Muratec

Muratec Customer Magazine
1 / 2018 / EN

SYL

Sharing Your Life

Let me begin by expressing my deep gratitude to all of you for patronizing our products and doing business with us.

Thanks to your support, Muratec was happy to celebrate the 80th anniversary of its founding in 2015. All these years, we have had the honor of doing business with innumerable customers and delivering a wide variety of machines. A large number of Muratec employees and subcontract factories have had the privilege of sharing joys and overcoming difficulties with countless customers, being always encouraged and sometimes scolded by them.

Over the past 80 years, we have placed importance on two points.

The first point is to make an untiring effort to promote automation and labor saving. It is by no means an overstatement that the history of textile machinery, the product with which Muratec started its business, in itself is a history of automation. In fact, we have always adhered to our philosophy "Let machines do what machines can do and let humans do what only humans can do." This philosophy has inspired Muratec to seek automation in various other industries as well, thereby further diversifying its businesses. Today, our automation technologies are being used in such wide-ranging sectors as semiconductor, automobile, and distribution.

The second point is a customer-first attitude. Muratec's founder Teisuke Murata was not an engineer but a tradesman with a knack for buying and selling things. Succeeding to our founder's spirit, we have always conducted R&D from the customer-first viewpoint, trying to think up the kind of machines that would surprise and please our customers. This kind of customer-first attitude of ours has resulted in various innovative technologies such as splicer and VORTEX spinning system, while at the same time enabling us to develop extensive service networks trusted by customers. Through these processes, we have derived inspiration from our customers' voices, thereby continuously seeking improvement and refining technologies. This is how we have survived and operated our business over 80 years.

Today, not only the developed nations but all countries of the world have a growing need for automation, due to such reasons as the aging population, a shortage of factory workers, and quality and safety. Meanwhile, dramatic progress in information and communication technologies is making it possible not only to automate individual machines, but also to create more advanced automated systems that link different machines, machines and people, and people and people.

The weft yarn of Muratec business is the diverse automation technologies that it has developed in numerous industries. The warp yarn comprises its customer-centered supply chains covering all stages from purchases of materials and parts to after-sales services. We believe that Muratec's mission is to weave our warp and weft yarns into the unique products and solutions that no other manufacturers can produce.

We will appreciate your continued guidance and support.

Daisuke Murata
President & C.E.O.

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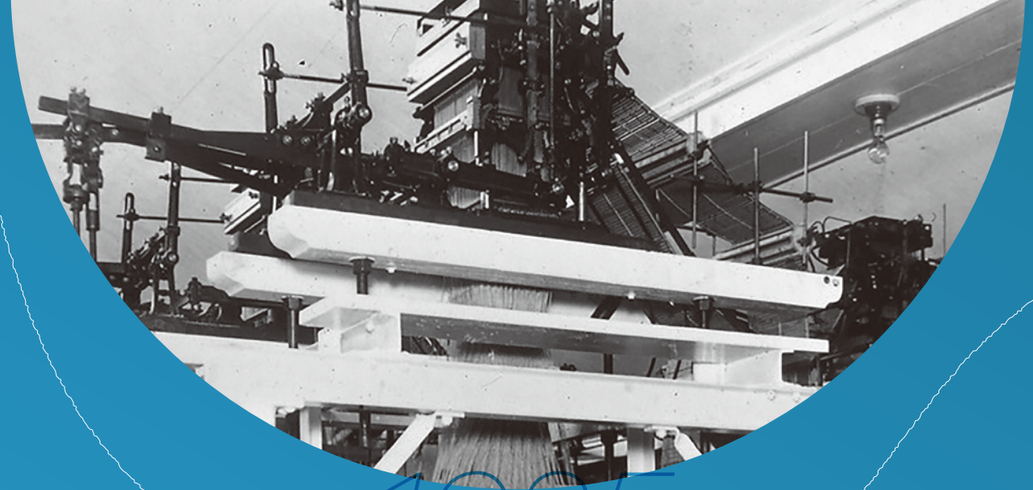


