

SYL

Sharing Your Life

Muratec Customer Magazine 2 | 2025 | EN



Please accept my sincere gratitude for your continuing patronage and support of Muratec's textile machinery.

COVID-19 had a significant impact on the environment surrounding the textile industry, and the future has become increasingly uncertain due to global political changes, conflicts in Europe and the Middle East, U.S. tariff policies, and other factors that have caused instability and uncertainty in the international situation. In addition, along with a marked increase in environmental awareness, sustainable initiatives based on the 3Rs (Reduce, Reuse, and Recycle) have been accelerating in ways that have spurred changes in the structure of the apparel market. I believe that the way forward during this transitional period requires a positive view of change and the ability to respond with easy flexibility.

Muratec has continued to work closely with our customers to pursue effective technological innovation. One example of this is "Alcone," an innovation that has been highly praised by the market for its energy savings, increased production with consistently high quality, and improved ease of maintenance. In addition, "VORTEX spinning machines" provide an effective response to the strong demand for core yarn equipment and support the development of yarn seeds by customers. Muratec will continue to leverage the benefits of these two products to pursue the development of innovative functions that contribute to the success of our customers.

Muratec strives not only to improve the performance of its individual products, but to

ensure improved overall productivity with a clear awareness of both pre- and post-processes. In addition to reducing material loss such as bobbins and slivers supplied by customers, and enabling automatic recovery from alarm states, we are also developing technologies that reduce the occurrence of alarms themselves, as well as offering improved labor saving and stable operation through automatic maintenance. The integrated management system Muratec Smart Support (MSS) has functions such as simplifying production management, automatic machine diagnosis, and predictive maintenance; and companies that have introduced MSS have reported reduced maintenance requirements and improved productivity. Muratec is confident that customers will find that MSS delivers great value for use in factory operation and management.

In response to the growing need for sustainability, Muratec is also focusing on "green development" that contributes to the creation of renewable products. Muratec's mission is to create products that lead to solutions to social issues based on customer needs.

Muratec is committed to driving innovation for manufacturing that keeps pace with change.

I look forward to your continuing support and encouragement as we move together into the future.



Osamu Hirao
Operating officer,
Chief Manager of Technical Department,
Textile Machinery Division



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Muratec Customer Magazine October 2025

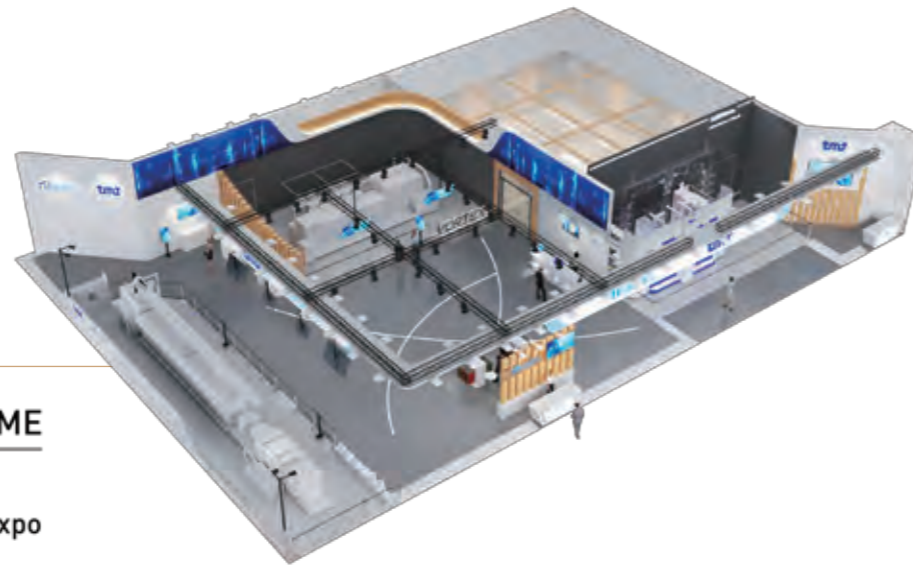
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[Cover Photo] Special thanks to Kyoto Montsuki

Hello again Singapore!

Muratec will exhibit at ITMA ASIA+CITME 2025 to be held in Singapore from October 28th to 31st 2025.

We will introduce a long-term solution to support our customers' business under the theme of "Right Choice, Bright Future".



