

Industrial design

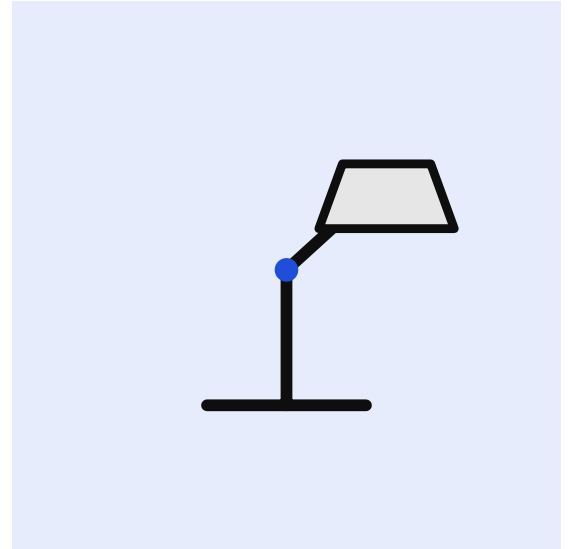
Designs mass-produced products, taking care at the same time of how they work, how they are used, how they are made and how they look.

In Spanish

Diseño industrial

Origin

Born with industrial production; history by Heskett (1980); definition by the World Design Organization (2015)



What it deals with

An object made thousands of times also repeats its successes and its mistakes thousands of times.

Principles

Use

The object has to work and make sense in the hands of the person using it.

Manufacturing

You design with production in mind: how it is made, in which materials and at what cost.

More than objects

Today the definition also includes systems, services and experiences.

Applications in design

✓ Use it like this

Test physical prototypes with real people before manufacturing.

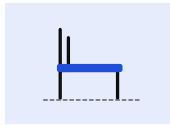
✗ Avoid

Deciding the form without knowing how it will be made.

👁 Don't fall for it

Also think about the end of its life: how it is repaired, taken apart or recycled.

Especialidades



Specialty

Furniture design

Designs furniture that supports the body, organizes space and can be made viably.



Specialty

Transportation design

Designs the form, interior and use of cars, buses, trains, bicycles and other vehicles.



Specialty

Color, material and finish (CMF) design

Chooses a product's color, material and finish so it looks, feels and lasts as intended.

Connections

Builds on

■ Human-computer interaction (HCI)	■ Affordance	■ Ergonomics and human factors
■ Design history and criticism	■ Universal design	■ Four orders of design

Related to

■ Algorithmic design	■ Circular design	■ Computational design
■ Interaction design	■ Fashion design	■ Packaging design
■ Product design	■ Wearable design	■ Ubiquitous computing design
■ Sustainable design	■ Ecodesign	■ Food design
■ Tangible interaction		

Authors and works

1980	John Heskett	Told the history of industrial design as tied to mass production.
2015	World Design Organization	Redefined it as a strategic problem-solving process for products, systems, services and experiences.

Sources

Original sources

- World Design Organization (2015). Definition of industrial design. Adopted at the 29th General Assembly, Gwangju (South Korea). [View source \(https://wdo.org/about/definition/\)](https://wdo.org/about/definition/)

Secondary sources

- Heskett, J. (1980). Industrial design. Thames & Hudson.

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