



HOW TO CLEAN STENCILS FROM SILICON GLUE

STENCIL + MISPRINT + SQUEEGEE



WHAT IS THE CUSTOMER'S STORY?

The customer searched for a cleaning solution for the **removal of silicon glue from the stencils**. They contacted our competitors first, which only sent them a sample of their cleaning agent without any personal visit. Unfortunately, the competitors also did not provide any technical assistance with testing of the product. The customer used the fluid in our **InJet®** cleaning system, which they have bought from DCT in the past. As the result, the **competitive cleaning agent completely dissolved all rubber seals, which caused severe leakage**. Because of this negative experience, the customer contacted us and asked for a complete cleaning solution.



WHAT WE TESTED?

We tested what is the most effective way of cleaning stencils polluted by **thermoconductive silicon adhesive**.

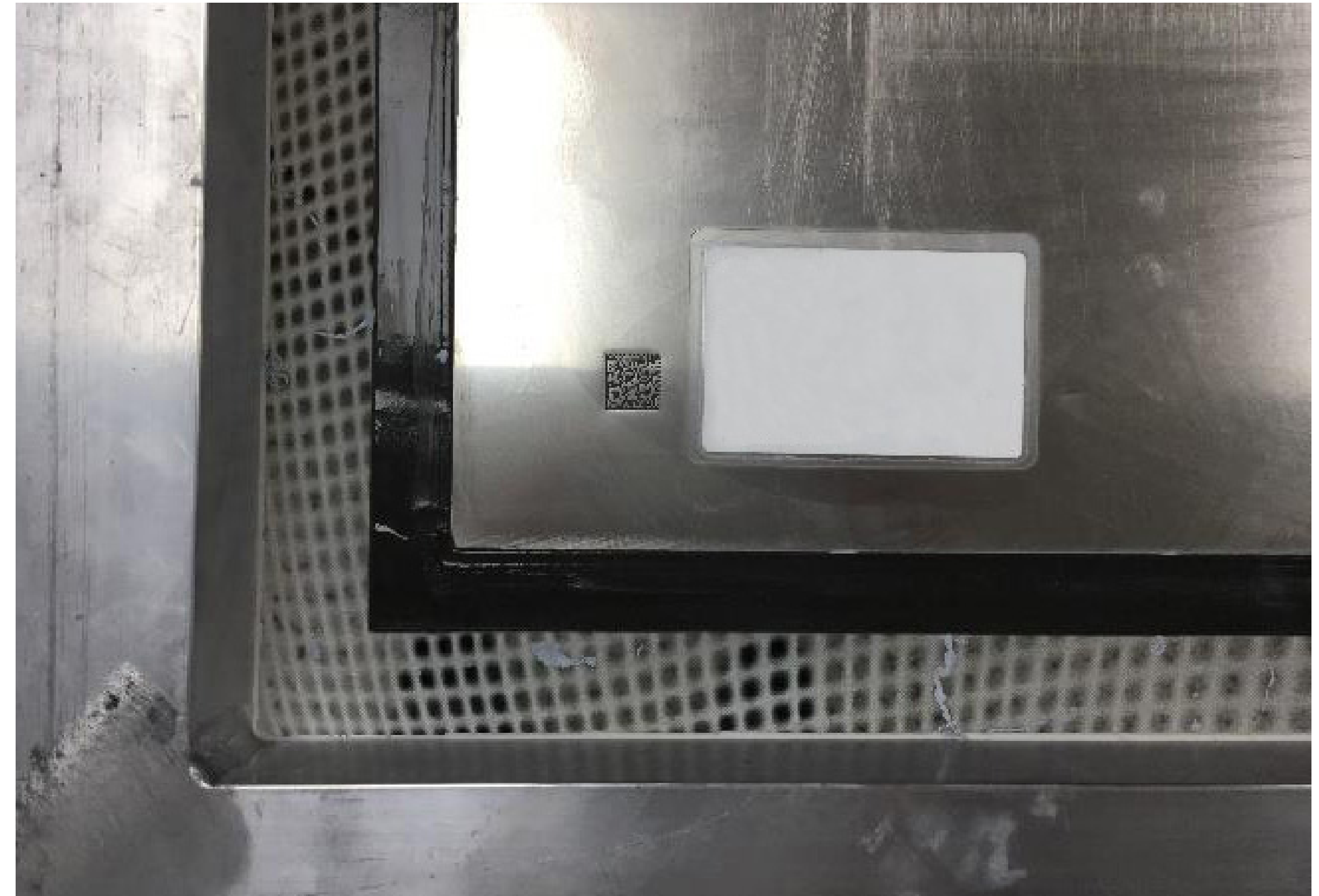
Type of Silicon Glue:

