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One of the main reasons why the micro mold is preferred in the modern day is because it offers an extremely cost effective solution. Moreover, there are quite a few industries including automobiles and electronics where extremely miniaturized components are used. In such cases, micromold components are used to provide custom solutions. These processes also come handy in the medical industry. There are some interesting ways in which one goes about designing these miniature components. Companies that use micro molds often create the prototype, get it approved and then automate the mass production of components so that there is no confusion or ambiguity.

Machining was something used until recent times but when the size of components is very small and where a high degree of precision is required, micro molding becomes a very important process. It is not only an economically feasible alternative but it also helps when there is high precision tolerance or when the design is way too complex for machining. In such scenarios, when you need accuracy in spite of how complicated or complex the design is, micro molding is used.

You can also find uses of micro mold in the aerospace industry as well as in the dental industry. The accuracy and precision even in case of surgical instruments is quite critical which is why you would need molding to attain success. Similarly, when the designs or shapes are intricate you can make use of micro molds to get exactly what you want. In the medical industry, the combination of technology to create materials with extreme properties and the micro molding process can help in shaping objects which could not have been created a few years ago through sheer machining, especially when there is a really high degree of miniaturization present as well.

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James Blee - About Author:
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