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HANDCRAFTED ARTISTIC MOLDING IN CONTEMPORARY ARCHITECTURE

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Abstract

This article examines the significance of handcrafted artistic gypsum molding in contemporary architecture. Despite rapid technological advancements and the widespread use of modern construction materials, handcrafted decorative elements continue to be in high demand due to their artistic value, uniqueness, and durability. Particular emphasis is placed on the manufacturing technology of molded elements, their role in shaping the architectural appearance of buildings, and the development prospects of this field of decorative and applied art.

Keywords: artistic molding, architectural decor, craftsmanship, gypsum, bas-relief, restoration, contemporary architecture.

Introduction

Architectural ornamentation constitutes a vital part of global cultural heritage. For centuries, artistic molding has adorned palaces, temples, theaters, public buildings, and private residences. Today, despite the proliferation of mass-produced decorative components, interest in handcrafted artistic molding not only persists but continues to grow. This trend is driven by a desire to create unique architectural objects characterized by distinct individuality and high aesthetic value.

Handcrafted molding enables the execution of complex artistic concepts that cannot be fully replicated through industrial manufacturing. Consequently, it is extensively utilized in the restoration of historic structures, the construction of



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high-end residential estates, and the interior design of hotels, museums, religious sites, and public spaces.

The Significance of Artistic Molding in Contemporary Architecture

Modern architecture synthesizes innovative technologies with traditional artistic methods. Under these conditions, handcrafted molding serves not merely as an ornamental element, but as an integral component of the architectural composition.

The implementation of custom, author-designed molding allows architects to create exclusive facades and interiors, emphasize architectural styles, and impart artistic expressiveness. Unlike standardized mass-produced items, handcrafted work offers distinct individuality, high detail fidelity, and a unique character.

Artistic molding is particularly sought after in classical interior design and in projects that integrate contemporary architectural solutions with traditional decorative elements. Increasingly, architects employ molded compositions as a primary medium for establishing a building's unique artistic identity.

Manufacturing Technology of Handcrafted Artistic Molding

The production process of molded architectural elements involves several sequential stages:

1. Design and Modeling: Initially, an artistic concept sketch is developed, taking into account the architectural characteristics of the building and the client's specifications. Subsequently, a full-scale plastic model is sculpted, in which all decorative motifs and fine details are meticulously refined.

2. Mold Fabrication and Material Selection: Following model approval, molds are fabricated for subsequent production. High-strength architectural gypsum is



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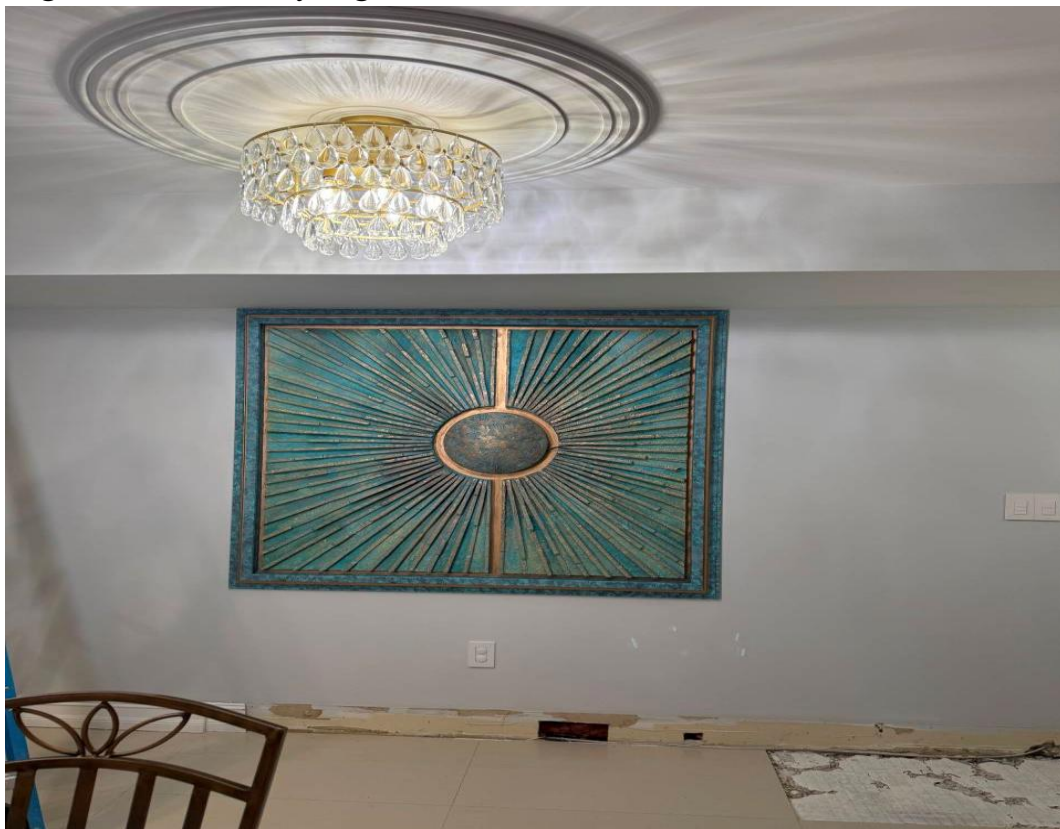
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most commonly employed as the primary material due to its environmental safety, fire resistance, precise detail reproduction, and durability.

