

THE NEW MVS ERA No.861 MVS WILL BE DEBUT AT ITMA 2003

Muratec's new version of the vortex spinning machine "The No. 861 MURATA VORTEX SPINNER" has made innovative improvements which enable it to directly wind on a cone take up a perfect shaped package in combination with an excellent splicer, an effective clearing and monitoring system.

The new machine can spin yarn at a maximum fast speed of 450m/m while offering various advantages of outstanding high-productivity, process integration, high quality and fashionable yarn called "VORTEX" can be produced. The new machine offers energy savings and is operator friendly.

The new air-vortex machine is set to debut in the forthcoming ITMA Birmingham in October 2003.

No.861 MVS features;

1. The world's fastest spinning speed of **450m/min.**
2. Produces **less-hairiness cone packages** that improve quality & productivity in following processes.
3. Creates **functional & fashionable yarn called "VORTEX"** that offers you a distinction of products
4. Perfectly User-Friendly in operation management & quality control **MSC (Murata Spin Clearer) & VOS (Visual On-demand System).**
5. **"Energy Saving"** ecological machine.

The No. 861 MVS is able to wind spun yarn on a cone take up with a maximum angle of 5 degree 57' with either a 127mm or a 146 mm traverse angle. The winding speed is not reduced by the cone take up which is not the

case in some OE rotor systems. The No. 861 MVS achieves cone shape winding at a revolutionary high maximum speed of 450 m/min. This is the fastest spinning system in the world.

In the MVS system sliver is spun directly to conical/parallel packages with quick feedback for quality control and operational management at a glance.

In the No. 861 MVS a "VOS" panel (Visual On-demand System) was installed. This is a well established in Muratec's proprietary Automatic Winder "No. 21C PROCESS CONER". "VOS" can simply control yarn speed and various spinning conditions which leads to easy handling of the machines operation. Key factors of "VOS" are (1) it is a simple manner to set the machines operating conditions, and (2) easy to monitor yarn quality and the machines operating conditions.

Moreover, the "MSC" (Murata Spin Clearer) based on a digital clearing system for all the spindles does not miss simple defects of the yarn such as minor slubs continuously detected in the process.

Producing functional and fashionable yarn with excellent value is our concept for the Murata Vortex Spinner. As we wrote in the 2003 Spring Edition of Sharing Your Life, apparel manufacturers are increasingly calling for the new material "VORTEX" the yarn produced by the MVS machine.

Now, we introduce a new MVS machine with higher productivity and one that is also more user-friendly. Your chance to broaden your markets is coming! See you at ITMA 2003.

Dear Customers:

On September 1, I formally assumed the post of president of Murata Machinery, Ltd.

The textile industry supports one of the three most basic elements of human civilization - clothing, food and housing. Since the company was founded, we have always held the highest esteem for our textile industry customers as they strive to provide the world with comfortable and attractive fashions.

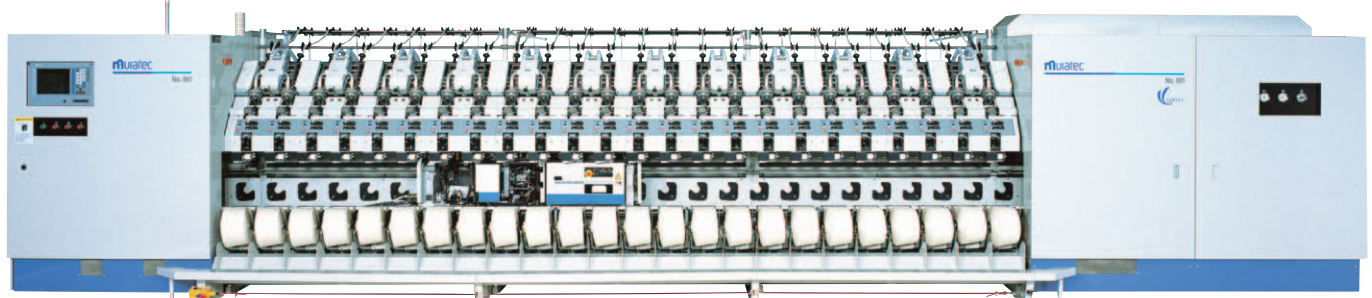
Murata Machinery continues to refine the technology and expertise acquired over many years. As a Machine Supplier that fulfills expectations and a reliable Business Partner, we aim to maintain the close working relationship with our customers, and contribute to the further development and prosperity of the world's textile industry.

