

## Performance and Application of Metal Material in Decorative Sculpture

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**Abstract:** With the rapid development of society, people's pursuit of aesthetics is constantly improving. The abundant materials and techniques of decorative sculpture are the scientific and material basis of its artistic products, which are of great significance in artistic research and practical application. Metal material has become the favorite choice of decorative sculpture artists because of its excellent ductility, strong formability, corrosion resistance and other basic characteristics. Nowadays, decorative sculptures have been widely used in people's daily life and become more and more important. The decorative sculpture of metal materials brings different aesthetic enjoyment, and the technical factors such as processing methods compatible with materials are becoming more mature. The artists of modern decorative sculpture are very open and active. This article describes the performance and application of modern decorative sculptures in the decorative metal materials.

### 1. Introduction

With the changes of the times, the continuous development of society and the innovation of science and technology, people have created enormous social material wealth, which has greatly improved people's lives [1]. Decorative sculpture belongs to a kind of ideology which is historic and contemporary and can show people's thoughts and ideology. The material and technology of decorative sculpture is an important link in practical application [2]. The aesthetic performance of materials and the application of process methods have a decisive impact on the creation of sculpture. Different materials have different performance, different materials in decorative sculpture in different applications, will also bring different artistic effects [3]. The texture, color, molding method, surface treatment and so on of the material determine the aesthetic style of decorative sculpture art. Metal materials have become more and more the darling of decorative sculpture artists with its excellent ductility and strong moldability and corrosion resistance [4]. The metal welding decorative sculpture course has changed the teaching mode of traditional sculpture since ancient times under the new concept of decorative sculpture art, new materials, new processing methods and new craftsmanship [5].

The advancement of science and technology and the improvement of processing technology have brought the possibility of using new materials to make sculptures for the development of decorative sculpture art. More kinds of metal materials have entered people's sights [6]. The rich materials and techniques of the current decorative sculptures are the scientific and material basis of their artistic products, which are of great significance in art research and practical application [7]. Decoration has gradually become an inseparable art form that is closely related to people's lives and integrated into them. The decorative sculpture of metal materials brings people different aesthetic enjoyment, and the technological factors such as processing means matched with materials are becoming more mature. The development of decorative sculpture of metal materials is further promoted by the combined action of various factors [8]. Abstraction, formalization, liberalization and modernization are the main features of modern metal welding decorative sculpture art language. The artists of modern decorative sculpture are very open-minded and active. In this paper, the metal materials of decorative sculpture are elaborated on its performance and application in modern decorative sculpture.

## **2. Characteristics of Metal Material in Decorative Sculpture**

### **2.1. Process Performance**

Metal decorative sculpture creation, only design is not enough, it should be achieved through the production of technology, a work of art creative ideas and its production process are always common development. With the help of distinctly different processing methods and processes, various metals can show distinctly different visual aesthetics, tactile aesthetics and become attractive metal sculptures. When modern metal decorative sculpture develops into a highly industrialized era, people want to find out more about human emotions and pay more attention to the inner world of human beings. In the face of the first contact with metal materials, a relatively clear and clear basic course teaching is very important. What the artist wants to express in his own works is not pure art, nor the art of pleasing others, but just want to express his inner language and art [9]. Under the premise of understanding the metal material processing technology, selecting the appropriate processing method according to the specific conditions of the creation will make the metal material decorative sculpture have more tension in performance.

### **2.2. Material Performance**

Material can convey people's physical and psychological feelings, so the unique attribute is texture. Mining the expression language of welding art in the creation of modern metal decoration art: As an industrial technology, the emergence of welding caters to the needs of the development of metal art for new technological means. Metal materials have various forms, and there are obvious differences in chemical structure and physical properties of each material. Firstly, there are distinct differences in processing methods, which can produce distinct artistic styles. Secondly, it can show obviously different color effects. Each kind of material brings different aesthetic feeling because of its own physical properties and different states of being used. How to explore the characteristics of materials from the metal itself has become a problem to be solved in metal teaching in the past two years. For design creators, what kind of materials they choose and what kind of artistic effects they want to create must be based on the analysis and research of materials, so as to truly embody the aesthetic feeling of materials and enrich the language expression of works.

## **3. How to Realize the Perfect Combination of Material and Decorative Language in Creation**

Artists integrate their subjective feelings and creative needs into the main body image of their works, and emphasize and highlight the language features of the body on the basis of generalization and refinement. The language form of art has become broad, which provides a very tolerant environment for artists. The most prominent point of metal art lies in the perfect combination of material, craft and art. When people's life is full of this kind of industrial products, it only brings people changes in material life, including the endless development and destruction of the natural environment [10]. It usually depends on the artist's creative imagination and is the embodiment of the artist's talent and wisdom in the creation process. In the process of distortion and exaggeration, the artistic image can reflect the tension of life and the intensity of survival. Generally speaking, environmental decorative sculpture often combines forging and welding perfectly and carries out creative activities by means of polishing. Smart artists do not create unchanged, but according to the specific creation of the work to have a unique form of language.



Fig.1. Metal material welding sculpture

Forging process from the creative link can produce obvious differences in texture, block welding generated scratches. It can also be used as an artistic form of expression by artists. Figure 1 is a metal welding sculpture.

In the decorative sculpture of metal materials, stylization is a form of language with norms and senses, formed on the basis of certain constraints. Different metal materials are used, and different welding techniques are used. The art of welding can be fully realized in different metal art forms. The application of welding technology brings the sculptor into the physical properties of materials, and brings the generalized poetry of physical properties into the artistic expression of sculpture, which makes the works have a very active artistic language with vocabulary. Artists can use metal materials scientifically and reasonably and have their sudden nature. They can mobilize divergent thinking and create a simple and heavy feeling for the audience. Whether it is abstraction and generalization, exaggeration and distortion, rhythm and rhythm or stylized language form, it can exist independently or be integrated with each other.

#### 4. Conclusions

With the development of society, people's aesthetic changes, the demand for decorative sculpture is growing. Due to the continuous improvement of the level of modernization and the acceleration of the pace of life, the material pursuit slowly surpasses the spiritual pursuit. The incorrect social environment hinders the improvement of diversification, and there is no essential difference between artistic creation and other industries in some respects. The artistic concept of modern metal decorative sculpture has gradually become a reflection of people's concept of society. The artist's open social consciousness makes the art itself and the kind of artist's personal display brought to the audience. The use of materials promotes the development of decorative sculptures. It can also be said that the development of decorative sculptures is equivalent to the history of materials. With its unique charm and artistic expression, metal decorative sculpture not only enhances the quality of people's lives, but also meets people's needs for aesthetics. Not only because of the promotion of industrialization and the advancement of technology, the visual and aesthetic feelings that metal materials bring to people with their own characteristics are unique. With its new concept, unique creativity, rich materials, craftsmanship and exquisite craftsmanship, it continues to exert its great expressive power and emphasizes the spiritual and psychological effects of the works on people.

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