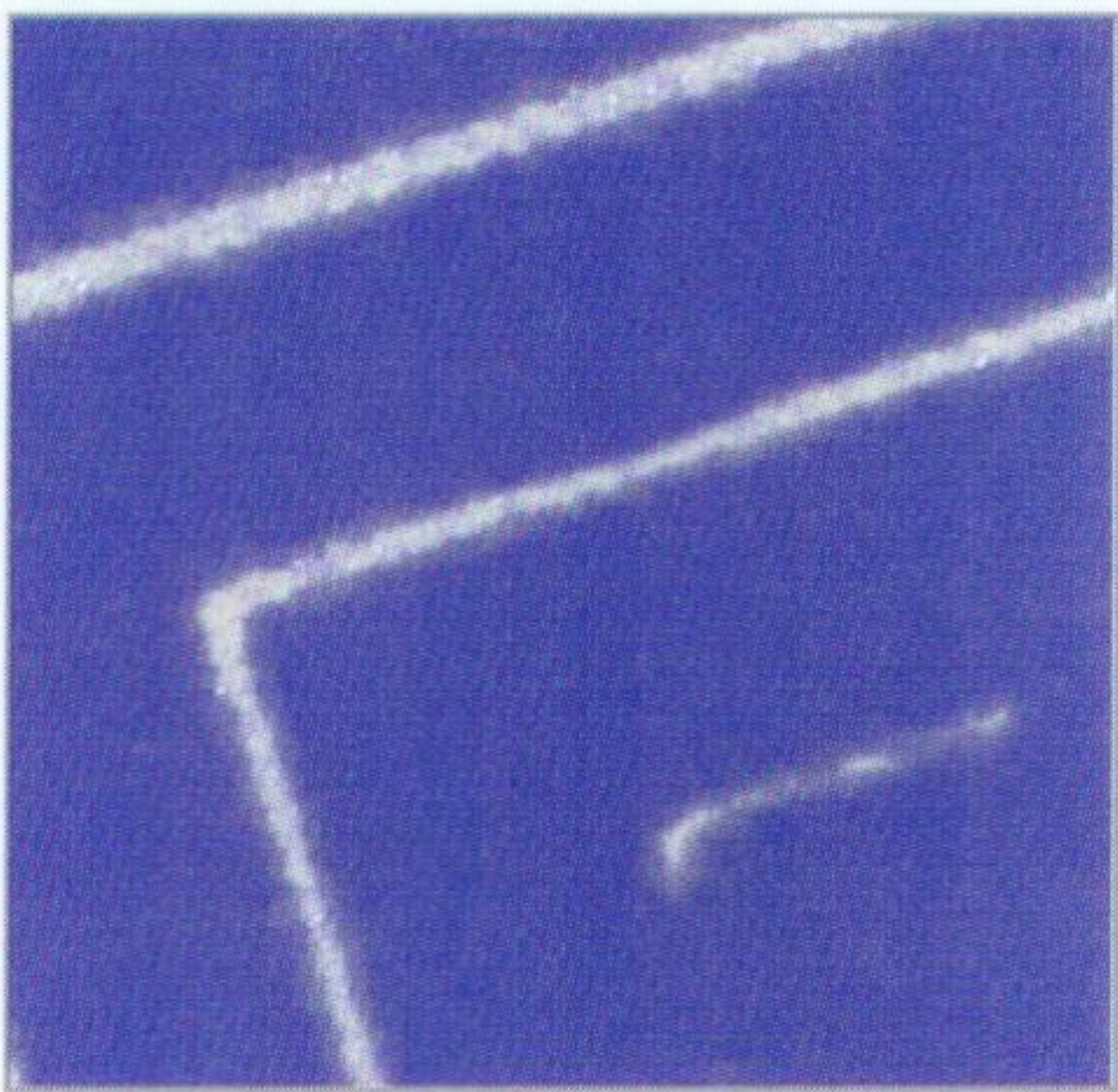
without KIWO® MESH X-CEL



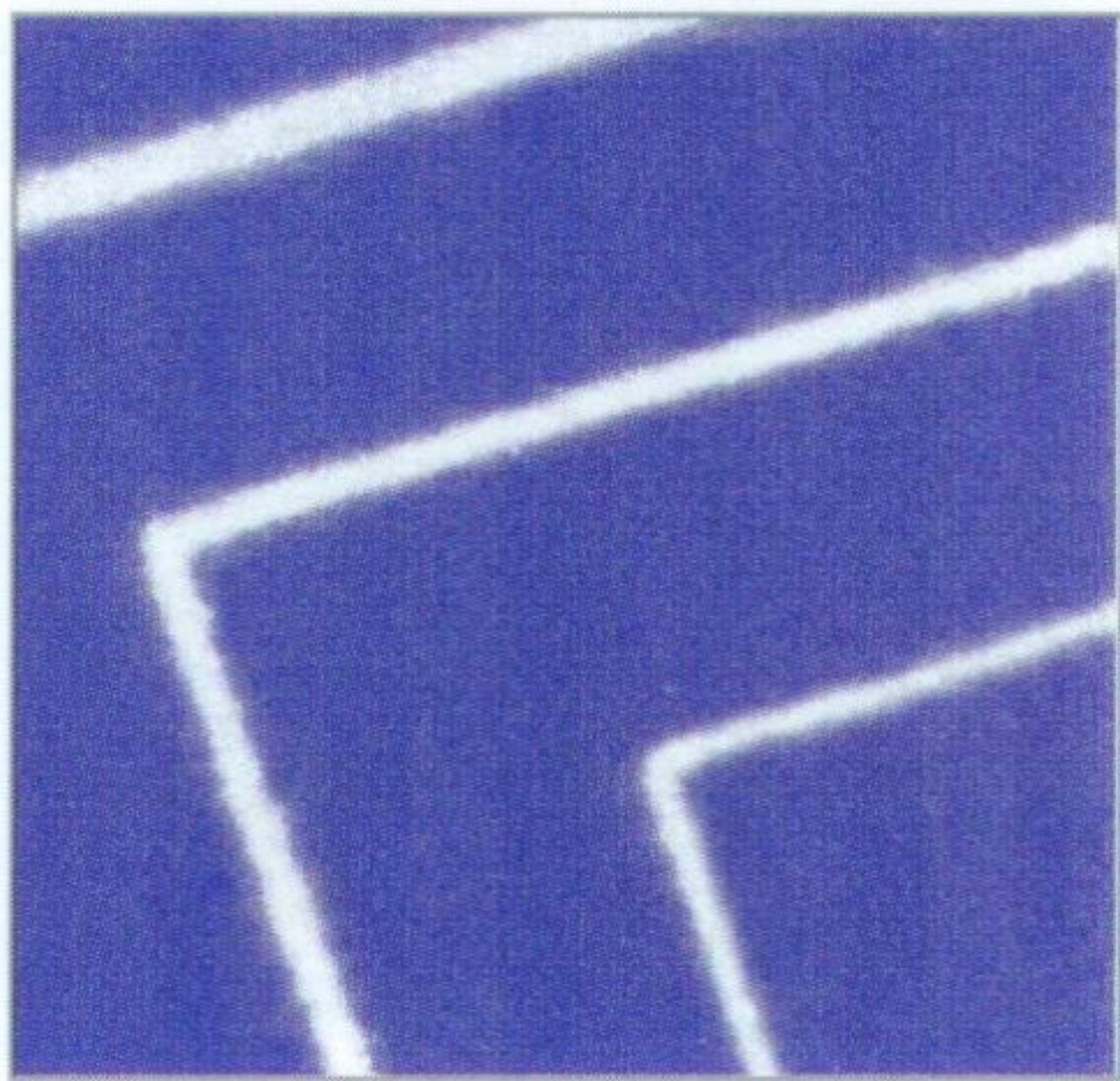
with KIWO® MESH X-CEL

KIWO® MESH X-CEL decidedly reduces the problems with electrostatic charging. No more ink sputtering occurs. Instead, sharp-edged, precise and clean printed images throughout the whole run.