Thank you very much for your ongoing support.



Daisuke Murata

Daisuke Murata
President & C.E.O.



NEW MAGAZINE WITH STRAIGHT YARN PATH WAS DEBUT! STRAIGHT PASS TO YOUR SUCCESS

As the final stage of spun yarn production, the automatic winder should be gentle on the yarn and maintain quality. It is better to have simple movements and no obstructions in the yarn path. In fact, from the supply bobbin to the take up package it is best to have a straight yarn path to keep stress on the yarn as low as possible. A straight yarn path enables high speed winding and also makes it easy for the operators and mechanics to see the winding process.

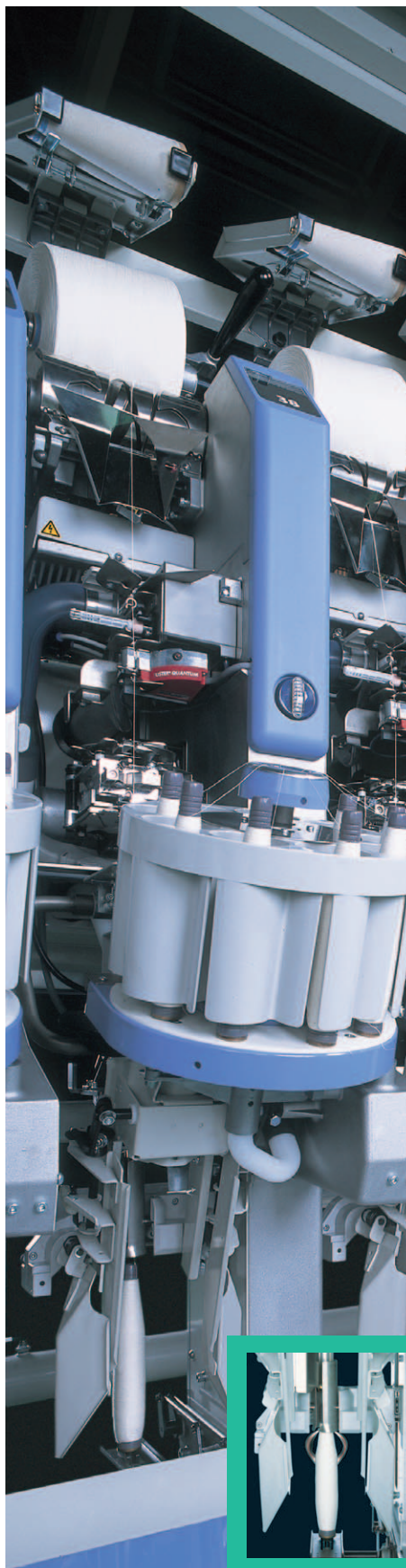
In addition to this, an automatic winder should do more than simply wind the yarn. The ideal winder is one that maintains pre-winding quality while adding new values to be carried over to the next process. From this strategic viewpoint, you should choose an automatic winder.

If all this seems to make sense to you then we think you will find out that you have a lot in common with our automatic winder "No. 21C PROCESS CONER".

Since its debut, a lot of spinning mills have purchased our automatic winder "No. 21C PROCESS CONER". With our cutting edge technologies such as the unique balloon controlling system "Bal-Con", the tension control system, "Tension Manager", and the hairiness reducing system "Perla-A and Perla-D", the No. 21C PROCESS CONER creates perfect packages with no ribbon patterns and less hairy yarn. This machine also improves quality and efficiency for the entire ring spinning process.

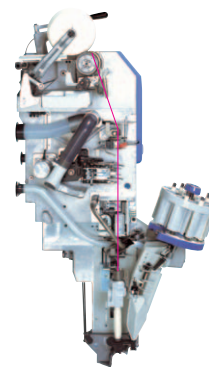
Therefore, we are proud to introduce our entirely new designed "No. 21C PROCESS CONER-Straight Magazine Type". This machine is equipped with a perfect straight yarn path which was well established by our "Bobbin Tray Type" machine. This machine is designed to be user-friendly as well as yarn-friendly which is the outcome of expertise cultivated over many years of achievements by Muratec. This "Straight Magazine" machine increases the value of your yarn and contributes to your profits.

We will exhibit this new machine at ITMA 2003 Birmingham, October 22 to 29, and also at ShanghaiTex 2003, December 10 to 13. We are looking forward to your visit. Don't miss this opportunity to open new possibilities in the global market place.