ITMA ASIA + CITME SINGAPORE 2025
 28 – 31 October 2025 | Singapore Expo
 Booth Hall 4-B301 & B302

Unveiling Our Vision for Customer Support Muratec Lifecycle Support



In order to ensure that you can use the product with peace of mind for a long time, we support the lifecycle from deployment to maintenance and upgrades. At every phase, we propose optimal solutions from the customer's point of view.

ITMA ASIA will be held in Singapore for the first time in 20 years, attracting significant attention not only from Southeast Asia but also from a wide range of customers across South Asia to East Asia. At this exhibition, we will introduce our customer service system as "Muratec Lifecycle Support," which encompasses services that support the entire lifecycle of our customers' equipment, from pre-installation consultations to post-installation operational support and maintenance, as well as future upgrades. You will be able to see our specific initiatives that utilize the latest machinery and digital platforms to enhance your competitiveness in the long term. As "Your Growth Partner," Muratec is committed to understanding your challenges and working together towards solutions. We would be delighted to hear about your goals during the exhibition.

Shuichi Hashimoto
 Area Sales Manager
 (Southeast Asia)



Exhibition Details

1 Automatic Winder "PROCESS CONER Alcone"

The "PROCESS CONER Alcone" is the latest automatic winder developed with a thorough pursuit of productivity, ease of use, and energy efficiency. The design and functions, utilizing the technologies and know-how we have cultivated over many years, have been highly praised by our customers.

At this year's ITMA ASIA, we will showcase the newly added "two-chute type" to our lineup. By installing vertical conveyors on both sides and providing two bobbin chutes, the maximum number of bobbins that can be fed has been increased to 54 pcs/min.

Additionally, same as previous exhibitions, we will demonstrate both drum and arm traverse types on a single stand, showcasing diverse yarn types and devices.



3 Muratec Smart Support (MSS)

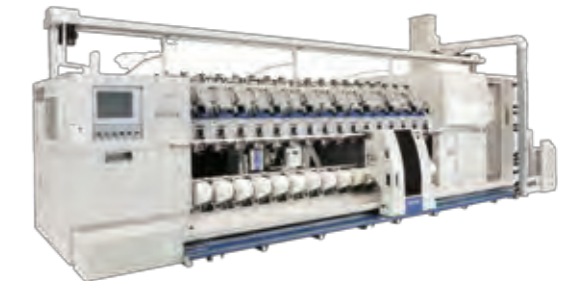
Muratec Smart Support (MSS) utilizes information technology to enhance the competitiveness of our customers' production environments. This solution has been adopted by over 1,200 companies worldwide. MSS features advanced anomaly monitoring and predictive maintenance capabilities, contributing to stable, high-quality production. Additionally, it efficiently accumulates and shares knowledge and expertise related to yarn production, maximizing the effective utilization of skilled personnel and critical resources.

The implementation of MSS establishes a data-driven factory operation system, significantly improving the ability to adapt to various market changes.

We will introduce the advanced functionalities of MSS that responds to the challenges faced by the textile industry in recent years.



2 VORTEX 870 EX



The VORTEX spinning machine "VORTEX 870 EX" not only enables high-speed spinning at 550m/min but also allows to produce a wide range of yarn types and counts. In recent years, rapid advancements in the core yarn device that inserts filaments have opened the door to even more versatile and innovative solutions. This time, we will demonstrate the sustainable mélange yarn "Core Color," showcasing simultaneous production of multiple colors with a single machine.

The yarn produced by the VORTEX spinning machine possesses various distinguished functionalities, such as less hairiness and resistance to pilling, thanks to its unique yarn structure. Approximately 250 VORTEX partners, along with spinning companies and apparel manufacturers worldwide, have adopted VORTEX as a key to differentiation. We will also showcase a wide range of fabric and product samples made from various yarn types and counts, offering customers with inspiration for their own product development.

4 Genuine Parts

Muratec provides reliable support and quick parts availability for machines across generations — from models over 30 years old to the newest technology. We also provide maintenance advice to support high-efficiency production. At this year's ITMA ASIA, we will showcase upgrade parts to meet the needs of small-lot production, as well as maintenance parts to use our products for a long time.



MVP #01

Muratec value partners

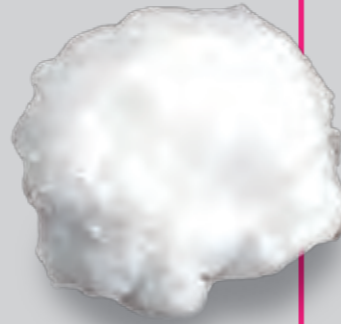
Muratec has achieved notable success in the Textile Machinery Industry. This success has been made possible, thanks to many companies that support our activities. We are pleased to recognize such companies as Muratec Value Partners.

