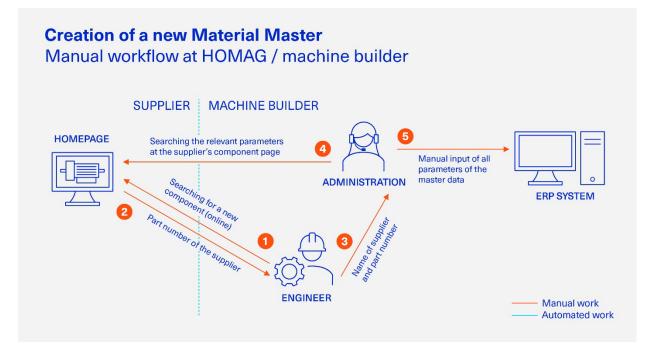


Automated Creation of Material Master Data



Elimination of Manual Entry of Material Master Data

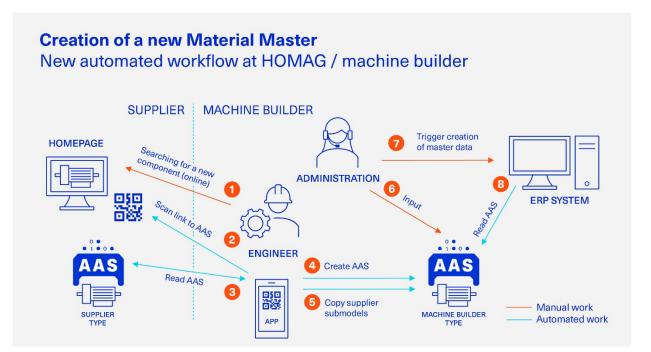
- Direct transfer of the component manufacturer's data into the ERP system's material master _
- Reduction of effort _
- Improved quality due to avoiding typing errors _
- Detection of duplicate material masters _
- Easy starting point for using the Asset Administration Shell (AAS)

When a machine builder uses a new component for the first time, a new material master must first be created in the ERP/PLM-system. This is usually a predominantly manual task today, because the necessary data has to be read from the component manufacturer's documents and entered manually in the ERP/PLM system. The approach shown here, using the component's Asset Administration Shell, eliminates this manual data entry.



The AAS enables full interoperability

The component manufacturer provides an Asset Administration Shell for each of its products on the internet. The data and documents describing this product are provided in a standardised and machine-readable manner via the Submodels standardised by IDTA. Via the also standardised interface (API), this data can be read and transferred directly into your own ERP/PLM system.



Easy integration of data

The illustrated solution shows a simple way in which the data of a component provided as an Asset Administration Shell can be automatically and digitally integrated into its ERP/PLM system in a very simple way. The necessary effort and investment costs are low because the necessary software is also provided by some companies as software-as-a-service (SaaS). This makes it very easy for the machine builder to become familiar with the Asset Administration Shell and its many possibilities without having to develop elaborate concepts in advance. If they are ultimately not satisfied with the solution, they can easily back out without any long-term adverse consequences for their company.