

“The Islamic Arts effect on the development Of glass flame working mechanisms”

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Abstract:-

Glass flame working is one of glass forming techniques since nineteen century, as it allows the making of many of glass products with small details and high aesthetic value influences, this by exposing the glass to direct flame with the use of multiple tools and equipment which constantly developing.

The forming tools and molds considered to be one of the important elements influencing the glass flame working, where it can be used as a variety of means to develop production stages, allowing the opportunity to reach artistic and usability values which more diverse and richer.

The elements of Islamic art with its richness and diversity are important aesthetic elements that could be the main influential in glass flame working development, the aesthetic elements of Islamic art depend on geometric, floral and arabic calligraphy motifs. Those elements are linked mainly with a system depends on formation repeatability, this requires the development of some formation means to suit the methods of glass flame working.

The research problem is trying to answer some questions as: Is it possible to utilize from the elements motifs of Islamic art in glass flame working? How can the development of tools and molds for the formation of glass flame working to fit the aesthetic requirements of Islamic Art?

The research aims to develop various mechanisms of glass flame working to fit the aesthetic requirements of Islamic Art, this to confirm on the research importance in developing aesthetics and methods of glass flame working with benefit from the Islamic Arts.

The research assumed that it could be utilize from the aesthetics of Islamic Arts in the development of the technique methods, molds and tools of glass flame working.

And it has been done some work experiences and applications to reach a number of important results, the most important one is developing the mechanisms of glass flame working technique with creating molds and tools suited to the application of Islamic decorative arts.