DowSil (Dow Corning) 4450



*DCT Cleaning is a customer-oriented company and our priority is **personal contact** with the customers. Only due to **on-site testing**, we can fully understand the cleaning needs of the particular cleaning project.*

Stencil Before Cleaning





COMPLETE CLEANING SOLUTION BY DCT



Technical data sheet

Alcohol-based cleaning agent
Proton[®] 703



Technical data sheet



see our videoreport

Cleaning system **InJet[®] 388 CRD** with vertical high-pressure Spray-In-Air technology



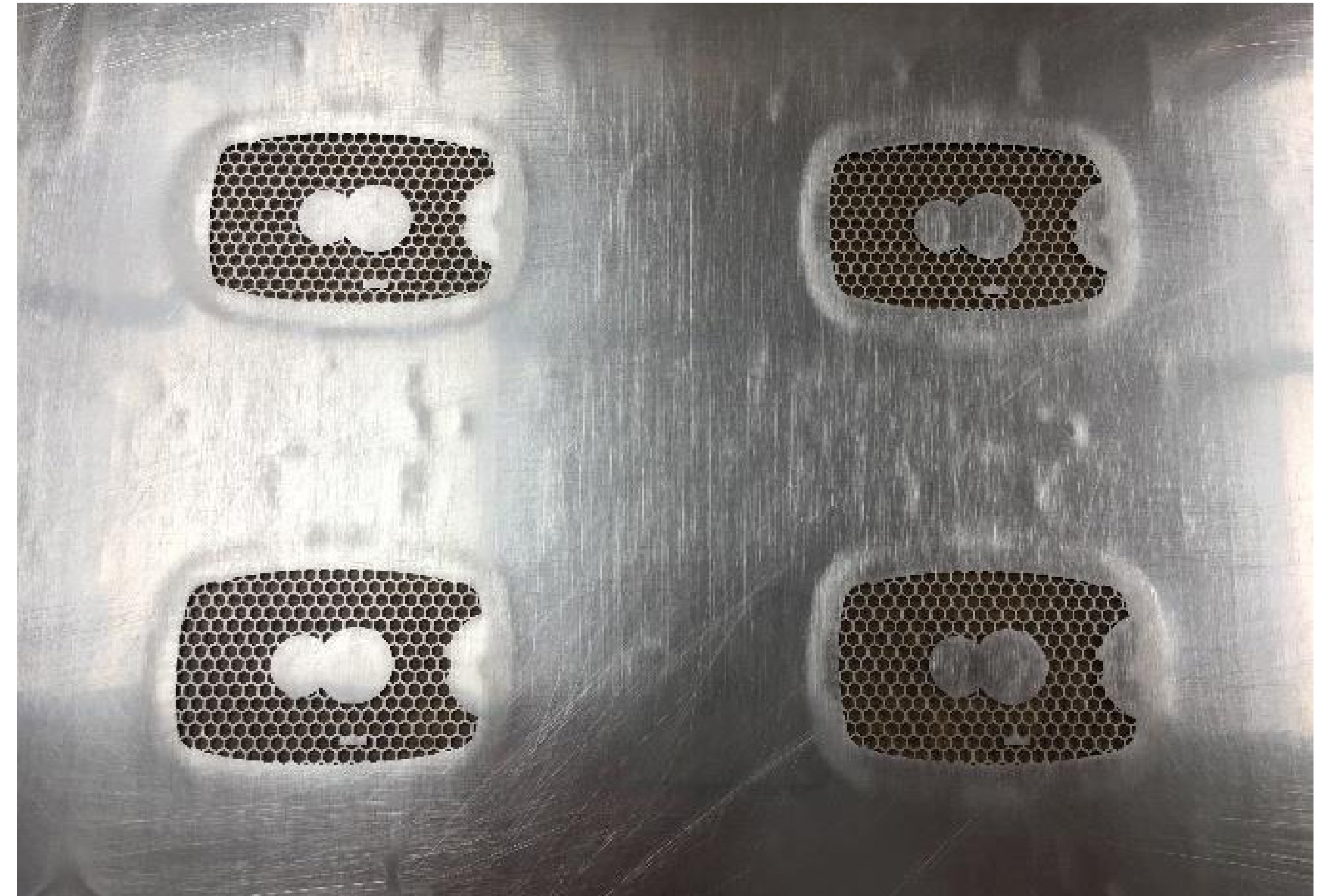
Stencil

BEFORE Cleaning



AFTER Cleaning

with Proton® 703



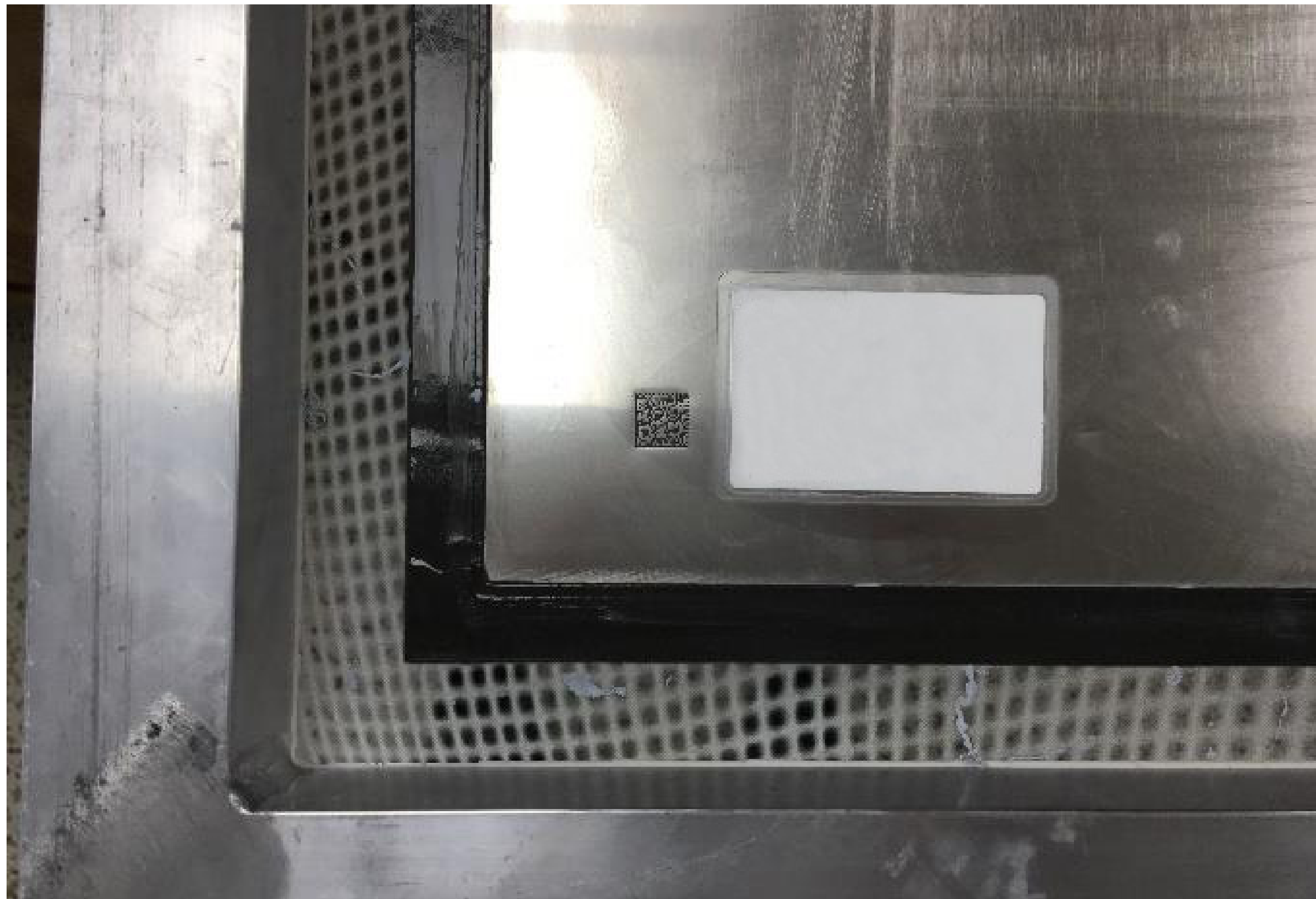
Stencil

BEFORE Cleaning



AFTER Cleaning

with Proton® 703





RECOMMENDED CLEANING PROCESS

Cleaning system: InJet® 388 CRD

Technology:
vertical high pressure Spray-In-Air

