



ARTISTIC CASTING IN THE SCULPTURE OF SMALL FORMS

Usmanov Ulugbek Shavkatovich

Associate Professor of the Department of Sculpture, Faculty of Fine Arts, National Institute of Painting and Design named after Kamoliddin Behzod

<https://doi.org/10.5281/zenodo.11241928>

Annotation: This article aims to provide an overview of the art of casting small forms in sculpture, exploring the techniques, challenges, the process of artistic casting in small forms and rewards associated with this specialized artistic practice.

Key words: artistic casting, small forms, sculpture, technique, miniature scale, craftsmanship, contemporary sculptor, bronze casting, resin techniques.

Introduction:

Artistic casting, a technique rooted in the rich history of sculpture, offers artists a versatile and dynamic method of creating intricate and detailed small forms. From the ancient civilizations that first mastered the art of casting metal to contemporary sculptors pushing the boundaries of creativity, the process of casting has evolved into a sophisticated art form that continues to captivate and inspire.

Literature analysis and methodology:

Casting involves the creation of a sculpture by pouring a liquid material, such as metal or resin, into a mold to achieve a desired form. This technique allows artists to reproduce their original designs faithfully, capturing fine details and textures that may be challenging to achieve through other methods. In the context of small forms, casting offers artists the precision and control necessary to create delicate and intricate sculptures on a miniature scale.

When applied to the creation of small sculptures, casting becomes a powerful tool for artists to explore intricate details and express nuanced emotions. Whether crafting a miniature figurine, a decorative ornament, or a tiny replica of a larger sculpture, artists can leverage the casting process to imbue their creations with a sense of intimacy and charm. Small forms invite viewers to engage closely with the artwork, appreciating the skill and artistry required to bring such intricate pieces to life.

Results:

The tactics of artistic casting of small forms traditional lost wax as a universal technology, etc. traditional foundry is recorded. The ways of modern technologies with the purpose of expressing artistic and imaginative solutions in the embodiment of the ideas of the sculptor creatively expand the conceptual capabilities of the sculptural structure of a small form using artistic chiseling and welding, types of non-traditional lost wax casting. There is a need for experience in creating competences for casting in the training of future specialists in the field of sculpture and restoration and sight.

Under the conditions of the modern art market, technology and original techniques are important for casting in plastic molding of a sculpture of small forms. Unique casting techniques aimed at obtaining post-processed, natural surfaces of unique shapes and

curvatures of artistic elements of composition without further costly and time-consuming additional processing. The historical grounds of the sculptural structure of the small form are artistic casting. These include various types of casting: direct lost wax, facing lost wax, the principle of melting wax and metal pouring. The advantages and disadvantages of the technology of casting a sculpture of small forms are highlighted.

Discussion:

Artistic casting in small forms typically begins with the creation of a master model, either sculpted by hand or formed through various modeling techniques. This master model serves as the blueprint for creating molds that will be used to cast multiple replicas of the original design. Artists may choose different casting materials, such as bronze, plaster, or resin, depending on the desired characteristics of the final sculpture.

While casting small forms presents unique challenges, such as ensuring the fidelity of details and managing the intricacies of mold-making and casting processes, the rewards of this artistic endeavor are equally significant. Artists who specialize in small form casting have the opportunity to showcase their technical prowess, attention to detail, and creative vision through pieces that invite viewers to appreciate the beauty of the miniature world.

Conclusion:

In conclusion, artistic casting in the sculpture of small forms stands as a testament to the enduring legacy of craftsmanship and creativity in the art world. Through the intricate process of casting, artists transform raw materials into miniature marvels that delight and inspire audiences. From traditional bronze casting to innovative resin techniques, the art of casting small forms continues to push the boundaries of what is possible in sculpture, offering a glimpse into the boundless imagination of talented artists across the globe.

References:

1. The world of artistic casting: the history of technology / N.I. Bex, V.A. Vasiliev, E.Ch. Guiney, A.M. Petrichenko. - M.: Metallurgy, 2001.
2. Zotov, B.N. Artistic casting / B.N. Zotov. - M.: Mechanical engineering, 2011.
3. Magnitsky, O.N. Artistic casting / O.N. Magnitsky, V. Yu. Pirainen - St. Petersburg: Polytechnic, 2000.
4. Urvachev, V.P. Art casting using lost wax models of copper alloys / V.P. Urvachev, V.V. Kochetkov, N.B. Gorina. - Chelyabinsk, Metallurgy, 2004.