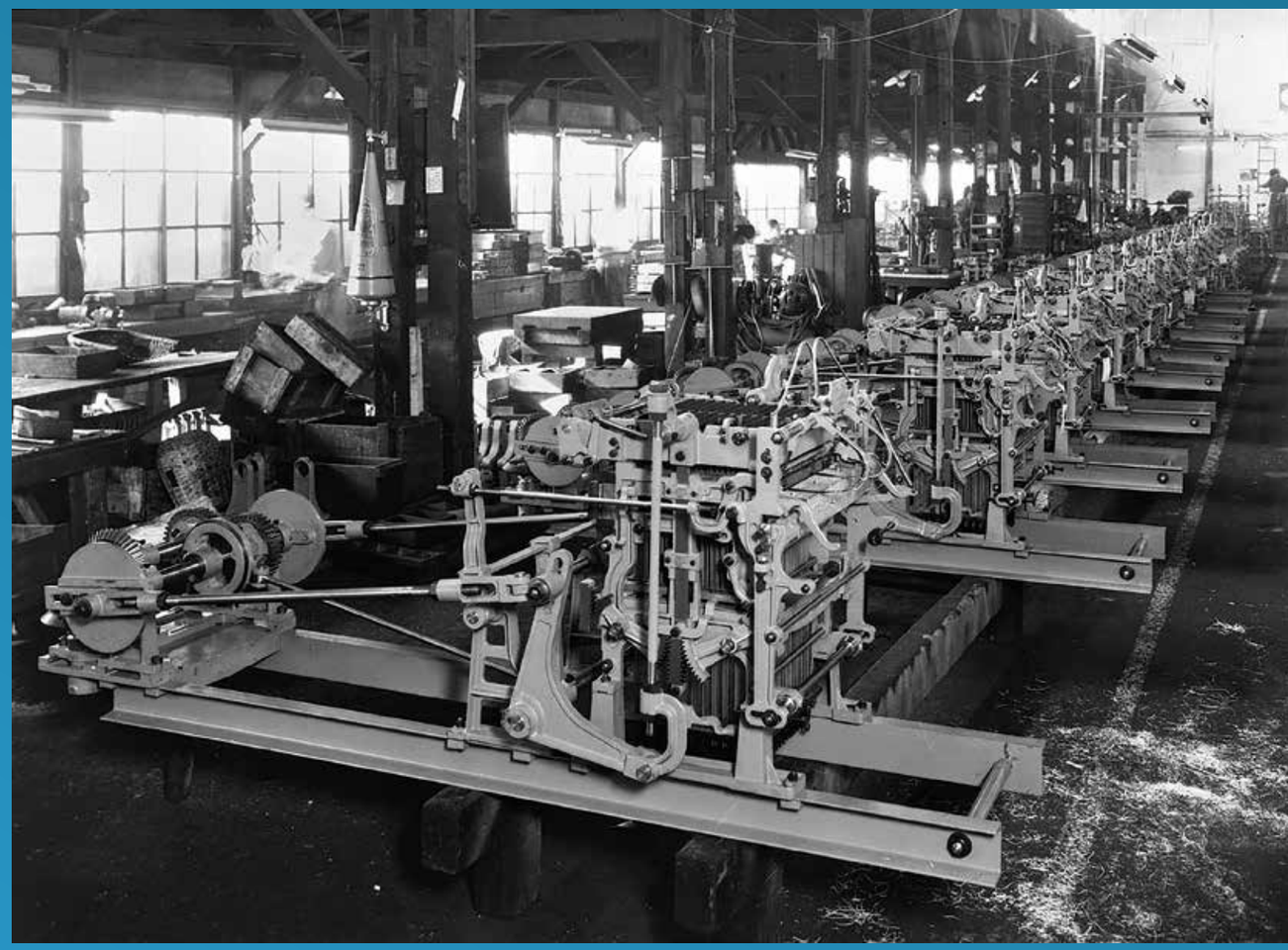
1935

Journey Begins.....

2018

1935

"Nishijin Jacquard Mfg., " established



Nishijin Jacquard Mfg. partnership established by Founder Chairman, Teisuke Murata.
Started production and sales of jacquard machines.