Leading Polyester Supplier for VORTEX

Huaxi Holdings Company Limited

Founded in May 1999, is a publicly listed company that mainly engages in the research and development, production, and sales of polyester chemical fibers. The company also offers petrochemical storage services and engages in external investment activities. The company's chemical fiber products are mainly polyester staple fibers, with an annual production capacity of 500,000 tons. These products are primarily used in the textile industry (VORTEX spinning, air-jet spinning, ring spinning, compact spinning, etc.).

Out of this capacity, approximately 180,000 tons of fiber are used in the VORTEX spinning field. Due to its high-quality products and strong reputation, the "Huaxi Village" brand polyester staple fibers are highly sought after in both international and domestic markets.



- Product** Polyester staple fiber
- Luster** Semi-dull, bright, fluorescent whitening
- Fineness** Ranges from 0.8D to 3D
- Length** Ranges from 22mm to 102mm
- Functions** Rust-free, antibacterial, UV resistant, far-infrared, etc.



Thank you for your continued trust. Our company specializes in producing VORTEX-spun staple fibers, which perform excellently on Muratec VORTEX spinning equipment.

Through our collaboration, yarn produced using Huaxi fibers on Muratec VORTEX spinning machines does not exhibit weak twist or horizontal stripes on the fabric surface, resolving long-standing issues in VORTEX spinning.

Our customer's VORTEX-spun yarn exemplifies the highest standards in the industry. We will further expand the production of VORTEX-spun staple fibers and develop specialised products suitable for VORTEX spinning.

We hope to continue our cooperation and contribute to the development of the industry.

Huaxi Holdings Company Limited
General Manager
WANG FANGNENG



Advanced manufacturer of VORTEX polyester yarn in China

Suzhou Xingjingze Fiber Technology Co., Ltd.



Huaxi fiber, Xingjingze, and Muratec have collaborated in the polyester field. Through feedback from Xingjingze regarding production challenges, Huaxi improved its raw material production processes. Xingjingze further adjusted its production processes, and Muratec provided comprehensive technical support. As a result, polyester production using VORTEX spinning has largely overcome concerns such as low twist and dyeing color differences. This has led to significant market expansion for VORTEX spinning in polyester production.



Suzhou Xingjingze Fiber Technology Co., Ltd.
General Manager
XU YILOU

Demand of VORTEX polyester yarn is expanding in China

As market demand continues to grow, Muratec will continue to demonstrate its commitment and dedicated support for the expansion of polyester spinning using VORTEX technology.

We are taking an active role in supporting raw material manufacturers and spinning companies including Huaxi and Xingjingze so that they join forces to unlock new possibilities in VORTEX based polyester spinning.

Area Sales Manager (China)
TOSHIHARU OKAMURA



More Than 100% Satisfaction

Continued Support For Our Customers

Empowering the World's Largest Textile Market with Century-long Expertise

Murata Machinery (Shanghai) Co., Ltd. (Abbreviation: MOC), established in 1998, operates as the local subsidiary of Murata Machinery, Ltd. in China. MOC delivers premium services to more than 1,000 auto winder (AW) users and over 200 vortex spinning machine (MVS) customers across China, ensuring smooth operation of Murata equipment nationwide.

Parts & Service Excellence Comprehensive Inventory

- 1,000+ regular parts in Shanghai warehouse
- Rapid response to urgent requirements



Dedicated Team

- 4 sales specialists
- 1 technical support engineer
- 5 operations coordinators



Extended Network

- Supported by 5 authorized distributors nationwide
- Unified service standards for seamless customer experience

Beyond Parts Supply + Value-Added Services

Machine diagnostic training

- Enhancing equipment maintenance capabilities



Efficiency optimization guidance

- Maximizing productivity and ROI

On-site technical support

- Regular expert dispatches from Japan HQ

Collaborative Expertise

- Quarterly technical campaigns with Japanese engineers
- Customized solutions for complex operational challenges



Our Commitment

We empower customers to unlock full equipment potential, driving sustainable productivity gains for mutual success.

our reliable sales agents in China

Shanghai Wise Creation Textile Limited

Contribute to customers through trust and creation.

Ms. Zhao Jie
General Manager



Shanghai MNT Trading and Developing Co., Ltd.

