

# Application Analysis and Innovation of Cloisonne Technology in Indoor Household Products

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**Abstract:** With the gradual improvement of people's quality of life, more and more people pay attention to indoor furniture. At the same time, the beauty of traditional Chinese culture has been favored by more and more people. Cloisonne, as a representative handicraft of Chinese culture, is not only widely used in People's Daily life, but also one of the souvenirs purchased by tourists at home and abroad. Therefore, the cloisonne process applied to the design of indoor household items can not only improve the popularity and reputation of our traditional national culture, but also bring a unique visual feeling to the home environment with the help of the unique decorative effect of the Cloisonne. Therefore, there are more and more researches and practices on the application of Cloisonne technology in indoor household products.

## 1. Cloisonne home accessories application

Cloisonne is a traditional enamel craft in China, which began in the Ming Dynasty. It is a work of art made of bronze ware as a body, then coated with a glass body, painted on the body with different colors, and finished by firing, polishing and polishing many times. Because of its bright color, full of luster, gorgeous and elegant and people's favorite, has been widely used in the field of home decoration.

### 1.1 Application of cloisonne home accessories

The application of Cloisonne home accessories mainly has the following aspects:

(1) Decorative picture: The use of cloisonne color and decorative effect, to produce a beautiful decorative picture, can highlight the elegant taste in the home environment, make the eyes shine.

(2) Furniture decoration: Cloisonne can not only make a variety of jewelry, but also as a furniture finish, greatly increasing the decorative and aesthetic degree of furniture.

(3) Daily necessities: Cloisonne technology can also be applied to the production of daily necessities, such as vases, tableware, tea sets, aromatherapy lamps, etc. These supplies are not only practical and beautiful, but also reflect the cultural heritage and historical accumulation.

(4) Lamps: Cloisonne can also be made of unique style lamps, the light through the glass to render a charming color, add a warm and romantic atmosphere at home.

To sum up, the application of Cloisonne home accessories has been widely promoted and applied. Through the integration of Jingtai blue technology and modern home life, while increasing the beauty of life, it also allows the ancient skills to be inherited and carried forward, reflecting the charm of traditional Chinese culture.

### 1.2 Application of Jingtai Blue ceramic products

Cloisonne porcelain is a combination of ancient ceramics and cloisonne craft of Ming and Qing dynasties. It is famous for its bright colors, gorgeous decoration and rich cultural connotation[1]. In modern times, Cloisonne ceramic products have become a very popular art, widely used in home decoration, gift, collection and other fields. The application of Cloisonne ceramic products mainly has the following aspects:

(1) Home decoration: Cloisonne ceramic products are screened and matched by craftsmen, and then fired by special high temperature. Its beautiful shape and bright colors are often used in home decoration. For example, blue and white porcelain vases, Jingtai blue flower POTS, Jingtai blue

incense burner are common decorative patterns.

(2) Gift: Cloisonne ceramic products in addition to eye-catching artistic value, but also has the characteristics of cultural connotation and quality elegance. It is often used in special festivals, such as the Mid-Autumn Festival, the Spring Festival and other festive occasions to send friends and relatives to express blessings and thanks.

(3) Collection: Due to the long production time of cloisonne ceramic products, the process is complex. Therefore, the collection value is high, coupled with the limited production, so it has become one of the collectors' favorite collection varieties.

In short, Cloisonne ceramic products have a wide range of applications, not only for home decoration, but also as an elegant and high-end gift, and it is also one of the collections of many collectors. It not only has exquisite appearance, but also contains profound cultural connotation, which is a very precious cultural heritage.

Second, the application of Cloisonne technology in the innovative design of household goods.

## **2. Application of cloisonne technology in the innovative design of household products**

### **2.1 Innovation of knowledge payment home design**

In the innovative home design of Cloisonne craft, the knowledge paid home design enables consumers to better enjoy personalized design services. For example, the knowledge paid home designers can according to the needs and preferences of consumers, combined with the characteristics of Cloisonne process and market demand, to provide consumers with customized design solutions and services to meet the needs of consumers for high-quality, creative, personalized home products.

