

Project ImPro

Production digital storage solutions implementation for tamper-proof documentation purposes

Duration of project
05/2017 – 04/2019

Problem Statement / Approach to Solution

Injection-molding tools have detailed tool documentation. These are mainly given as a hard copy to clients who are responsible for the compliance and safekeeping of these documents. The tool documentation includes tool booklets, initial sample test reports, design data (for data carriers), parts lists, documents for CE marking, further data sheets e.g. for heating ducts or sensors as well as instructions for disassembly/assembly. The goal of the research project, “ImPro” is to develop an intelligent electronic documentation system for the tamper-proof storage of all tool data as well as the storage of operating states. The module will be permanently integrated to the tool. In addition to role management, it enables the constant availability of all information.

Grant Information

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Keywords / Technology

- Hardware- / Software- development
- Intelligent documentation module for tools
- Miniaturized computer system for the extended temperature range
- Data revision
- Role management
- Construction data

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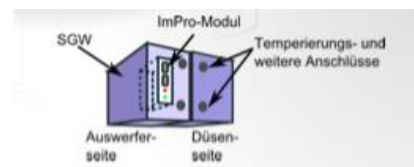


Fig. 1: The ImPro module is integrated into the injection mould (SGW). This enables specific and revisable data to be carried along coupled to the mould.