

Designing Custom Manufactured Metal Components

How to Reduce Costs & Avoid Quality Issues

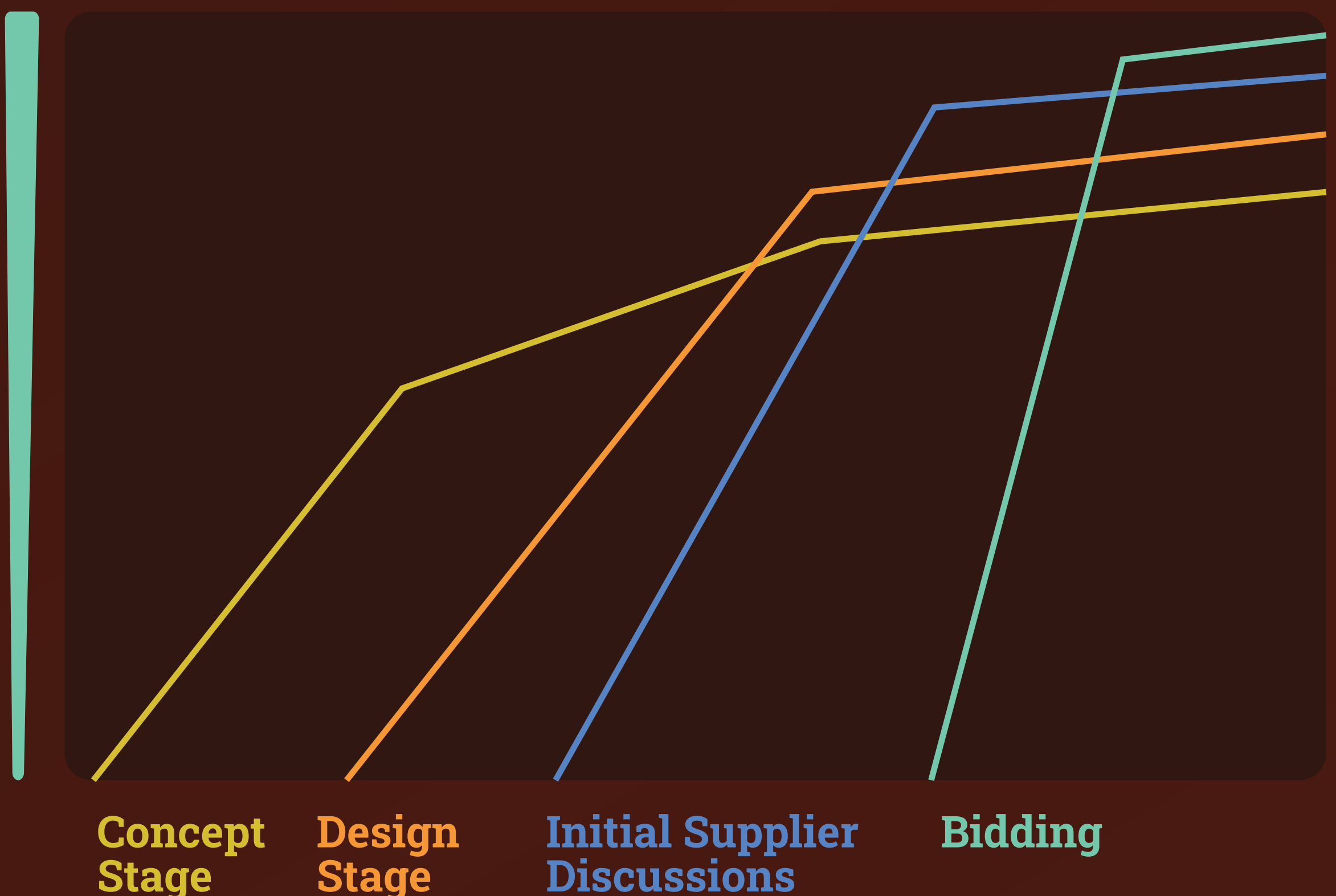
Designers of custom metal components are experts in defining the physical and mechanical properties needed for the part they are designing. However, most are not familiar with all the manufacturing options available to them and struggle to find time to contact suppliers to determine different manufacturing processes available for them.

The key when designing a metal component is the earlier a designer can select the manufacturing process and involve the supplier in the design, the more they will remove cost drivers and potential quality issues. This means the designer can take full advantage of the capabilities of the manufacturing process, save time, and money.

The chart below displays various stages in the manufacturing process that designers need to be aware of. Each stage includes project costs.

Ultimate project costs are influenced by the stage at which procurement and suppliers become involved in a project.

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 Ultimate Project Costs



If the designer is able to choose the most efficient manufacturing process and even lower the number of project costs and their stages, they can then keep their focus on application and the functionality of the component. This is where a third-party consultant or representative agency has extreme value.

Find a Quality Supplier to Make Your Component

Find A Supplier

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