Cleaning:
Proton® 703 / 5 min / 25–30°C / 2,1 bar

Rinsing: DI Water / 10 min / 25°C

Drying: 10 min / 50°C / hot air

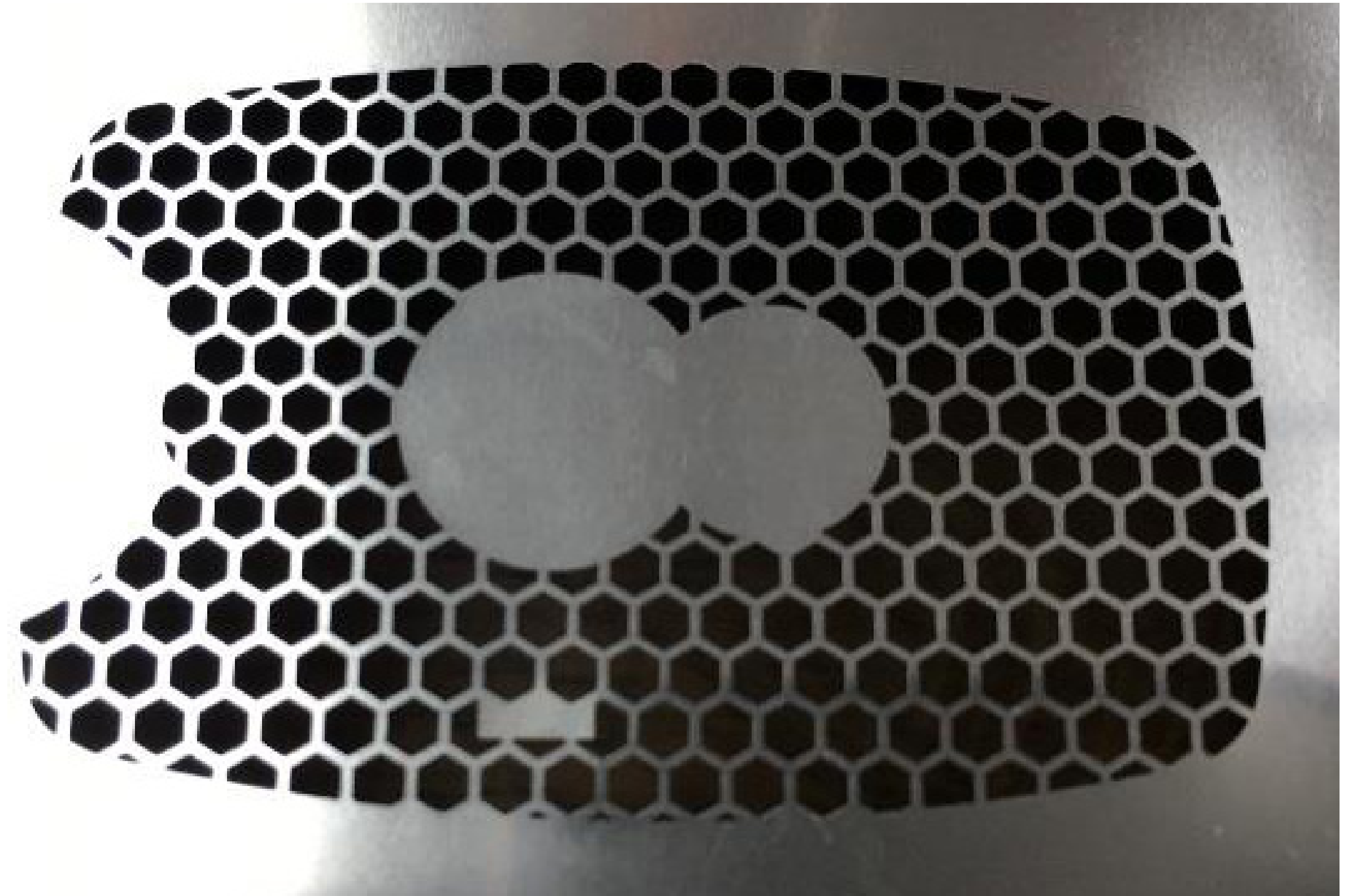
Stencil

BEFORE Cleaning



AFTER Cleaning

with Proton® 703



After cleaning with Proton® 703 in InJet® 388 CRD, stencils were completely without silicon glue residues. Even the residues which were presented on the edges were completely dissolved.

