



JUKI

JUKI CORPORATION

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Introduction of main models for display in Japan International Apparel Machinery Trade Show, JIAM2012 OSAKA.

JUKI is going to take part in JIAM 2012 OSAKA, JAPAN International Apparel Machinery Trade Show, to be held for the four-day from September 19 through September 22, 2012 at INTEX Osaka.

JUKI's booth occupies the largest space (1,080 square meters) in the venue among the companies which will participate in the exhibition. The booth consists of five zones and two sections for displaying 100 sewing machine units, including 53 industrial sewing machine units and 47 household sewing machine units (including those displayed in the household sewing machine zone in Building No. 5) .

Introduction of zones and sections in which JUKI products will be displayed

【Five zones】

(1)New products zone ... 19 units are displayed

JUKI new products, such as the new model of flat-bed coverstitch machine(MF-7500(D), MF-7900(D)), new model of eyelet buttonholing machine(MEB-3810), computer-controlled high-speed lockstitch button sewing machine(LK-1903AN), overlock/safety stitch machine(MO-6500S) developed for the market for sewing machines intended for those who have just started manufacturing garments, and the automatic pocket sewing machines for jeans(AP-876, AMS-221EN-HS3020) which come in many different subclass models will be introduced. On the demonstration sewing line which consists of the newly-developed products, a new system(Intelligent Sewing System) which realizes greater "visualization of the sewing site" will be presented through the introduction of activities at the JUKI Sewing Research Institute with a demonstration of the technologies for improving seam quality and basic knowledge of sewing.

(2) Automatic Machine zone ... 7 units are displayed

Laborsaving automatic machines developed by the comprehensive technology of JUKI will be introduced. All of models contribute to enhanced responsiveness to materials, increased productivity and improved quality, as well as

help achieve production without requiring that operators have special skills.

(3)Knitwear / Foundation Machine zone ... 11 units are displayed

The latest sewing machines for knitwear will be introduced through a demonstration sewing line. These include a new model of coverstitch machine(MF-7500D、MF-7900D) provided with so-called "dry" technology which has been developed by JUKI over many years and a new model of overlock machine(MO-6700DA).

(4)Non-apparel Sewing Machine zone ... 14 units are displayed

Products best-suited for sewing car seats, furniture, shoe uppers, bags and pouches will be introduced, including the most-advanced computer-controlled cycle machine(AMS-224EN-HC6060) with a wide sewing area, which is highly reliable and is provided with excellent sewing capabilities (suitable for sewing airbags), the computer-controlled pattern bartacking machine(LK-1942ZA/5050A)with a full-rotary 3-fold hook (suitable for sewing seatbelts) and the semi-dry head, high-speed, 1-needle, unison-feed, lockstitch machine(LU-2810A-7).

(5)Household Sewing Machine zone ... 21 units are displayed

21 units of household sewing machines/semi-professional sewing machines of which two are a new series of computer-controlled sewing machines (HZL-G Series、HZL-K Series) incorporating the same genuine technology as with the industrial sewing machines will be introduced.

* In the special exhibition space「Household Sewing Machine ZONE」 in Building No.5【5-115】, JUKI will make a presentation of 26 units of household sewing machines/semi-professional sewing machines for promotion and will run a "hands-on section" to let visitors have the experience of sewing.

【Two sections】

(1)Attachment Corner ... 2 units are displayed

Attachment-related technology which contributes to increased productivity and improved quality will be introduced by giving a demonstration on making an attachment and then sewing with that attachment.

(2)Parts Inquiry Desk

A service system by JUKI through the worldwide JUKI supply network and the genuine part-number retrieval system by means of our web parts book will be introduced.

Major new products to be displayed

MF-7500(D)/7900(D) Series

Flat-bed / Cylinder-bed (Semi-dry-head), Top and Bottom Coverstitch Machine

Outline of product

It is the fully changed model of the top and bottom coverstitch machine MF-7700/7700D/7800/7800D Series. It is a new product provided with a direct-drive motor (for the model provided with a thread trimmer) and other exclusive mechanisms which can not be found in competitors' models.

Features

- (1)The machine has improved responsiveness to hard-to-sew materials since it is provided as standard with an externally-adjustable feed locus and a micro-lifter.
- (2)The maximum sewing speed of the MF-7500D/-7900D has been increased to 5,000 sti/min. In addition, thanks to the needle-bar stroke changeover function (31mm \Leftrightarrow 33mm), the machine is able to sew heavy-weight materials.
- (3)The machine is provided as standard with a function for preventing thread from twining on the looper cam, thereby enhancing maintainability.
- (4)The model with a thread trimmer is provided with a direct-drive motor, thereby improving operability and reducing power consumption.

MO-6500S Series

Overlock / Safety Stitch Machine

Outline of product

This is an overlock / safety stitch machine intended for customers who are engaged in the production of knit products mainly in Asia and the developing countries.