As one of the parts agents of Murata Machinery in Mainland China, Startec has been committed to providing users with comprehensive, timely and satisfactory services for more than 20 years. In parts sales, we attach great importance to pre-sales consultation, promptly feed back users' usage information after-sales, and deliver parts on time and accurately. For some urgent orders, we have opened a green channel based on our own parts inventory to improve user satisfaction.

In the future, we will continue to maintain users' trust, build and maintain long-term relationships, and expand the coverage of our parts inventory. With the support of Muratec, we strive to become a trustworthy and reliable main channel for parts supply for users.

Mr. Ko Wan Yiu
General Manager



TTU Texmac Co., Ltd

As an authorized agent of Muratec, TTU adheres to the philosophy: optimal solutions to safeguard investment value, genuine parts to ensure long-term equipment performance, and professional technologies to enhance production efficiency.

Mr. Young Wang
General Manager



Shaoxing Pancheng Trading Co., Ltd

We have always been deeply engaged in the promotion and sales of original Muratec parts. We are fully committed to enabling every Muratec user to conveniently obtain and safely use original parts. Relying on professional services, we move forward side by side with Muratec, and earnestly pass on this quality assurance to every trusted customer.

Mr. Ye Huimiao
General Manager



Shandong Province Textile & Accessories Co., Ltd.,

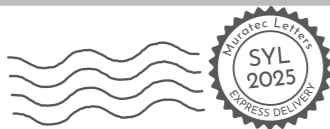
Shandong Province Textile & Accessories Co., Ltd., as a partner of Muratec, is committed to promoting and selling Muratec parts, striving to work together to promote and apply original parts to every Muratec user.

Mr. Shi Xiaohui
General Manager



PT.MURATA MACHINERY INDONESIA

PT. MURATA MACHINERY INDONESIA (MMID) was established in 2011 and has two divisions: Textile Machinery and Machine Tools. MMID is based in Bandung, West Java, approximately 150 km southeast of the capital, Jakarta. Bandung is located 800 meters above sea level and is surrounded by mountains. The city enjoys a cool climate throughout the year and is a popular destination for visitors from the capital and many surrounding cities on weekends.



AROMA COFFEE

Near the office there is a legendary coffee seller with name of Aroma Coffee. Selling Mokka and Robusta beans and powder since 1930. Processed traditionally without using chemicals. Coffee is aged for 5 & 8 years then roasted for 2 hours. Sold on the same day as the roasting day in limited quantities. So please come to our office and get the Aroma Coffee as a souvenir.



MURATA (THAILAND) CO., LTD.

MURATA (THAILAND) CO., LTD. was established in 1989. Our office is located in Samut Prakan Province near Bangkok, the capital of Thailand. Suvarnabhumi Airport, one of the largest international airports in Southeast Asia, is also located in the province.



WAT ARUN RATCHAWARARAM RATCHAWARAMAHAWIHAN

It is a Buddhist temple (wat) in the Bangkok Yai district of Bangkok. It is situated on Thonburi on the west bank of the Chao Phraya River.



PAD THAI

Pad thai is a stir-fried rice noodle dish commonly served as a street food in Thailand. It was originally called "Kuai Tiao Pad Thai" but this was later shortened to simply Pad Thai.





黒染 *Kurozome*

Mibu, Kyoto is an important area for dyeing culture. Even within Kyoto, where dyeing techniques including Yuzen dyeing, characterized by gorgeous and intricate patterns, have developed, Mibu is blessed with good quality water and good access to transportation, making it an ideal environment for the dyeing industry. From the Meiji period, as industrialization progressed throughout Japan, many dyeing factories were established in Mibu, and the town of artisans became a hub for the transmission of techniques and the distribution of products. Kurozome is a traditional technique for dyeing silk fabric a deep black, and Kyoto in particular has brought about the development of advanced techniques. Kurozome is used as a formal color in Japan, and "Kuromontsuki," is a kimono worn as formal attire with the inclusion of family crests that are left undyed. However, as times changed, lifestyles changed as well and demand for traditional Japanese clothing has declined dramatically. Today, there are only a few Kurozome companies left in the country, and the decrease in the number of artisans and the transmission of techniques have become difficult challenges. Under such circumstances, traditional Kurozome techniques are now being applied to Western clothing, and are once again attracting attention as a sustainable fashion that reduces clothing waste by re-dyeing used clothing.