Step by Step, Achieving Milestones

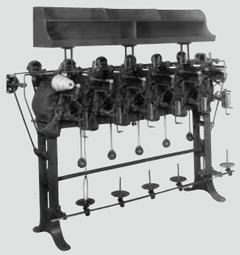
Muratec started off in July 1935 as Nishijin Jacquard Manufacturing partnership. Later in 1945, the company was renamed as Murata Textile Machine Co. Ltd. and went on to expand into the field of spinning machines. The company adopted its present name Murata Machinery, Ltd. in 1962, and has since then expanded into the fields of machine tools, logistics equipments and communication equipments to become one of the biggest conglomerates as it is today.

Textile Machinery has been part of the growth of the company every step of the way. Over these 82 years, Muratec has revolutionized the textile industry with a variety of new technologies including automation, development of splicers and the VORTEX spinning system.

As we look back at our history, we wish to express our sincere gratitude for the support of all our business partners over the years.

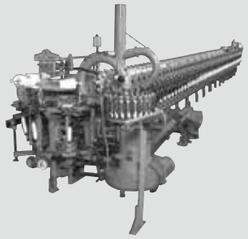
We at Muratec will continue working to invent technology that exceeds expectations. We wish to achieve future growth together with all of our stakeholders as a business partner.

1948



Began production of manual winders and expanded into the field of spinning machines.

1955



Began production of automatic winders through a license agreement with Abbott Co. of the United States.

1964

Developed two-for-one twister for filament and expanded into the synthetic fiber machine field.

1967

Began production of take-up winder for nylon and polyester through a license agreement with Neumag of West Germany.

1973

Developed No.7-Ⅰ automatic winder. This machine was a perfect example of the individual-spindle type winders which have become standard nowadays.

1979

Exhibited automatic winder No.7-Ⅱ MACH-CONER with Mach Splicer at ITMA'79 in Hannover, Germany.
"Yarn with no joints" contributed to the pathbreaking technology to increase the quality for textile products.

1981

Exhibited innovative air jet spinning machine MJS (Murata Jet Spinner) at OTEMAS.
This model used compressed air instead of mechanical revolving parts to achieve high speed spinning which was not possible with previous machines.

1983

Exhibited bobbin tray system and link coner system (automatic transfer of bobbin yarn) at ITMA '83 in Milan, Italy.
Especially, “tray to tray” method of link coner system came to be adopted by many spinning companies.

1997

Exhibited high-speed air-jet spinner MVS (Murata VORTEX Spinner) at OTEMAS.
In downstream markets, promoted the special functions like moisture absorption, fast drying, pilling resistance and other characteristics which were not available in conventional yarn. This began to enhance demand, cultivating the "VORTEX spinning" genre.

Exhibited automatic winder No. 21C PROCESS CONER series. This was a new concept winder being put on the market which greatly improved productivity by changing the yarn path and utilizing the newly developed high speed winding and balloon control technologies.

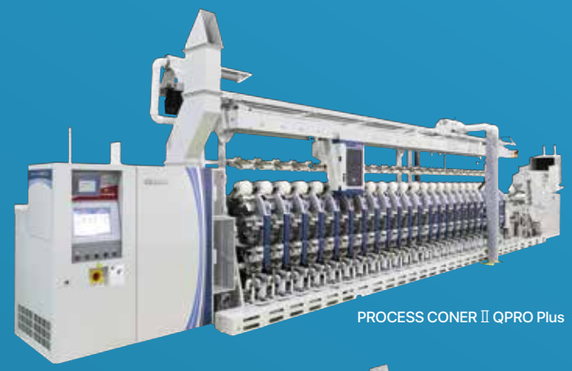
2001

2002

Established TMT Machinery, Inc. through joint investment with Toray Engineering Co., Ltd. and Teijin Seiki Co., Ltd. in 2002.
The synthetic fiber machinery businesses of each company were merged to increase competitiveness.

2011

Exhibited automatic winder PROCESS CONER Ⅱ QPRO, PROCESS CONER Ⅱ FPRO and VORTEX spinning system VORTEX Ⅲ 870 at ITMA2011 in Barcelona, Spain.
The market for the VORTEX Ⅲ 870 is growing steadily as applications of VORTEX yarn continue to expand.