**KIWO® MESH X-CEL leads to visibly better printing results**



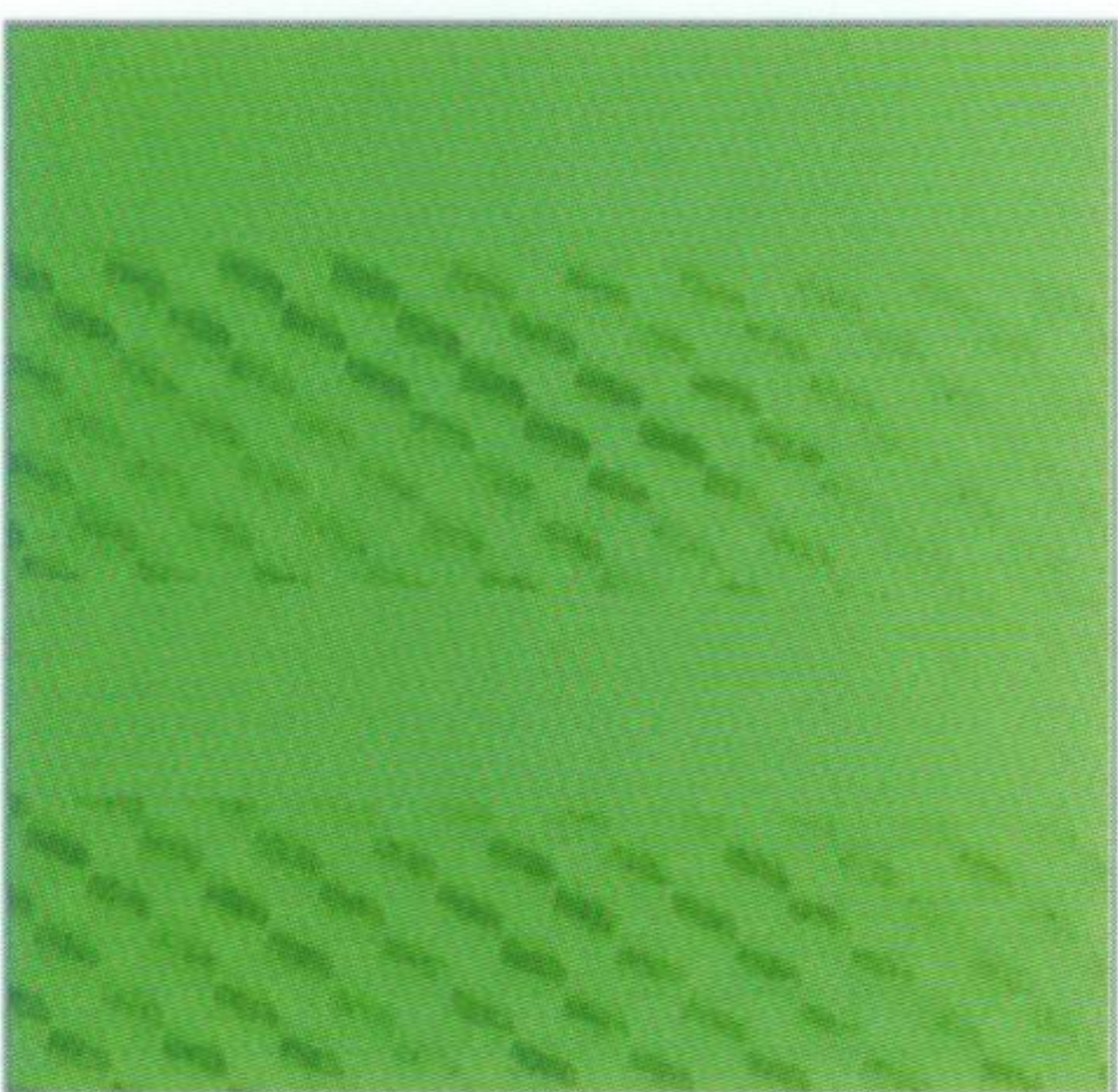
without KIWO® MESH X-CEL



with KIWO® MESH X-CEL

The finest lines, smallest details appear needle sharp. KIWO® MESH X-CEL ensures optimum ink flow and even ink application – faithfully reproducible even for the highest runs.

**After subsequent recoating, KIWO® MESH X-CEL can make ghost images disappear**

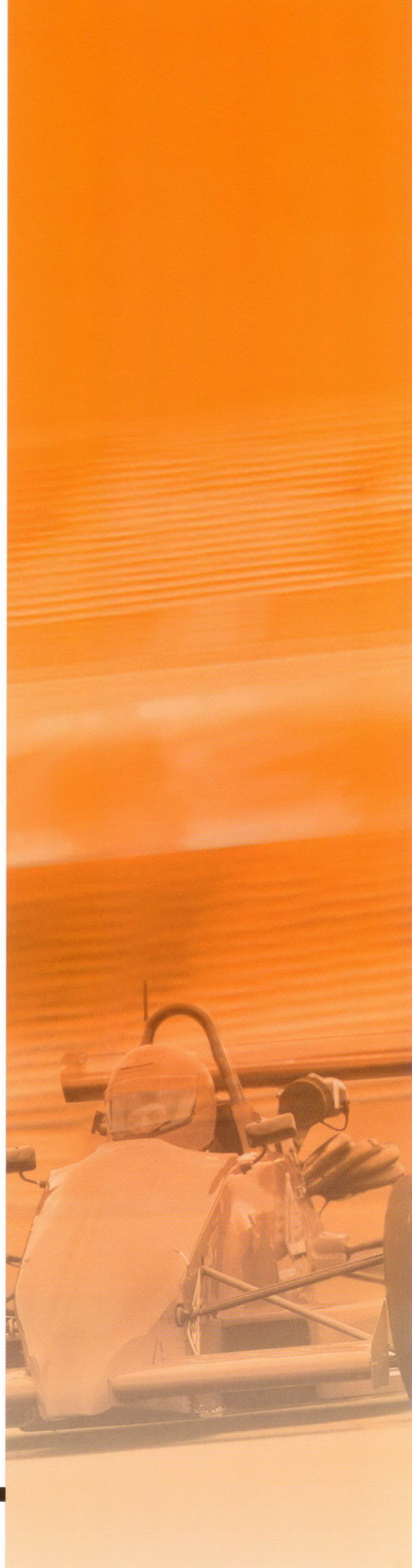


without KIWO® MESH X-CEL



with KIWO® MESH X-CEL

Through rational mesh treatment with KIWO® MESH X-CEL, ghost images can be suppressed. This “ghost-image disappearing effect” depends on the type of ink used.



## Be a winner with KIWO

Innovations from KIWO not only bring you safely lap for lap around the course. Innovations from KIWO take you all the way to the winner's podium. Discover the unique advantages of KIWO system chemistry. Individual components perfectly matched to each other. Optimum for each step in the screenprinting workflow.

**Tune your printing stencil to perfection! Start now!**

In top form right from the starting grid... highly-effective preparation for reliable screen manufacture and brilliant printing results... to the winner's podium!



## Mesh tuning for more process stability and more productivity in the overall workflow.

Get to the finishing line without any pit-stops. Clean, degrease and sustainably improve mesh with KIWO® MESH X-CEL. For visibly more brilliant printing results.



 **KIWO**®  
Perfect stencil making  
products – concepts – solutions