

operations 1



# BWF Profiles Success Story

How plastics professional BWF Profiles established a digital, variant-specific quality inspection and dynamized inspection cycles

# About BWF Profiles

With over 1800 employees, the BWF Group processes textile filter media, technical needle felts, wool felts and high-quality plastic products. The **BWF Profiles** division is the European and Asian market leader in the extrusion of thermoplastics and offers its customers complete support in the development and production of highly customized plastic products. The enormous variety of products requires precise, variant-specific quality inspection. With Operations1, the inspection process has been digitalized and streamlined.



Although we are a very modern company, we still worked a lot on paper in quality inspection. We wanted to change that.

Patrick Sched  
Quality Management  
BWF Profiles

## The Challenge

BWF Profiles responds to individual customer requirements in the manufacture of plastic products like no other company. This means: an enormously **high number of variants** and thus **complex quality testing**.

Until now, product quality was controlled with the help of elaborately prepared paper lists. The creation of the inspection documents and the communication of the process understanding to the employees was a great challenge. That's why the plastics manufacturer decided to work with Operations1. Paper folders gave way to tablets, and within a few months the complex inspection process – including **variant configuration** and **inspection dynamization** – could be processed completely digitally.

**-100%**

ELIMINATION OF  
MANUAL DATA  
TRANSMISSION

**-50%**

SAVINGS IN  
INSPECTION EFFORT  
WITH DYNAMIZATION

**+100%**

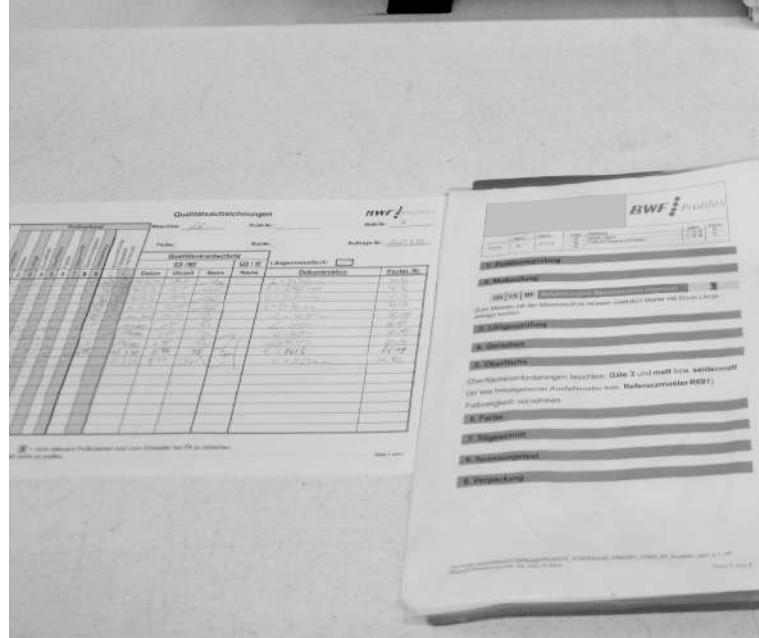
BETTER PROCESS  
UNDERSTANDING

## SUCCESS STORY

### Variant-specific inspections and dynamic test cycle adaptation

Previously, test documents were created manually, which was time-consuming. With over 9,000 realized product variants, this meant enormous complexity. The manual transfer, evaluation and subsequent archiving of the test results were also high cost drivers.

With Operations1, the high product diversity could be precisely mapped based on ERP data. Thanks to **variant configuration** and the ability to easily integrate **images and videos** of the installation situation at the customer's site for each inspection process, it was possible to increase employees' understanding of the process and thus further improve process and product quality.



In addition, **productivity** was increased through Operations1: each product, from simple to highly complex, was tested at equal intervals before the software was introduced. With Operations1, this complex process was simplified. Automated test **cycle dynamization** was used to adjust the test intervals **to the respective test result**. BWF Profiles was thus able to save up to 50% of the testing effort and make the testing process more efficient.

up to **-80%**

CREATION EFFORT OF  
TEST INSTRUCTIONS

- ✓ **Time savings** in the preparation of test documents: from 1.5 hours to 15-30 minutes
- ✓ Better **process understanding** thanks to integration of images and videos
- More efficient testing through
- ✓ **dynamic inspection cycle adjustment**

## Easy implementation, end-to-end integration

BWF Profiles decided to use Operations1 rather than a CAQ system for three reasons:

**User-friendliness, integration of videos and simple integration into the company's own ERP system.**

Using Rest API, the cloud software pulls product-specific data directly from SAP and makes it available in a structured form. Test instructions and checklists can thus be created in a **variant-specific and automated manner.**

The user interface not only makes it easy to create checklists. The **intuitive usability for operational staff** is also a major advantage over powerful legacy systems.

The **inspection results** (e.g. OK./NOK) are automatically added to **dynamize the inspection cycles.** Finally, the test report is generated automatically and transferred to the archiving system. This results in a complete overview of all test jobs.

The software, including **variant configuration** and **inspection cycle dynamization**, was implemented within five months. In the process, BWF Profiles was supported by an experienced integration team from Operations1.



**The user interface is very user-friendly. Every employee, regardless of their IT knowledge, gets along very well with it.**

Patrick Sched  
Quality Management  
BWF Profiles



## Less effort, higher productivity and improved quality

With digital quality inspection with Operations1, BWF Profiles has introduced a tool that does justice to its highly specialized products. Operations1 supports the market leader in making quality inspection more efficient, more transparent and, above all, easier.

Thanks to digital inspection protocols, employees are guided safely through the inspection process. Media integration, especially videos, helps increase process understanding, which subsequently leads to less scrap production.

The seamless connection to the ERP system facilitates the creation of test instructions. BWF Profiles produces over 9,000 profiles. Variant-specific inspection documentation can be fully digital – as can a dynamization of the inspection cycles, which halves the inspection effort by up to 50% and increases productivity.

Finally, BWF Profiles can focus on the quality of the highly specialized and customized products.

### The solution at a glance

- ✓ Integrated digital inspection instructions and checklists
- ✓ Media-supported process management
- ✓ SAP integration and variant configuration
- ✓ Dynamic test cycle modification and automatic report filing



operations<sup>1</sup>

# Rethinking Quality Inspection

Strengthen your employees and carry out processes safely, reliably and efficiently.

**Do you have any further questions? Contact us!**

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