Features

- (1)The major parts have been plated in order to prevent the material from being stained by those parts to such an extent that the finished quality of the product is impaired.
- (2)The sewing machine is provided as standard with a looper longitudinal position fine-adjustment screw.

MO-6700DA Series

Semi-dry-head, High-speed, Overlock / Safety Stitch Machine

Outline of product

The MO-6700DA Series has been developed by remodeling the MO-6700D Series, which has been noted as being the one and only overlock / safety stitch machine equipped with a dry-head. The sewing speed of the new series has been substantially increased (Max. sewing speed : 6,000sti/min \Rightarrow 7,000sti/min). In addition, the new series enables greasing of the upper looper components in regard to the maintenance to be done by the sewing plant.

Features

- (1)Oil splashes are substantially reduced to eliminate oil stains on sewing products, thereby upgrading the finished quality. The frequency of stain removal or re-sewing is reduced.
- (2)The needle bar mechanism and upper looper mechanism have been re-designed to require no lubrication.

LK-1903AN/BR35S

Computer-controlled, High-speed, Lockstitch, Button Sewing Machine (with button feeder)

Outline of product

The LK-1903AN/BR35S Series is a computer-controlled, lockstitch, button sewing machine provided as

standard with 50 different sewing patterns. Operators are not required to have special skills since the button feeder automatically supplies buttons.

Features

- (1)The machine achieves sewing speed of 2,700sti/min, acceleration/deceleration at the beginning and end of sewing, thread-trimming and automatic presser lifting speeds have been increased to shorten total cycle time.
- (2)Thanks to our advanced dry-head technology, the frame (needle bar and thread take-up) no longer requires lubrication. This prevents the material from being stained with lubricating oil. Just a small quantity of clean oil is supplied from the oil tank to the hook.

Intelligent Sewing System

Outline of product

Visualization of the production line is achieved by directly connecting the sewing machines to the network. This facilitates the spotting of problems in the production line, thereby enhancing the customer's management level, increasing efficiency in the sewing site and strongly supporting personnel training.

「IT Series」Features

- (1)Real-time display of the target quantity and the actually-produced quantity is enabled. This helps develop the operator's awareness of the production target to be achieved.
- (2)An LED lamp flashes on and off to let the operators know that the target is not yet achieved.
- (3)The sewing recorder function allows the sewing plant managers to identify the operating status of the sewing machines. This function greatly helps the managers who instruct the sewing machine operators.

「IA-1 Series」Features

- (1)Visualization can be realized in terms of various aspects of the customer needs such as the progress status, facility operating status and the production line analysis.
- (2)The production line managers easily find problems in the production line by means of the IA-1.

MEB-3810 Series

Computer-controlled, Eyelet Buttonholing Machine 〈for jeans and cotton pants〉

Outline of product

The MEB-3810 Series is a newly-developed eyelet buttonholing machine for jeans and cotton pants. It automatically carries out buttonholing and perforating of the material to make holes (cloth trimming). Thanks to the maximum sewing speed and the speed-increased cloth trimming knife, the sewing machine demonstrates increased productivity.

Features

- (1)The MEB-3810 reduces the machine time by approximately 22% due to its maximum sewing speed of 2,500 sti/min and its speed-up cloth cutting knife, thereby demonstrating increased productivity. Then newly adopted direct-driven main shaft by means of a compact AC servomotor not only achieves enhanced responsiveness, but also achieves both reduced noise and reduced vibration.
- (2)Various improvements, including the reduced projection of the arm frame of the sewing machine head, increase viewability around the needle entry. In addition, the flattened plane on which the material is placed and the LED light which is provided as standard contribute to improved workability and operability.

AP-876

Automatic Pocket Setter 〈For Jeans〉 (fully automatic)

Outline of product

The AP-876 is a pocket setter for jeans which fully automatically folds pocket cloths, sets them on garment bodies, sews them on the garment bodies, carries out bartacking and stacks the finished garment bodies to achieve higher productivity and consistent quality.

Features

- (1) A series of the pocket sewing process is completed in 9.9 sec/pocket, thereby achieving productivity approximately seven times as high as general-purpose sewing machines.
- (2) The machine contributes to the achievement of production without requiring the operators to have special skills and realizes high-quality pocket sewing with consistency.

AMS-221EN-HS3020SZ/7200

Computer-controlled Cycle Machine with Input Function (for sewing pockets on jeans)

Outline of product

This model of sewing machine sews pocket cloths which are folded into the pocket shape on jeans bodies. Both production without requiring the operators to have special skills and the production of seams of consistent quality are promised while achieving substantially-increased productivity. A pocket style jig can be made with ease using a plastic blank plate according to the pocket shape.

Features

- (1) The operator is able to attend to two sewing machines at one time by the use of the SS46 stacker (optional), thereby achieving higher productivity. (Productivity is nearly doubled when compared with the operation method in which the operator attends to one unit of the sewing machine.)
- (2) Maximum stitching range of a pocket that can be sewn is 246mm (width) × 200mm (length).

