

DIGITAL ENGINEERING

Digital Specification Service



Bossard AG accompanies you from the concept phase on. Our support consists of three service packages which can be individually chosen or combined:

- We **digitalize your product samples** to integrate them in your 3D-assemblies.
- We **design your models**, bringing our technical knowledge, to help you optimizing them. Furthermore, we **structure and save your attributes** into a specification or drawing.
- We **print a 3D-prototype** of your product to perform functional tests and validate your concepts.

SCOPE**Design-in**

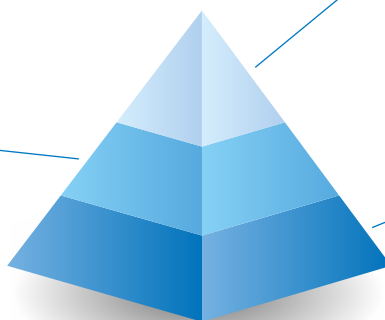
Design consulting to create, improve or adapt a product according to a specific application or manufacturing process. As an option, we offer to provide a complete specification.

Preparation

It is a Reverse Engineering Process itself. At the end, a complete 3D model based on a product sample and an attributes list is created.

Verification

The Verification phase stands for manufacturing a prototype and performing a requirements checking and a functional test.



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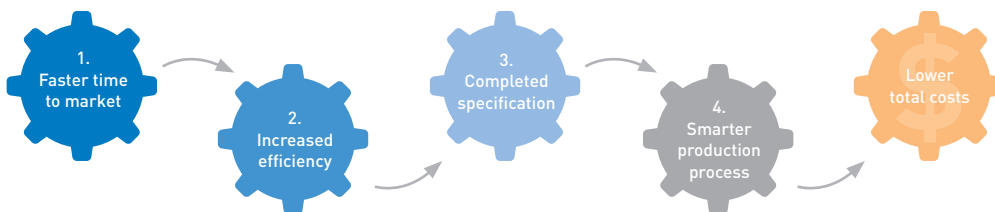
Effective optimization with our Digital Specification Service

Discover our offerings and service packages for your effective optimization and combine the services based on your specific needs:

		BASIC	ADVANCED	SUPERIOR
PREPARATION	Product Analysis Analysis of the product and choice of the adapted tools to perform Reverse Engineering.	Yes	Yes	Yes
	Preparation & Inspection Preparation of the product surfaces and performance of a geometries 3D capture.	Yes	Yes	Yes
	Alignment & Merging Gathering and merging all the captured data.	Yes	Yes	Yes
	Remodelling Data placement in a coordinate system and rebuild the 3D model.	Yes	Yes	Yes
DESIGN-IN	Model Customization Model modification according to customer needs.	No	Yes	Yes
	Manufacturing Adaption Manufacturing feasibility adaption of the model.	No	Yes	Yes
	Attributes Gathering (optional) Collection of all product attributes.	No	Yes	Yes
	Product Specification (optional) Providing the product data in a structured way.	No	Yes	Yes
VERIFICATION	Prototyping Providing physical samples.	No	Yes	Yes
	Checking & Review Functional test and requirements check.	No	Yes	Yes

VALUABLE BENEFITS OF THE MODEL BASED ENGINEERING

In the development of your new product you can benefit from various advantages:



Design your product with a focus on lean manufacturing and assembly methodologies from the very beginning. Gain from our expertise and let us find your best solution.