

ALBORE

Company & Manufacturing Capabilities

Product development | 3D CAD | Prototyping | Additive manufacturing

From idea to production

External partner for product development and manufacturing

Albore Design is a product development studio specialized in the development, prototyping and production of custom products and components. We support companies and professionals throughout the entire product development process, from the initial idea to the finished product.

PROJECT DEVELOPMENT

Concept development, engineering-oriented design and definition of solutions ready for prototyping and production.

3D CAD MODELLING

3D modelling of products, components, enclosures, supports and custom parts, including work from existing customer files.

PROTOTYPING

Functional and aesthetic prototypes for dimensional checks, assembly verification, testing and product validation.

PRODUCTION

Small and medium series production, with direct additive manufacturing capabilities and additional processes through specialized partners.

WORKING MODEL

Albore Design can handle individual projects and orders or act as an ongoing external partner when additional development, prototyping or manufacturing capacity is required.

A single workflow from concept to final production

Our approach keeps design decisions connected to prototyping and manufacturing requirements, reducing unnecessary iterations and helping move projects toward a producible solution.

01- ANALYSIS

Requirements, intended use, constraints, quantities, materials and production targets.

02- DEVELOPMENT

3D CAD modelling, technical definition, component integration and design optimization.

03- PROTOTYPING

Physical prototypes for dimensional, functional and assembly checks, followed by revisions where required.

04- PRODUCTION

Small or medium series manufacturing and coordination of additional specialized processes when needed.

Additive manufacturing for prototypes and series

Our direct additive manufacturing activity is mainly based on FDM technology. We work with different materials according to the functional and aesthetic requirements of each project.

Technology	FDM / FFF additive manufacturing
Core materials	PLA PETG TPU
Typical output	Functional prototypes Technical parts Enclosures Supports Custom products
Production scale	One-off prototypes Small series Medium series
Input	New product development or customer-supplied CAD / 3D files
Additional processes	Managed through a network of specialized manufacturing partners when required

DESIGN FOR MANUFACTURING

During development we consider manufacturability, assembly, material choice and production constraints. Geometry can be optimized to reduce unnecessary complexity, support requirements, assembly operations and production time.

FLEXIBLE CAPACITY

Projects can start from an early concept, an existing physical reference, or customer-supplied 3D files. This allows Albore Design to support both development projects and production-only requirements.

From custom development to finished products

A selection of Albore Design work illustrating product development, prototyping and finished-product capabilities. Detailed technical documentation can be shared according to project requirements and confidentiality constraints.



Custom product development



Custom wireless lamp development



Custom product development



Custom product development

A flexible external partner for your next project

We are available for individual development and prototyping projects, production orders and ongoing collaborations with companies that require additional external capacity.

PROJECT	From initial requirements to a defined 3D solution.
PROTOTYPING	Functional prototypes and iterative development before the final production.
PRODUCTION	Small and medium series, with direct additive manufacturing and a specialized partner network.