

# Discussion on the Aesthetic Evolution and Optimization Strategies of Neo-Ming Style Chair Design

Zhi Li<sup>1,2</sup>, Rina Abd Shukor<sup>3</sup>

<sup>1</sup> City Graduate School, Faculty of Creative Industry, City University Malaysia, Malaysia

<sup>2</sup> Zhengzhou University of Technology, Henan Zhengzhou, China

<sup>3</sup> University Selangor, Malaysia

**Abstract:** This paper explores the balanced development of Neo-Ming style chair design in both traditional and modern contexts, focusing on its design evolution, aesthetic characteristics, and future optimization strategies. By analyzing the cultural background, aesthetic form, material craftsmanship, and structural functions of Neo-Ming style chair, the paper highlights the importance of maintaining a fusion between traditional aesthetics and modern demands in contemporary design. It proposes future optimization directions such as personalization trends, cross-disciplinary integration, and the application of intelligent technology, aiming to provide theoretical support and practical references for the design innovation of Neo-Ming style chair.

**Keywords:** Neo-Ming Style Chair; Aesthetic Evolution; Design Optimization; Personalization Trends.

## 1. Introduction

As a significant part of modern furniture design, the Neo-Ming style chair not only inherits the aesthetic essence of traditional Ming-style furniture but also adapts to the diverse needs of modern society through continuous innovation. With the development of the times, consumers' aesthetic consciousness and lifestyle have undergone significant changes. Designers have gradually integrated modern design concepts while preserving traditional cultural values. This paper aims to analyze the historical background, aesthetic characteristics, and future development directions of Neo-Ming style chair design. It explores how to maintain a balance between traditional aesthetics and modern needs in contemporary design and proposes strategies for future optimization to support the continuous development of these chairs in modern furniture design.

## 2. The Origin and Development of Neo-Ming style Chair Design

### 2.1. Historical Background of Neo-Ming style Furniture

The historical background of Neo-Ming style furniture can be traced back to the mid-to-late Ming Dynasty, particularly from the late 16th century to the early 17th century, a period marked by prosperity in China's economy, culture, and arts. During this time, furniture design gradually shifted away from earlier ornate decoration, adopting a more simplistic and elegant form, reflecting the minimalist and restrained aesthetic values of the scholar-official class. This shift in aesthetics was closely tied to the broader cultural atmosphere of the Ming Dynasty, which enjoyed relative political stability and economic prosperity, especially with the growth of a commodity-based economy[1]. As the cultural status of the literati increased, their aesthetic preferences became mainstream, directly influencing furniture design.

In this context, Ming-style furniture embraced simplicity and elegance, discarding excessive ornamentation in favor of designs that emphasized the harmony of form and function. Furniture from this era focused on smooth lines, structural

rationality, and the natural beauty of high-quality materials such as huanghuali and zitan woods. These materials embodied high craftsmanship and unique charm, laying the foundation for later Neo-Ming style furniture. The Neo-Ming style not only inherits the essence of traditional Ming-style furniture but also reinterprets it in a modern context, imbuing it with new aesthetic significance.

The historical background of Neo-Ming style furniture represents the intersection of traditional Ming aesthetics and modern design ideologies. It serves not only as a continuation of traditional culture but also as an innovative exploration within contemporary design. This historical foundation profoundly influences the design evolution of Neo-Ming style chair, allowing them to retain classical aesthetic elements while presenting unique modern beauty in the contemporary era.

### 2.2. Main Design Features of Neo-Ming style Chair

The design features of Neo-Ming style chair is deeply influenced by traditional Ming-style furniture, while also integrating modern design concepts to form a unique style. These design characteristics can be analyzed from several aspects such as structure, materials, decoration, and functionality. Structurally, Neo-Ming style chair maintains the simplicity and rationality of traditional Ming furniture. Their lines are typically smooth and elegant, with a strong emphasis on proportion and symmetry[2]. The backs of the chairs are often designed with straight or slightly curved lines, enhancing the overall sense of stability.