3. Casting and Curing: Following the casting of the gypsum mixture, the product undergoes a curing process, after which it is demolded, cleaned, manually refined, and, if necessary, reinforced with specialized materials to enhance structural integrity.

4. Finishing: Surface sanding, preparation for painting, and decorative finishing are performed.

5. Installation: The final phase consists of the professional installation of the molded elements directly at the architectural site, in strict accordance with building codes and safety regulations.





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Advantages of Handcrafted Molding

The primary advantage of handcrafted artistic molding lies in its uniqueness. Each piece is crafted individually by a master artisan, representing the culmination of creative labor.

The principal merits of handcrafted molding include:

- High aesthetic and artistic value;
- Precise reproduction of complex ornamental geometries;



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- Adaptability for manufacturing components of arbitrary scale and complexity;
 - Environmental safety of the constituent materials;
 - Durability and ease of maintenance;
 - Capacity for full restoration of damaged elements.

Owing to these qualities, handcrafted molding maintains its high relevance despite the dominance of mass industrial production in architectural decor.

Future Prospects and Development

Modern digital technologies significantly expand the design capabilities of architectural ornamentation. Computer-aided 3D modeling enables the development of complex structural projects; however, final artistic execution continues to necessitate a high degree of manual craftsmanship.

A promising direction forward lies in the synthesis of traditional hand-sculpting methods with contemporary technologies for design, mold fabrication, and architectural restoration. This integrated approach preserves cultural heritage while simultaneously facilitating the creation of new works of architectural art.

Conclusion

Handcrafted artistic molding remains a vital element of contemporary architecture, synthesizing historical artistic traditions with modern construction technologies. Its application contributes to the creation of unique architectural objects characterized by high aesthetic and cultural value.

The preservation of traditional craftsmanship, the optimization of manufacturing technologies, and the training of qualified specialists constitute essential prerequisites for the further advancement of this field of decorative and applied art. In the context of modern construction, handcrafted artistic molding continues



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to hold a distinguished position, confirming its enduring relevance, demand, and artistic significance.

References

1. Baranovsky, G. V. (2022). Arkhitekturnyy dekor: istoriya i sovremennost' [Architectural Decor: History and Modernity]. Moscow: Arkhitektura.
2. Kovalev, A. P. (2021). Tekhnologiya izgotovleniya gipsovykh izdeliy [Manufacturing Technology of Gypsum Products]. St. Petersburg: Stroyizdat.
3. Lisitsky, V. I. (2020). Restavratsiya arkhitekturnogo naslediya [Restoration of Architectural Heritage]. Moscow: Stroyinform.
4. Chepurnoy, N. S. (2019). Dekorativno-prikladnoye iskusstvo v arkhitekture [Decorative and Applied Art in Architecture]. Moscow: Akademiya.