And for the Cloisonne process itself, the knowledge paid home design also provides a new marketing method and design concept. In this mode, designers can constantly introduce cutting-edge design concepts and technologies, innovative design schemes, and inject new elements and inspiration into Cloisonne craft household items.

### **2.2 Cloisonne based home green environmental protection design**

In the innovative design of household goods, the Cloisonne based green environmental protection design can combine traditional manual technology with modern advanced technology, and pay attention to environmental protection and sustainability in the selection, processing and use of raw materials[2].For example, through the use of natural environmentally friendly materials and green production processes, to create household items that meet modern environmental standards. At the same time, industry standardization, supervision and certification also need to be strengthened to ensure product quality and user experience. The cloisonne based home green design can not only meet the needs of consumers for environmental protection and healthy life, but also give full play to the cultural value and economic benefits of the cloisonne traditional craft. At the same time of product design, it can also promote the inheritance of folk culture, and provide a broader space and market for the sustainable development of traditional crafts.

It can be seen that in the innovative design of household goods, the cloisonne based green environmental protection design is a development direction of great significance. By emphasizing the environmental protection and sustainability of products, the quality of people's lives can be guaranteed, the cultural value and economic benefits of cloisonne technology can be strengthened, and the sustainable development of traditional technology can be better promoted.

### **2.3 Global home design based on Cloisonne**

The globalization design of home based on Cloisonne is a design concept that combines the traditional craft of cloisonne with modern design concepts, pays attention to cultural integration, and meets the needs of the international market. In the context of globalization, cloisonne based home design faces many challenges, such as language, aesthetic concepts, cultural differences, etc. Therefore, how to combine cloisonne craft with cultures and backgrounds around the world will be an important task.

In the context of globalization, Cloisonne based home design needs to pay more attention to cultural integration to meet the needs of the international market. Only by finding a design scheme suitable for the aesthetic concept of consumers in different regions and paying attention to cultural exchanges, can the Cloisonne traditional technology continue to develop and develop better in the international market.

### **3. Cloisonne technology in modern household products innovative design methods**

#### **3.1 Enhancing functions from User requirements**

The user is the main body of design, and the design of household products can be said to help users solve problems in life and serve users. In the product function design, it is necessary to conduct in-depth and systematic research and analysis on the needs of users, and comprehensively consider the various factors composed of people, things, behaviors, environment, space and so on. If the product design is just a simple transformation of the appearance of the form without in-depth consideration of the user's needs for the product, the use of the way, then such a design is a metaphysical design[3].

The application of Cloisonne technology in household products is more reflected in the aesthetic function level, and rarely takes into account the user's behavior and psychological feelings at the use function level, which is difficult to perfectly meet the diversified needs of users. Therefore, Cloisonne in the design of home products should enhance the use of product functions, uphold people-oriented, more humanized elegance. Through questionnaire survey and user interview, we can investigate users' understanding of Cloisonne home products, functional tendency, purchase intention and interest, etc., so as to have an in-depth understanding of users' use needs. At the same time, it is also necessary to achieve both practicality and decoration, not only to meet the needs of users to use the function, but also to increase the fun and fresh experience of users' home life, rather than becoming a shelf of crafts or furnishings.

#### **3.2 Extracting form from nature**

There are abundant natural forms in nature, which can provide a steady stream of inspiration and materials for the design of household products, bringing new design ideas, creative skills and lifestyles[4]. In the process of evolution and evolution, nature has preserved countless forms, extracting the form of beauty such as symmetry, rhythm and balance in nature for product design, which will give home products a feeling of natural beauty. People often re-create the forms in nature through two ways: concrete imitation and abstract abstraction. Figurative natural forms are presented in the design works with realistic and imitative techniques, including the forms of plants and animals in nature and landscapes. Abstract natural forms mainly use the point, line and surface composition thinking in modern design as a design technique, and deform and exaggerate the forms of animals and plants and landscapes in nature to indirectly express cultural meanings and emotions.