In terms of materials, Neo-Ming style chair continues the traditional preference for high-quality woods such as zitan and huanghuali, known for their hardness and beautiful grain, which highlight the natural beauty of the wood and the intricacies of craftsmanship. Modern designs also incorporate new materials such as metal, glass, and synthetic materials, giving the chairs more variety in visual effect and a more contemporary feel. For decoration, Neo-Ming style chair emphasizes simplicity while retaining sophistication. The intricate carvings of traditional Ming furniture are simplified into subtle decorative elements, with carving lines becoming

more refined and fluid, or replaced by delicate inlay work. This approach preserves the essence of traditional craftsmanship while aligning with modern aesthetics of elegance and simplicity.

Functionally, Neo-Ming style chair is designed to meet the needs of modern users, no longer solely focusing on external beauty but also incorporating ergonomic principles to ensure comfort. They may also integrate modern functionalities such as storage or modular designs, enhancing their adaptability and practicality in modern home environments[3]. A Neo-Ming style chair is not just a piece of furniture but an artistic expression that blends traditional and modern aesthetics, rich in cultural significance and modern utility.

### **2.3. Key Milestones in the Design Evolution of Neo-Ming style Chair**

The design evolution of Neo-Ming style chair has undergone several key milestones, each reflecting changes in social culture, aesthetic concepts, and technological advancements. The first major milestone occurred in the early 20th century when Chinese design community began to reevaluate and revive traditional Ming-style furniture. As China modernized, traditional craftsmanship was gradually overlooked. However, some cultural scholars and designers recognized the unique cultural value of Ming furniture. Through research and promotion, the design philosophy of Ming furniture re-entered public consciousness[4]. The key achievement of this period was the renewed affirmation of the aesthetic standards of simplicity and elegance in Ming furniture, which combined with modern design trends to drive the birth of Neo-Ming style furniture.

In the late 20th century, with the diversification of global design trends, the design of Neo-Ming style chair entered a more modernized phase. Designers began to seek a more flexible balance between tradition and modernity, continuing to emphasize the structural rationality and aesthetic simplicity of Ming furniture while gradually introducing functional innovations from modern design. In the 21st century, with the advent of globalization and technological advancements, Neo-Ming style chair design entered a new era of intelligence and personalization. Designers, while preserving traditional aesthetics, explored how to incorporate smart technologies into chair design, such as adjustable chair angles and embedded sound systems. These innovations not only enhanced the functionality and user experience of the chairs but also revitalized Neo-Ming style chair in modern interior design.

These milestones mark the evolution of Neo-Ming style chair from revival to modernization and eventually to smart technology. Each milestone represents not only a shift in design style but also a reflection of cultural heritage and innovation, making Neo-Ming style chair unique in today's design field.

## **3. Analysis of Aesthetic Characteristics in Neo-Ming style Chair Design**

### **3.1. Aesthetic of Form in Neo-Ming style Chair**

The aesthetic form of Neo-Ming style chair originates from traditional Ming-style furniture, while incorporating the simplicity and innovation of modern design. It preserves the elegance and dignified style of Ming furniture but introduces creative interpretations, forming a unique blend of tradition and modernity. The design emphasizes smooth and simple

lines, continuing the traditional aesthetic of Ming furniture, which focused on the harmony between curves and straight lines. Neo-Ming style chairs further simplifies complex decorations, emphasizing a sense of lightness and spatiality in their overall design.

In shaping the form, the Neo-Ming style chair focuses on balanced proportions, giving the chair a refined visual effect. The chair backs often feature simple curves or straight forms, with natural transitions between the chair and legs, creating a sense of depth[5]. Through these simple yet rhythmical lines, the chair achieves an understated yet sophisticated look, aligning with modern minimalism while retaining the classical charm of traditional furniture. The aesthetic form also highlights functional yet aesthetically valuable decorative elements, where Neo-Ming style chair prioritizes the combination of functionality and beauty over intricate carvings.

### **3.2. Aesthetic Expression of Materials and Craftsmanship**

In terms of materials and craftsmanship, Neo-Ming style chair continues the high standards of traditional Ming furniture while incorporating modern design concepts, showcasing a unique balance in material selection and craftsmanship. These chairs typically use premium woods such as huanghuali, zitan, and rosewood, known for their durability, clear grain, and natural luster, which showcase the inherent beauty of the wood. In modern designs, materials like metal, leather, fabric, and glass are introduced, adding diversity to the chair's texture and enriching its aesthetic appeal.

