

How Soudronic digitized, simplified and seamlessly integrated inspection processes in just a few weeks

Soudronic is a leading global manufacturer of production equipment for metal packaging and employs over 600 people worldwide. The company offers its discerning customers from more than 120 countries a comprehensive range of products from individual components to complete production systems and stands for **highest quality, innovative strength and user-friendliness**.

170 THOUSAND CHF SAVINGS PER YEAR

-95% EFFORT FOR DOCUMENTATION

-100% EFFORT FOR FILING AND ARCHIVING

I tried a lot and asked other companies. I can't be the only one with this problem, was my thought.



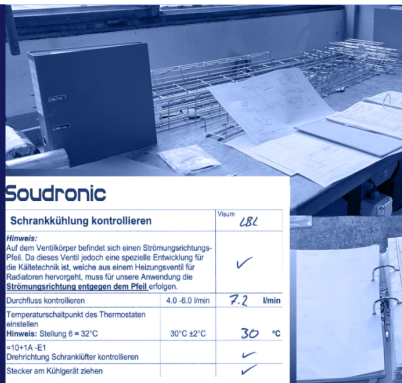
Cyril Maurer
Head of Testbench and Production, Soudronic

The challenge

When Cyril Maurer took over the Test Bench department in 2016, he quickly began looking for a solution to **digitize** and **seamlessly** map the **test documentation** of a machine throughout the entire production process. Mr. Maurer tested many different solutions such as InfoPath, PDF forms or MS Access. However, no option met the requirements.

Status quo: Paper-based test documentation

Due to the high quality requirements, the Soudronic team developed a comprehensive inspection process. After production planning compiled an entire file folder of inspection documents per machine, this traveled with the machine through the various production departments and was filed and archived after the test was completed. With around 100 machines and components per year that have to meet the highest requirements for safety and reliability, this means a lot of documentation.



Soudronic	
Schrankkühlung kontrollieren	Vision L&L
Hinweis: Auf dem Ventilkörper befindet sich einen Strömungsrichtungs-Pfeil. Da dieses Ventils jedoch eine spezielle Entwicklung für die Kälte-technik ist, welche aus einem Heizungsventil für Radiatoren hervorhebt, muss für unsere Anwendung die Strömungsrichtung entgegen dem Pfeil erfolgen.	✓
Durchfluss kontrollieren	4.0 -6.0 l/min 7.2 l/min
Temperaturschaltpunkt des Thermostaten einstellen	30°C ±2°C 30 °C
Hinweis: Stellung 6 = 32°C	
=10+1A -E1 Drehrichtung Schrankkühler kontrollieren	✓
Stacker am Kühlergerät ziehen	✓

Various pain points in the paper-based process



High effort for documentation

More than 1600 hours of effort per annum to compile and provide the right test documentation



Lack of transparency

No transparency on open or failed quality checks leading to repetitive documentation checks



Risks for process reliability

Reliance on employee's experience due to a lack of variant-specific protocols

Easy implementation of Operations1

The software has been in use at Soudronic since the beginning of 2020 and is used **internationally** and in **multiple languages**. In order to optimize the inspection process, which was characterized by paper printouts and system breaks, the **integration** with ERP and DMS followed promptly after the initial introduction. These integrations enabled orders from the ERP to be automatically linked to the detailed inspection processes in Operations1, and quality records created in Operations1 can be automatically stored in the DMS.

Less effort – more transparency and process reliability

By **reducing documentation efforts**, Soudronic saves over 170,000 CHF annually in just one area: The compilation of documentation now runs **digitally and efficiently per order** – the effort required for this dropped by 95%. **Automatic report generation** and **seamless data transfer** to the DMS completely eliminated filing and archiving efforts. Thanks to one point of truth, customization efforts were also reduced to a minimum. A change in a process step that is used multiple times is only made once, and affected documents are automatically adjusted.