Printing Stencils

BEFORE Cleaning



AFTER Cleaning

with Proton® 703





RECOMMENDED CLEANING FLUID

Proton® 703

Proton® 703 is highly effective cleaning fluid, designed to **remove cured and uncured conformal coatings** from coating frames, PCBs and components of coating machines parts.

- ✓ Alcohol-based cleaning fluid
- ✓ Determined for dissolving of **silicone coatings**
- ✓ Effective for most types of acrylic coatings
- ✓ Ready-mix, prepared for direct use
- ✓ For use in all types of cleaning machines



Technical data sheet



see our videoreport



Recently, we developed even stronger cleaning agent Proton® 705. You can read about the product [HERE](#).



RECOMMENDED CLEANING SYSTEM

InJet® 388 CRD

with vertical high pressure Spray-In-Air technology



Technical data sheet

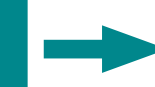


see our videoreport

- ★★★★ **STENCIL, MISPRINT, SQUEEGEE** cleaning
- ★★★★ **PUMPRINT** cleaning
- ★★★★ **CONFORMAL COATING** removing
- ★★★★ **PCB** cleaning

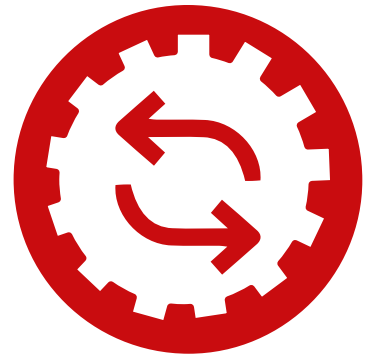


BEFORE Cleaning



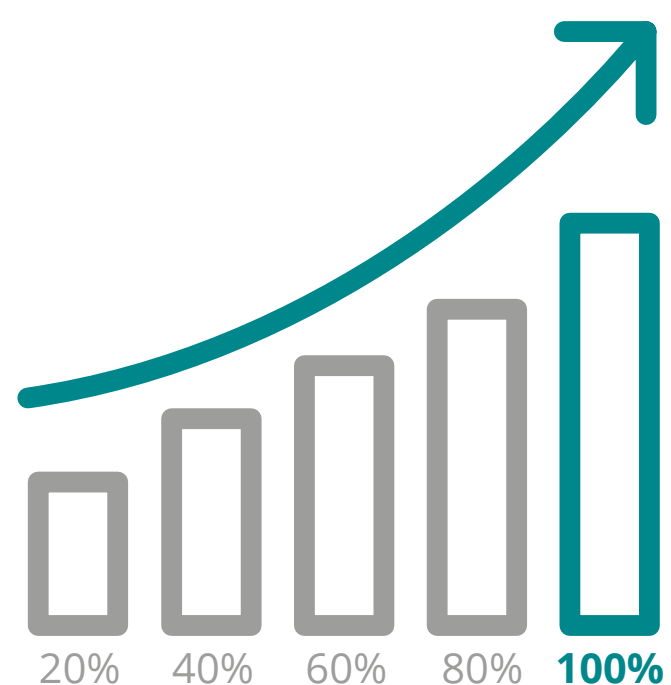
AFTER Cleaning

with Proton® 703



During the **long-term on-site testing** of the compatibility, we reached 100 cycles with no damage to the stencils and consistent 100% cleaning efficiency.





RESULTS OF TESTING

Success rate: 100%

The results of the testing were excellent as supposed because **our cleaning agents are always fully compatible with our cleaning systems**, this our mission – to provide better and **complete cleaning solutions**. The customer is currently using our cleaning system as well as our cleaning fluid and is very satisfied.