Craftsmanship-wise, Neo-Ming style chair retains traditional techniques such as mortise-and-tenon joints, carving, and inlay work. The mortise-and-tenon structure, a key feature of traditional Chinese furniture, offers both functional strength and aesthetic appeal[6]. This technique, preserved in Neo-Ming style chair, connects different components seamlessly, ensuring stability while showcasing exquisite craftsmanship.

The carving in Neo-Ming style chair has been greatly simplified but not entirely removed. Themes such as floral and animal motifs dominate, but modern carvings focus on clean and fluid lines, emphasizing precision rather than complexity. This minimalistic approach balances the essence of traditional craftsmanship with modern aesthetic standards. Furthermore, Neo-Ming style chair prioritizes the natural texture of materials, reducing the use of lacquer finishes in favor of polished and sanded surfaces, allowing the wood's grain and gloss to shine through, creating a rustic yet elegant appeal.

The aesthetic combination of materials and craftsmanship makes Neo-Ming style chair stand out in modern interiors. By blending high-quality materials and traditional craftsmanship with modern minimalistic design techniques, these chairs offer both practical utility and a unique aesthetic experience, breathing new life into modern home design.

### **3.3. Harmonious Aesthetic of Structure and Function**

The design of Neo-Ming style chair exemplifies a harmonious blend of aesthetics and functionality, a key characteristic of its structure. The design emphasizes clean lines, proportional harmony, and structural solidity. The proportional coordination between the chair back, armrests,

and legs creates a smooth, natural appearance that not only enhances the chair's beauty but also conforms to ergonomic principles. While inheriting the structural rationality of traditional Ming furniture, Neo-Ming style chair places greater emphasis on comfort and practicality, integrating modern ergonomic principles for an improved user experience.

The use of mortise-and-tenon joints plays a crucial role in achieving this structural harmony. This invisible joint technique enhances the chair's stability while adding a refined aesthetic touch. The hidden connections give the chair a cleaner, more elegant look, enriching its overall visual appeal[7]. The use of mortise-and-tenon joints reflects the designer's respect for traditional craftsmanship, which remains irreplaceable in modern design.

Neo-Ming style chair blends traditional features with modern demands. For instance, chair backs are designed to fit the natural curve of the human spine, the chairs are wider and more comfortable, and the height has been adjusted to suit modern sitting habits. Modern designs also incorporate adjustable features such as armrest height and backrest angles, offering more practical functionality while maintaining an attractive appearance..

Neo-Ming style chair considered spatial aesthetics. Their simple lines and lightweight structures allow them to seamlessly integrate into modern living environments without appearing bulky or overly intricate. The clever structural design not only meets functional needs but also adds beauty and character to the space. This harmonious combination of function and structure makes Neo-Ming style chair more than just practical furniture; they are also artistic pieces that enhance the aesthetic value of any modern home.r.

## **4. Influencing Factors of Aesthetic Evolution in the Design of Neo-Ming Style Chair**

### **4.1. The Influence of Cultural Background and Social Changes on Aesthetics**

The aesthetic evolution of Neo-Ming style chair design is deeply influenced by cultural background and social changes. The transition from traditional Ming-style furniture to modern Neo-Ming style chair reflects not only changes in design styles but also a direct response to social and cultural transformations. Traditional Ming-style furniture design embodied the aesthetic ideals of Confucianism, emphasizing simplicity, elegance, and a natural look. This style was highly revered by the literati and scholar-official class[8]. In a time of social stability and cultural prosperity, people focused more on spiritual pursuits, and furniture design mirrored this cultural characteristic.

As history progressed, particularly during the social turmoil of the late Qing Dynasty and the early Republican period, along with the influx of Western culture, traditional Chinese culture and social structure underwent drastic changes. Western industrialization and modernization gradually infiltrated Chinese society, driving a shift in furniture design aesthetics. It was within this context that Neo-Ming style chair emerged. These chairs not only inherited the cultural heritage of Ming-style furniture but also incorporated modern society's demands for functionality and minimalist beauty into their designs.