Located in Mibu, where a dyeing culture dating back to the Meiji period remains, for 100 years "Kyoto Montsuki" has been dedicated to dyeing only Kuromontsuki, traditional Japanese formal wear. Since Kuromontsuki is a kimono without any patterns, the depth of the black is the essence of the product. Although it is generally called "black," there are subtle difference in shades. Kyoto Montsuki has pursued the creation of a "deeper black" and has developed a unique processing technique called "Shinkuro" meaning deep black. This is an original processing method that applies a special treatment to the black-dyed fabric to make it look darker by absorbing light. This method is highly regarded for its deeper black and greater uniformity than that by conventional Kurozome.

In response to declining demand for Kuromontsuki, the company started its "re-dyeing business" in 2013 to dye used Western clothing and other items black, believing that if "we don't adapt to the modern world, we won't be able to pass on the traditional techniques." Partnering with apparel manufacturers, secondhand stores, and e-commerce companies, Kyoto Montsuki has established a "re-dyeing business" platform that accepts dyeing orders from consumers. Utilizing long-cultivated unique techniques for dyeing silk Montsuki, which is very difficult to dye, deep shade of Kurozome not only for Japanese kimono but also for Western clothing has been realized, and on both natural fibers such as cotton, hemp, and wool, as well as synthetic fibers. Kyoto Montsuki also offers a circular design



that allows new clothing to be attached with a QR tag, allowing customers to see on their smartphones what the design will look like when it is re-dyed, so that they can "give one piece of clothing a second life." This re-dyeing business has also attracted attention from major sustainability-focused brands and department stores, realizing partnerships with 300 companies and receiving nearly 20,000 re-dyeing orders each year.

A movement is underway to pass on traditional Japanese "Kurozome" techniques in a way that is in line with modern lifestyles and to spread its appeal around the world.

Nishin Soba

This dish is made by placing soba noodles in a warm dashi broth and topping it with sweetened simmered herring (herring cooked with soy sauce, sake, and sugar), which adds to the deep "umami" flavor. During the Edo period (1603 to 1867), transporting herring from Hokkaido's Matsumae region to Kyoto became common practice. At that time, since there was no refrigeration technology, herring was gutted, dried, and preserved as a valuable source of protein. In 1882, the second-generation owner of "Sohonke Nishin Soba Matsuba," a restaurant in Kyoto, created Nishin soba. Today, Nishin soba is a popular Kyoto dish loved by both locals and tourists alike, and is widely served in soba restaurants throughout the city.



Special thanks to Kyoto Montsuki

VORTEX Technical Seminar Held in China (Suzhou, Jiangsu)

On May 14, we held a VORTEX Technical Seminar for our customers in southern China (Zhejiang, Jiangsu, Guangdong, Fujian). At the seminar, we provided practical and useful information for VORTEX users including the latest market trends for VORTEX yarn, key points for improving operation efficiency, usage precautions, and common causes and countermeasures for failures.

The Textile Machinery Division regularly holds technical seminars throughout China. We will continue to update the content of the seminars to ensure they are meaningful and beneficial to our customers.



President Murata delivered a commemorative speech at the annual conference of the Textile Machinery Society of Japan

On June 5, Daisuke Murata, President and CEO, delivered a commemorative speech at the 78th annual conference of the Textile Machinery Society of Japan.

The Textile Machinery Society of Japan is an academic organization whose aim is to advance technology and research related to textile machinery and provide a forum for experts and researchers to gather and share knowledge. In his speech, he introduced the five areas of our company's business, focusing on textile machinery, and explained the environment and challenges surrounding our company.

In addition, in the research presentation session at the annual conference, four employees from our company made presentations on the utilization of carbon nanotubes (CNTs), a cutting-edge material.



For Safe Transport Operations

We have released a video summarizing precautions to take when our customers carry in and install our products themselves. Small efforts for improving operations such as maintaining balance when moving with a forklift can significantly improve safety. We hope our customers will view the video by scanning the QR code to prevent accidents during carrying-in and installation.



Check out the video



[Alcone_ENG]



[870 EX_ENG]

Based on our corporate philosophy, we are making efforts to strengthen our corporate governance and promote health and productivity management so that we can continue to earn the trust of our stakeholders. As a result, we have received high evaluations by external organizations.

In 2025, we were awarded the highest rating of Platinum Status in the VAP (Validated Audit Process) audit for assessing the compliance status of the Code of Conduct of RBA (Responsible Business Alliance*1). This audit focused on the Inuyama Plant which is our largest plant and the development and manufacturing base of the Machine Tools Division, Logistics & Automation Division, and Clean FA Division. RBA has established a Code of Conduct to ensure safety in work environments, dignity and respect for workers, environmental responsibility, and ethical business activities. The VAP audit is an assessment process conducted by independent, third-party firms based on these standards.