AMS-224EN-HC6060

Computer-controlled Cycle Machine with Input Function (600mm × 600mm)

Outline of product

The AMS-EN Series has been favorably received in the market because of its ease of use, achieved by the smooth setting of sewing material and the large-sized color liquid crystal touch panel. The following additional models are now added to the large-sized series. The machine not only achieves higher productivity due to instantaneous increases/decreases in sewing speed at the beginning /end of sewing and increased speed of thread trimming, but also achieves a flexible responsiveness to materials to promise enhanced seam quality due to JUKI's unique active tension and programmable intermediate presser.

Features

- (1) The cycle machine, which even has a wider sewing area, achieves an improved seam quality, increased productivity and easier operation.
- (2) The sewing machine's broader sewing area is very helpful for sewing airbags and responds to various applications.

LU-2810A-7 Series

Semi-dry-head, High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook and Automatic Thread Trimmer

Outline of product

The LU-2810A-7 Series is a high-grade model with dramatically improved functions and performance as compared with its predecessor model, i.e., the JUKI conventional LU-1500N Series. With its substantially increased distance from the machine arm to the needle and its presser bar lifting height, the sewing machine is best-suited for the sewing of large products and extra heavy-weight materials.

Features

(1)The space from the machine arm to the needle is 346 mm x 126 mm, the maximum height of the presser bar lifting is 20 mm, and the amount of the alternating vertical movement of the walking foot and presser foot is 9 mm. With all of these increased dimensions, the sewing machine is able to sew a substantially broadened range of large products and extra heavy-weight materials.

(2)The LU-2810A-7 Series is the industry's first unison-feed sewing machine with a direct-drive motor for heavy-weight materials. It has adopted a high-torque servomotor, thereby achieving responsiveness and sewing capabilities which have never before been achieved.

(3)Newly-designed tank type automatic lubrication has been adopted to enable clean and consistent lubrication.

LK-1942ZA/5050A

Computer-controlled Shape-tacking Machine with Full-rotary 3-fold Capacity Hook (for sewing seatbelts)

Outline of product

Thanks to the adoption of JUKI's unique three-fold hook, heat cutters and the stitch skipping detecting function, the sewing machine eliminates sewing troubles, thereby improving the seam quality. Since the sewing machine has adopted a needle hole guide which is suitable for the sewing of seatbelts, consistent seam quality is achieved.

Features

(1)The needle thread and bobbin thread are respectively trimmed with separate heat cutters without fail. In addition, the remaining length of thread is 5 mm or less, thereby achieving higher seam quality.

(2)Since the sewing machine is provided with a stitch-skipping detecting function, it helps reduce the risk of the distribution of defective products.

(3)The function for preventing wrong insertion of the bobbin prevents sewing in a state where the bobbin is not properly inserted.

HZL-G Series

Medium-grade Household Computer-controlled Sewing Machine

Outline of product

The HZL-G Series is a higher-grade model based on the Exceed (Exceed, HZL-F) Series, which has been well received by those customers who like quilting and who have acquired a higher skill level of home sewing because of its sewing performance and easy-to-use functions.

Features

- (1)The sewing machine has adopted the "box feed" technology which has been originally developed for industrial sewing machines for preventing stitch gathering and slippage of material, thereby achieving beautiful seams.
- (2)Thanks to seven feed dogs and improved presser foot shape, the sewing machine is able to sew multi-layered parts of materials, including denim, thereby achieving powerful sewing of heavy-weight materials.
- (3)The sewing machine is provided with a broader sewing area and various functions for carrying out higher-grade sewing.

HZL-K Series

Medium-grade Household Computer-controlled Sewing Machine

Outline of product

The HZL-K Series is a computer-controlled sewing machine provided with only basic functions to achieve an affordable price. Since the sewing machine is controlled by a built-in computer, thread tension, zigzag width and feed length are adjusted to optimum values simply by selecting a pattern. Since the sewing machine does not require troublesome setting procedures, it is a user-friendly machine for inexperienced users and elder users.

Features

- (1)The sewing machine status is indicated by a large start/stop switch.
- (2)Because of its three-quarters size, which is the most-popular size on the market, the HLZ-K Series is an easy-to-handle compact sized sewing machine.
- (3)The sewing machine is provided with various functions to promise comfortable sewing, such as two different automatic back tack stitching functions, one of which can be selected by the user.

* Please note that the sewing machines to be displayed in the exhibition are subject to change without prior notice.

Overview of the JUKI exhibition booth

Location of the JUKI exhibition booth : Booth No.3-321, INTEX Osaka

Models to be exhibited (plan): Industrial sewing machines 53 units
 Household sewing machines ... 21 units

Location of the JUKI Household Sewing Machine ZONE : Booth No.5-115, INTEX Osaka

Models to be exhibited (plan): Household sewing machines..... 26 units
 TOTAL 100 units