In modern society, with the acceleration of globalization

and the development of information technology, cultural exchanges have become more frequent, influencing Neo-Ming style chair design from multiple cultural perspectives. As consumers' aesthetic demands become more individualized and diverse, Neo-Ming style chair designs have gradually broken away from singular traditional styles, integrating modernism, minimalism, and other design philosophies. The impact of cultural background and social change is evident in the "fusion of East and West" found in Neo-Ming style chair designs, blending traditional cultural foundations with modern elements such as simplicity and functionality, creating a unique design style. Cultural background and social changes continuously drive the evolution of Neo-Ming style chair design[9]. As society progresses, the design style, while preserving traditional culture, has evolved to better align with modern lifestyles and aesthetic needs, reflecting the spirit of the times and cultural shifts.

### **4.2. The Modernization of Aesthetic Consciousness**

The aesthetic evolution of Neo-Ming style chair is also influenced by the modernization of aesthetic consciousness. With the acceleration of globalization in the 20th century, particularly with the introduction of modernist and postmodernist design trends, traditional aesthetic consciousness gradually transformed into a modern one. This shift reflects a growing focus on minimalism, functionalism, and personalized styles, directly influencing the design of Neo-Ming style chair. Traditional Ming-style furniture is renowned for its intricate craftsmanship and elegant forms, emphasizing cultural and artistic symbolism. However, under the influence of modern aesthetic consciousness, designers place greater emphasis on the practicality and minimalist aesthetics of furniture. Neo-Ming style chair design began to highlight functionality and comfort, abandoning excessive decorative carvings and complex designs in favor of more streamlined, simple shapes. This aesthetic modernization not only responds to the pace of modern life but also reflects the growing importance of utilitarianism and functional aesthetics.

As global aesthetic perspectives merge, consumers' aesthetic preferences have become increasingly diverse and individualized. Designers no longer focus solely on traditional culture in their designs but combine the aesthetic tastes of modern people, simplifying or abstracting traditional elements to make them more visually aligned with modern aesthetics. For example, the backrests of chairs are no longer confined to traditional carved patterns but instead use simple lines to express the design concept of "less is more."The modernization of aesthetic consciousness is also reflected in the promotion of natural and environmentally friendly materials. Neo-Ming style chair design has gradually embraced eco-friendly concepts, using sustainable materials and environmentally conscious craftsmanship, catering to modern consumers' growing concern for green living. This shift not only represents an enhancement in social responsibility but also emphasizes the importance of harmony with nature in modern design aesthetics.

### **4.3. Changes in Design Concepts and Consumer Demand**

One of the key driving forces behind the aesthetic evolution of Neo-Ming style chair is the shift in design concepts and

consumer demand. With the advancement of technology and societal progress, design concepts have continually evolved, and consumer demands for furniture have also changed, which is fully reflected in the design of Neo-Ming style chair. Changes in design concepts directly impact the aesthetic style of Neo-Ming style chair. From functionalism to postmodernism, furniture design has gradually moved from single-function pursuits to a focus on multifunctionality, artistry, and personalization. Under this influence, Neo-Ming style chair design has transitioned from the early minimalist and practical style to one that places more emphasis on artistic expression and user experience[10]. Designers now consider not only practical functions but also aesthetic value and personalized expression, making the chair a work of art in living spaces.

Changes in consumer demand have also significantly impacted the design of Neo-Ming style chair. Modern consumers not only care about the functionality and comfort of furniture but also place higher demands on cultural connotations, design aesthetics, and environmental sustainability. As living standards improve, consumers pay more attention to product quality, brand value, and unique aesthetic experiences. In meeting these demands, Neo-Ming style chair design has undergone continuous innovation and optimization. The advent of the digital age has opened new possibilities for Neo-Ming style chair design. With modern technology, designers can more flexibly utilize digital tools to create more complex shapes, finer craftsmanship, and highly personalized customization services. Additionally, the widespread availability of online shopping has made it easier for consumers to access customized furniture products, further promoting the development of personalized designs in Neo-Ming style chair.