Perfect Straight Yarn Path

This machine has a perfect straight yarn path from the center of the bobbin through the clearer. The yarn clearer is positioned on the splicer and checks all yarn splicing operations. Waxing is no problem for the yarn clearer because it is located in front of the waxing device in the yarn path. The yarn clearer provides maximum quality protection with this latest function.



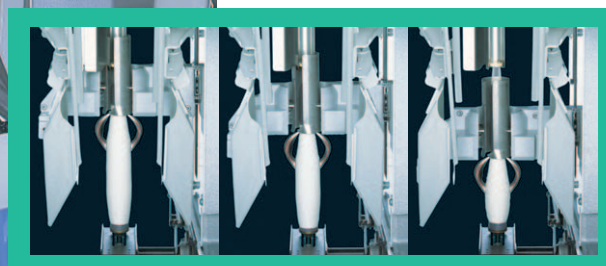
New 9-Can magazine

You have an option for a 9-Can magazine that contributes to maximizing productivity and operation while also increasing maintenance efficiency.



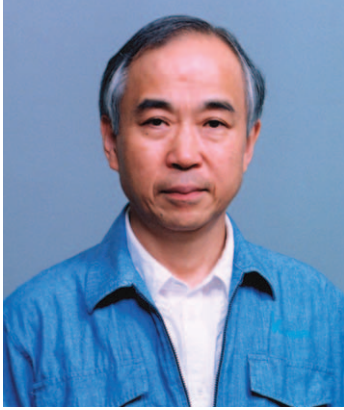
New Bal-Con & Kink Preventing System

This machine is equipped with a newly designed Bal-Con & Kink preventing system which was well established by our "Bobbin Tray Type" machine. This system has precise control of ballooning and kink prevention. This smart design also has better air circulation and easy maintenance.



SPECIAL INTERVIEW WITH MR. JUNJI KAIHARA

LINK CONER - GENERATES DIVERSITY MATCHING THE MARKET



Mr. Junji Kaihara
President & CEO
Kaihara Corporation



Kaihara Corporation - The Brand of Denim

Established in 1893, now approaching the 111th anniversary. Weaves 3 million meters of cloth per month and spins 6,000 bales per month (Open-end yarn and Ring spinning yarn). Operates integrated production lines from spinning, to dyeing, weaving and processing. Seven factories, including the headquarters. Operations centers in Fukuyama City in Hiroshima Prefecture (Headquarters), Tokyo, Osaka, Hong Kong.

Kaihara denim is well-known and highly valued by leading denim clothing manufacturers, not just in Japan but all over the world.

The Kaihara Corporation's strengths emerge from the unification of integrated production (from spinning to dyeing, weaving and processing), developmental capability, and proficiency in direct marketing.

Factory automation has saved production costs i.e. labor costs, reducing overall expenses, and opened the way for various kinds of high additional value - diversity matching the demands of Japanese consumers. This enterprise, too, has chosen its Winder - the No.21C PROCESS CONER.

-How cost-effective is denim production in Japan?

Mr. Kaihara We have made effort to strength our competitiveness in cost. Firstly, in point of our production management, we built our plant on our own, and manufacture even a part of production equipment that can be supplied from in-house forging plant. Furthermore, we are operating the factories installed the systems and equipments automated to the fullest extent, for enabling maximum labor cost rationalization and energy saving. This contributes to lowering manufacturing costs.

-Why do you continue production in Japan?

Mr. Kaihara In Japan, we have two thirds of all our customers, and supersensitive premium denim that leads the world market is always required. In this huge market, we must develop and supply new products timely, by deft and flexible response to diverse needs of customers.

We produce with rigorous quality control, and product differentiation that starts with the raw materials. In addition to our own spun yarn, we purchase outside the company, we do not switch suppliers because of price. Rather, our goal is to cooperate with spinning companies and thereby ensure precise raw cotton specifications, thorough manufacturing control, and consistent quality. By using the Supply Chain Management system, we are curtailing distribution costs. We can do these things



because we are in Japan, working with Japanese companies.

-Are there any plans for development overseas?

Mr. Kaihara We are not considering it. It is the most important for us to find out what consumers really think in Japan, one of the most sophisticated fashion market. Our products should be matched to consumers' preference and sentiments. Also, even if we deploy our business with the purpose of reducing labor cost, as the textile industry is fully automated, we can not get any cost advantages but high risks will be accompanied by the deployment.

-Why do you use the Muratec Link Coner and transporting system?

