

# Furniture production in the era of 4.0 manufacturing: Faster and un-interrupted!

## 1 STEP ONE: DESIGN AND REVIEW

Speed has become increasingly critical: *today's consumer just won't wait.*

**The winners are producing pieces faster than ever and it starts in the design room.**

The **latest design software** allows for real-time collaboration and instantaneous feedback and improvements. Validation is as simple as a click of a button... from anywhere in the world.

And **digitalization** expands the creative process, allowing for limitless designs and variations.

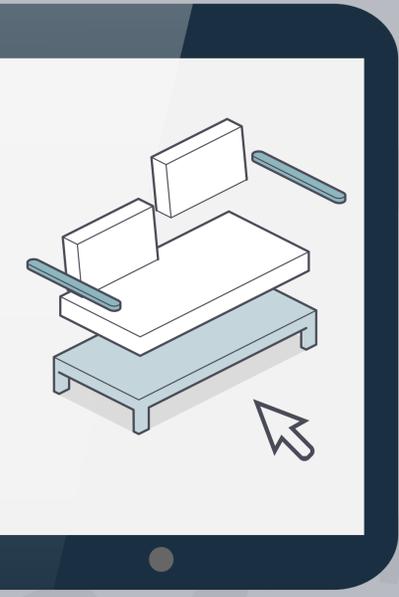


## 2 STEP TWO: PROTOTYPING

Thanks to **virtual prototyping**, the moment when a company would normally start to physically "build" the design has been dematerialized.

**Traditionally it was impossible to know exactly how much an item would cost** until a physical prototype—dimensions, upholstery, and inner structure, leather or wood—had been created in the "real-world."

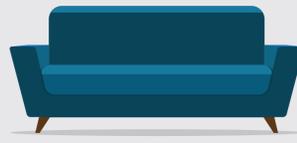
Using a virtual prototype, companies can obtain the majority of final product costing elements before mobilizing any physical resources.



## 3 STEP THREE: PATTERN MAKING

**Advanced pattern-making solutions** enable companies to **create variants and develop a complete range of upholstered products from a single prototype.** They also allow modifications made on one pattern to be transferred to all models in the same collection—by using a system of dependencies among models.

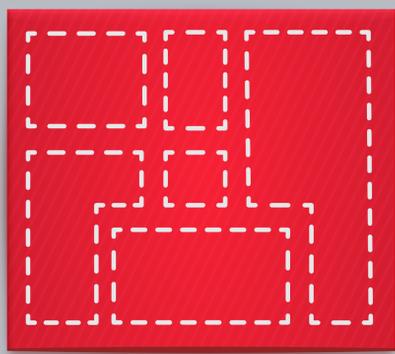
The majority of components that make up a collection or piece have already been developed, tried, and used in prior pieces. **Complete access to past and present product specifications** makes it easy to deliver faster, by mixing and matching the best of the past with the styles of the future.



## 4 STEP FOUR: MARKER MAKING

**Complex markers** can be generated **quickly and automatically** to achieve an accurate estimate of how much fabric is needed.

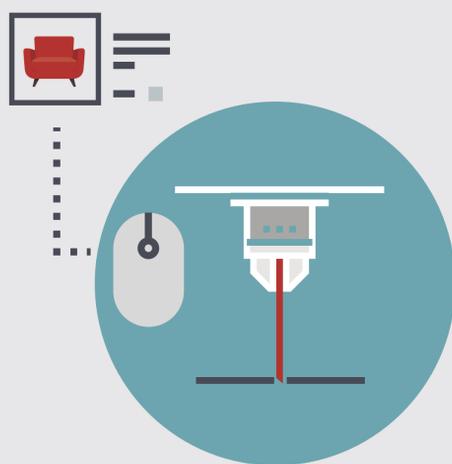
This means **costs can be calculated before any materials are purchased or cut**, and gives negotiating power to the furniture companies, who were often basing orders on guesswork.



## 5 STEP FIVE: CUTTING

The **cutting room** is where bottom lines really play out. It's simple: the goal is to produce more by achieving the most efficient material usage. **Digital delivery of cutting jobs to the cutting room increases throughput** and also ensures that any design modifications made upstream are automatically considered.

**Connecting the production line with data reduces errors** and is an essential step towards maximizing each fabric and leather cutting line.



## 6 STEP SIX: OFFLOADING AND BEYOND

**Visual offloading assistance** with color-coded pieces allow even unqualified operators to identify bundles, **saving time and drastically reducing errors.**

It also **enhances material savings** by allowing several styles to be combined in the same work order, thanks to a color manager that organizes by variant or visualization of any other desired element.



### INTERESTING STUFF, RIGHT?

For more insight, **download** our latest e-guide to get the full picture.