The progress of design concepts and the changing demands of consumers have jointly propelled the aesthetic evolution of Neo-Ming style chair. Between tradition and modernity, function and art, Neo-Ming style chair has found a balance. Through continuous design innovation and optimization, they meet the diverse demands of modern consumers for quality, individuality, and aesthetics, securing their unique place in contemporary interior design.

## **5. Optimization Strategies for the Design of Neo-Ming Style Chair**

### **5.1. Balancing Traditional and Modern Aesthetics**

In Neo-Ming style chair design, maintaining a balance between traditional and modern aesthetics is at the core of optimization strategies. The design aesthetics of traditional Ming-style furniture focus on simplicity, elegance, and dignity, emphasizing smooth lines and harmonious proportions, which represent the essence of Chinese traditional cultural aesthetics. In contrast, the design needs of modern society tend to favor simplicity, practicality, and strong functionality. How to integrate these two aspects in the design becomes a key issue in the optimization of Neo-Ming style chair.

In terms of form, Neo-Ming style chair needs to inherit the simplicity and elegance of traditional Ming-style furniture. Designers can preserve classic design elements, such as straight lines, curved chair backs, and refined carving techniques, to carry forward traditional aesthetic concepts. To meet the demands of modern life and aesthetics, the design

can emphasize functionality, reducing the complexity of traditional decorations and highlighting simplicity and practicality with a modern touch. In terms of color and material selection, designers must consider both traditional and modern aesthetic preferences[11]. Traditional Ming-style furniture often uses dark woods such as rosewood and huanghuali to convey a sense of stability and grandeur, while modern aesthetics lean towards brighter and simpler colors. Designers can break the monotony of traditional colors by choosing lighter woods or combining modern materials, creating chairs that maintain the cultural heritage of the past while fitting contemporary minimalist tastes.

Through innovative design in form, materials, and colors, balancing traditional and modern aesthetics can allow Neo-Ming style chair to stand out in modern interior design while imparting unique cultural value and modern aesthetic significance.

### **5.2. Integration of Design and Ergonomics**

The integration of design and ergonomics is a key optimization strategy for improving the comfort and practicality of Neo-Ming style chair. Traditional Ming-style furniture focuses on aesthetic value and cultural connotations. However, in modern life, the functionality and comfort of furniture are equally important, especially for chairs that come into direct contact with the human body. Ergonomic design becomes crucial.

The dimensions of the chair should be optimized according to ergonomic principles. Traditional Ming-style chair often have heights, backrest angles, and armrest positions that were not specifically designed for comfort, which can seem less suitable for modern users. By applying ergonomic adjustments, designers can modify the height, depth, and angle of the chair to align more closely with the natural posture of the human body, making the design more comfortable and supportive of the body's natural curves.

Material selection should also take ergonomics into account. Neo-Ming style chair could incorporate more comfortable materials, such as foam or soft fabrics like cotton and linen for the chair cushions, to enhance long-term comfort. For the backrest and armrests, designers could use smooth and tactile wood or fabric to reduce the impact of hardness on the user. Adjustable features, such as armrests that can be modified in height or angle, could also be included, allowing users to fine-tune the chair to their needs. These detailed optimizations would greatly improve the chair's practicality and comfort.

By applying ergonomic principles to Neo-Ming style chair design, designers can enhance the product's comfort and functionality while preserving traditional aesthetics, making the chairs more suited to modern living needs. This optimization not only boosts the product's market competitiveness but also enhances the user experience, allowing people to enjoy traditional culture and aesthetics while experiencing greater comfort.

### **5.3. Green Design and Application of Sustainable Materials**

The application of green design and sustainable materials is a key direction for optimizing Neo-Ming style chair design. With the rise of global environmental awareness, modern consumers are increasingly concerned about the environmental performance and sustainability of products. As furniture that blends traditional culture with modern design,

Neo-Ming style chair must not only excel in aesthetics and functionality but also adhere to the environmental principles of sustainable development. This has become a crucial factor that designers must consider when optimizing chair design.