Mr. Kaihara Because we are aiming for laborsaving benefits attainable with total24-hour automation. Of late, packages have been growing larger, increasing the burden on operators. By integrating the Link Coner, package transporters and automated warehouses, they provide functions of a distribution center, and serves as a buffer solution. Many of the company's employees are young and ambitious, and we hope to stimulate aspirations for the future of the manufacturing industry.

-Please give us your opinion of the No.21C.

Mr. Kaihara It strikes me as being a sophisticated machine. Hairiness is an important factor in denim quality, and there appears to be very little variation from package to package.

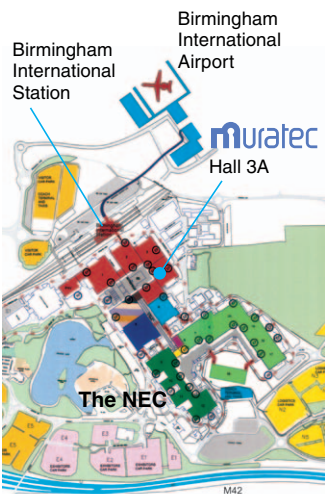


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**SHARING
YOUR LIFE**
2003 SUMMER

ADD VALUE? DIFFERENTIATE PRODUCTS? IN EITHER CASE, YOU SHOULD CHOOSE MURATEC! ... MEET THE CHANCE AT ITMA 2003.

We at MURATEC, in the name of the worldwide brand of textile machinery, have been continuously researching and developing state-of-the-art and environmentally friendly machines under the motto of how to maximize our customer's benefit.

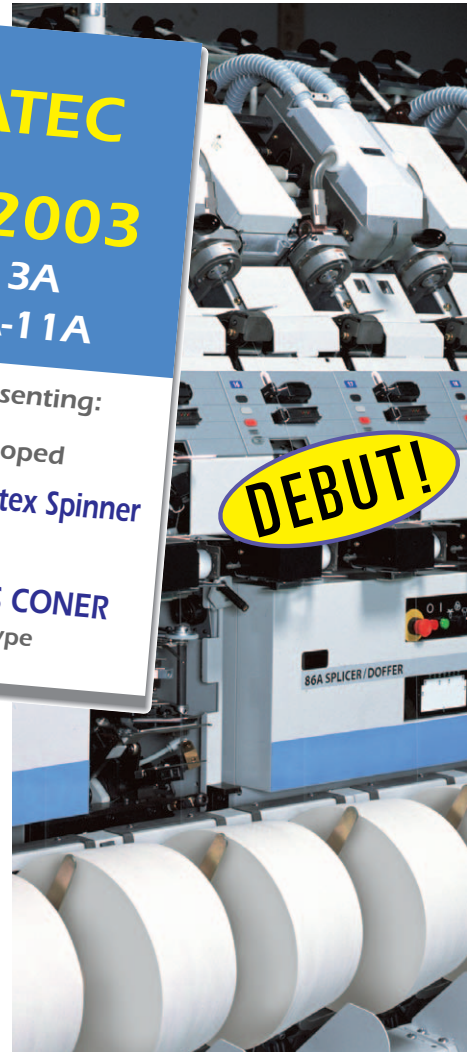


No.21C PROCESS CONER The Automatic Winder Bobbin-tray type

The No.21C PROCESS CONER is at the very top of the high-added value spinning fields now with less-hairiness and pattern-less perfect packages which maintain pre-process quality while adding new value and carry that new value over to the next process. The key for surviving amidst global competition is the creation of new high added value, and this is why the No.21C PROCESS CONER has received a high reputation from a great number of spinning mills in the global market. To reach the pinnacle of success in the field of ring spinning, the nearest way is the No.21C PROCESS CONER!

No.861 Murata Vortex Spinner Newly Developed Air-vortex Spinning Machine

Muratec also proposes an approach completely different to that of ring yarn with the MVS air-vortex spinning machine, which produces new functional and fashionable "VORTEX" yarn. The structure of "VORTEX" yarn differs a little from ordinary ring yarns, and this little difference gives "VORTEX" yarn outstanding qualities in Moisture Absorption, Quick Drying, and Durability. This unique yarn is ideally suited for casual wear. This VORTEX will help to produce the different products and the MVS will help to broaden the horizons for your marketing strategy.



In either case, you choose the way to the pinnacle of success in the completely different approach to the apparel market, both of our machines may help you to be a successor in the global market.