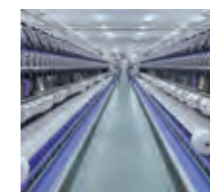
Furthermore, we were selected and recognised as one of the "White 500" enterprises in FY 2024 and FY 2025 consecutively. The "White 500" are the top 500 enterprises among 3,400 enterprises under the large enterprise category recognized by the Certified Health & Productivity Management Outstanding Organizations Recognition Program jointly run by the Ministry of Economy, Trade and Industry and the Nippon Kenko Kaigi *2.

Aiming for the "Prosperity to Each of Our Employees" and a "Society to A Better Tomorrow"

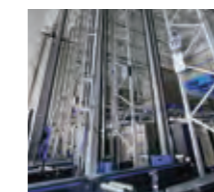
*1: RBA: The world's largest industry coalition for delivering sustainable value for workers, the environment, and businesses throughout the global supply chain.
*2: A private-sector led organization comprising economic, medical and other organizations that aims to promote people's health and realize a sustainable society.



Continually creating innovative technologies for the fulfillment of a prosperous society



Textile Machinery
-Automatic Winder
-VORTEX Spinning System



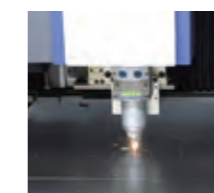
Logistics Systems / Factory Automation Systems
-Automated Storage & Retrieval Systems (AS/RS)
-Sorting System



Automated Material Handling Systems for Clean Rooms
-AMHS for Semiconductor Fab.
-MCS (Material Control Systems)



Machine Tools
-Twin Spindle CNC Chucker
-In-Line Opposed Twin Spindle CNC Turning Machine



Sheet Metal Machinery
-Laser Punch Press
-Press Brake
-Fiber Laser Cutting Machine



Communication Equipment
-MFP (Multifunctional Peripheral)
-Facsimile

Origami

折纸



"Origami" is a traditional Japanese art form in which you can create various shapes and figures such as animals, plants, and seasonal decorations by folding a single piece of paper without cutting it. Representative works include "cranes," "balloons," and "kabuto helmets." Among these, the origami crane called "orizuru" which is known to symbolize "peace," "longevity," and "wishes."

Origami can be enjoyed by people of all ages from children to adults. It is often used in educational institutions and welfare facilities, where it is a popular tool for learning and communication.

More than 1,000 years ago, when paper was a precious commodity, origami was used mainly for ceremonies and as decorations for gifts.

Later, around the 18th and 19th centuries, when paper became more widely available among ordinary people, origami became a

popular pastime and educational activity for children.

The appeal of origami lies not only in its beauty and delicate appearance, but also in its mathematical and geometric elements, such as its symmetry and structural ingenuity.

The principles of origami can also be applied to cutting-edge science and technology, such as in the design of solar panels for satellites and medical devices.

In addition, origami, which starts with just a single piece of paper, requires not only practical aspects but also an appreciation for beauty and a careful and meticulous approach.

It is more than just a pastime, origami can be said to be part of Japanese culture that reflects Japan's unique spirituality and aesthetic sense.

"折纸"是一项日本传统的游戏,通过折叠一张纸,无需剪裁就能做出动物、植物、季节装饰等各种造型。其代表性作品包括"鹤","气球","头盔"等,其中「千纸鹤」作为"和平"“长寿”与“祈愿”的象征而广为人知。

折纸作为一项老少皆宜的活动,已被引入教育机构及福利设施等场所,成为了促进学习与交流的媒介工具。

大约在一千多年前的日本,当纸张还十分珍贵的时代,折纸主要被用于仪式及礼品装饰。到了18-19世纪纸张逐渐普及后,折纸作为儿童游戏和教育的一环逐渐走进千家万户。

折纸的魅力不仅在于其美感与精巧,更蕴含了对称性与结构设计等数学几何元素。如今这种折纸原理还被应用于人造卫星的太阳能板、医疗器械设计等尖端科技领域。

此外,这种始于一张纸开始的折纸艺术,不仅具有实用性,也承载着对美感的追求与精益求精的创作态度。

可以说折纸已经超越单纯的手工游戏,是展现日本精神内涵与审美意识的文化载体之一。