Material selection is at the core of green design. Traditional Ming-style furniture often uses precious hardwoods like huanghuali and rosewood, which, though beautiful and durable, are scarce and raise environmental concerns. Modern designers need to consider more environmentally friendly and sustainable alternative materials. Designers can also introduce new eco-friendly materials such as recycled plastics and reclaimed metals, which are not only sustainable but can also create novel visual effects through modern techniques.

Sustainable craftsmanship is another important aspect of green design. While the intricate carving and hand-polishing techniques of traditional furniture showcase craftsmanship, advances in modern technology allow many processes to be achieved through more efficient and environmentally friendly methods. Designers can use modern production techniques such as CNC machining and laser engraving to reduce energy consumption and material waste while ensuring high precision and quality. In terms of surface treatments, reducing the use of harmful chemical coatings and switching to natural paints or non-toxic eco-friendly coatings can also help reduce environmental pollution.

The design should also focus on extending the lifecycle of the chair in line with sustainable development principles. By adopting modular or detachable designs, users can maintain, replace parts, or reassemble the chair as needed, thus extending its lifespan and reducing the consumption of natural resources. Designers can also consider the recyclability of the product at the end of its lifecycle, ensuring that the materials of the chair can be reused, further reducing environmental impact.

Green design and the use of sustainable materials not only meet the environmental demands of the times but also enhance the social and market value of Neo-Ming style chair. By optimizing design, these chairs can maintain traditional aesthetics and modern functionality while becoming more eco-friendly and sustainable products, promoting the long-term development of Neo-Ming style chair in the modern home furnishings market.

## 6. Future Directions for Optimizing Neo-Ming Style Chair Design

### 6.1. Exploration of the Trend Towards Personalized Design

With the increasing diversity of society, personalized design has become a significant trend in the furniture industry. In the future, Neo-Ming style chair design will place greater emphasis on consumers' personalized needs. Personalization is not only reflected in the diversity of external styles but also in meeting users' pursuit of uniqueness and exclusivity. Designers can adjust the chair's shape, color, size, and material according to user requirements. Additionally, cultural symbols and aesthetic elements can be integrated into personalized designs, combining the consumer's cultural background to imbue the chair with deeper cultural significance. Modern technologies, such as 3D printing and digital customization platforms, provide strong support for personalized design, allowing users to participate in the design process and create their own exclusive chair products.

### 6.2. Cross-Disciplinary Integration and Innovative Designs

Cross-disciplinary integration and innovation are key to the future development of Neo-Ming style chair. By combining furniture design with other disciplines, such as modern art and technology, more diverse product forms can be created. Cross-industry collaborations with artists can enhance the practicality and artistic value of the chair, turning it into a functional piece of art for daily life. Advances in technology, such as the application of new materials and lightweight structures, provide more opportunities for innovation in chair design. Additionally, the integration of furniture design with the fashion industry can make chairs more trend-driven. Through collaborations, drawing on fashion's color matching and material selection, designers can attract younger consumers and enhance the brand's vitality and market competitiveness.

### 6.3. Application of Smart Technology in Neo-Ming Style Chair

The application of smart technology is an important direction for the future optimization of Neo-Ming style chair. Smart sensor technology can integrate features such as heating and massage, allowing users to adjust these functions through touch or voice control systems, thus enhancing comfort and convenience. The use of Internet of Things technology allows the chair to connect with other smart home devices, enabling remote control and personalized settings, which enhance the overall smart home experience. Artificial intelligence (AI) can learn users' habits and automatically adjust the chair's settings, helping them maintain healthy sitting postures. The integration of smart technology not only enhances the chair's functionality and interactivity but also makes it more appealing in the era of smart homes.

## 7. Conclusion

The development of Neo-Ming style chair design fully reflects the fusion of traditional culture and modern design concepts. Through in-depth exploration of its historical background, aesthetic characteristics, and influencing factors, this paper highlights key future optimization directions for Neo-Ming style chair, including personalized design, cross-disciplinary integration, and the application of smart technology. These optimization strategies not only enhance the aesthetic value and practicality of the chairs but also boost their market competitiveness and cultural significance. In the context of rapid globalization and technological advancement, Neo-Ming style chair will continue to innovate while preserving traditional culture, adapting to modern lifestyles, and showcasing their unique charm and design value.

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