Many traditional cloisonide objects draw on the figurative forms of animals and plants in nature to directly express the beautiful inner connection, such as bats symbolizing good fortune, gourds symbolizing thousands of generations, flowers in full bloom symbolizing prosperity, etc. The beautiful natural images are combined with the design of the objects to arouse people's pleasant emotions. And this kind of traditional cloisean products in the social background at that time to figurative, complex performance of the aesthetic sense of form, many times can not adapt to the pursuit of modern home products to simplify, abstract needs. The application of Cloisonne products in modern home products needs to be simplified, which fits the connotation of products and gives home products a broader idea of form design.

#### **3.3 Explore new materials from the form of expression**

Cloisonne is an independent metal surface decoration process. Its metal material is heavy, the process is complex, and the production is difficult. It has been widely used in the field of handicrafts [4]. With the continuous expansion and maturity of the cloisonne market and the continuous influx of various fields, cloisonne is no longer limited to the traditional and inherent single form of

expression. On the basis of grasping the basic characteristics of cloisonne, the combination of cloisonne and other materials can bring more possibilities to the development of cloisonne, and also add more innovative points to the design of cloisonne products. In the design of home products, materials not only deliver visual and tactile feelings to people under the condition of satisfying the use function and decorative function, but also play an important role in building a new home space environment.

Common material types are plastic, metal, wood, bamboo, ceramics, glass, can be used in household products, but the way of composition of different materials is not the same, which will affect the aesthetic function to a certain extent. For example, wood is a natural material, it has a natural color and texture, and the household products made with it have a fresh natural beauty [5]. Plastic is a kind of polymer, it has good plasticity, can be used to make some complex shape, color is also quite rich. The combination of cloisonne and other materials can be selected according to the needs of the aesthetic function of household products to meet the specific use of regional characteristics, characteristics of The Times, and national style of materials, mainly considering the feeling characteristics of materials, that is, texture, color, texture and other factors. Secondly, we should also consider the safety and cost factors of material selection to enhance the competitiveness of sales.

#### **4. Conclusion**

Cloisonne was a national treasure in the past, and even now it is the supreme art in people's minds. We should apply cloisonne to modern home products and integrate with the daily life of the public. Although cloisonne is no longer a palace official, its spirit, cultural connotation, nationality and unique decorative taste should be inherited and carried forward. Through the brief introduction and analysis of Cloisonne technology, combined with the demand of indoor household goods, the application of Cloisonne technology in household goods was put forward, and the experiment and demonstration were carried out.

First of all, cloisonne technology has a good application prospect in indoor household goods. Cloisonne, as a traditional Chinese culture and art, has a long history and unique artistic charm. In modern home design, cloisonne process can be well combined with functional needs, so as to create more aesthetic value and practical value of household goods.

Secondly, the application of Cloisonne technology in household products also requires continuous innovation. With the development of The Times, people's needs for aesthetics are constantly changing, so it is necessary to constantly explore and innovate, and inject new design elements and concepts into Cloisonne process. At the same time, we also need to pay more attention to the requirements of environmental protection and sustainable development, and pay attention to the use of environmentally friendly materials in the design to reduce environmental pollution.

Finally, the application of cloisonne technology also needs to be continuously promoted and publicized. In the past, cloisonne craft was mainly used in the field of cultural art and crafts, and its application in modern home design needs more publicity and promotion. The popularization of Jingtai blue technology should be strengthened, so that more people can understand and recognize this traditional culture, and apply it to the actual home life.

To sum up, cloisonne technology has a wide range of prospects in the application of indoor household goods. It is necessary to continue to innovate and develop, pay attention to environmental protection and sustainable development requirements, and strengthen its publicity and popularization, and promote the application of Cloiside technology in the field of household goods.

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