PROCESS CONER Ⅱ QPRO Plus

PROCESS CONER Ⅱ FPRO Plus

2015

In 2015, Muratec exhibited the PROCESS CONER Ⅱ QPRO Plus and PROCESS CONER Ⅱ FPRO Plus automatic winders at ITMA 2015 in Milan, Italy. These models evolve the PROCESS CONER Ⅱ series, our main line of machines, which has steadily penetrated the market since its debut in 2011. They are equipped with a variety of "Plus" features that deliver even better productivity, quality, and energy reduction.

What's Next? >>>

Splicer developer receives Award for Science and Technology

In 1979, development on the Mach Splicer produced distinguished achievements in the fields of Japanese science and technology. In 2017, the developer was awarded the Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology*.

In the past, winders used to join spun yarns from end to end, leaving visible knots at the joints. These knots would lead to knitting and weaving machine interruptions when used in subsequent processing, and would cause a deterioration in quality and productivity by causing fraying, holes, and uneven dyeing in the final textile product (woven and knitted fabrics).

Development of the splicer allowed the structure (twisting, appearance, strength) of the joints to be the same as the rest of the yarn. This improved the quality of the final textile product, reduced problems that knots caused in the spinning process and subsequent processing, and made it possible to implement high-speed technologies. As a result, productivity for textile products increased manyfold.

This technology has been widely applied over 40 years since it was invented, boosting production of textile products as per global technology standards for yarn spinning and splicing machinery.

*An award aimed at boosting science and technology standards in Japan

The Mach Splicer uses compressed air to loosen the ends of spun yarn to a fibrous state. Then, by joining together the loosened ends and blasting them with compressed air, the fibers are integrated (twisted) and many types of spun yarn can be joined together without knots.

Developer : *Hiroshi Mima*
Technical Department
Textile Machinery Division

Sponsoring EKIDEN

"Ekiden" is an athletic competition that enjoys particular popularity. The event is said to have originated exactly 100 years ago as a relay race stretching from Kyoto to Tokyo (roughly 500 km). Now, there are several ekiden events held all over Japan, but the Empress' s Cup Inter-Prefectural Women' s ekiden held in the ekiden epicenter of Kyoto is the most popular. The race is held at the start of each new year, and sees fervent support for teams that compete for the honor of their local areas.

Empress's Cup Inter-Prefectural Women's Ekiden

Female runners ranging from junior high school students to company employees join together to form teams, and run a course on the major city streets of Kyoto where Muratec Head Office is located. This race has served as a proving ground for the future generation of athletes, as past participants include runners who have gone on to become Olympic medalists. Muratec has independently sponsored this race every year since 1988.

muratec

Continually creating innovative tecnologies 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

Osechi-ryori

Special, traditional foods for the New Year holiday

年节菜

新年的特别料理

In Japan, the New Year holiday is called "O-shohgatsu." It typically refers to either the first three days or the first week of January.

The special food prepared for this holiday is called "Osechi-ryori." It is arranged in multi-layered boxes called "Jubako" to look visually appealing. The various foods and ingredients in Osechi-ryori incorporate sentiments of hope that the new year is a good one for family and friends.

For example, herring eggs which are called "Kazunoko" symbolize hopes for the prosperity of descendants. Black soybeans indicate hopes for good health. The red in red and white "kamaboko" fish cakes symbolizes protection against evil, while the white symbolizes cleanliness and sanctity. The red together with the white is also thought to portend good fortune.

在日本，新年被称作“正月”，一般指 1 月的前三天或一周。

为正月而制作的特别料理被称为 “年节菜”，精美地摆放在被称作重箱的套盒中。年节菜的每道料理和材料中都饱含着预祝家人和朋友度过美好的一年的良好愿想。

例如被称作“数之子”的干青鱼子意味着子孙满堂，黑豆代表着祈求健康。红白色鱼糕的红色有着驱魔的作用，白色则代表着纯洁和神圣，红白在一起则昭示着好运。