



JUKI

JUKI CORPORATION

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"Information about JUKI products at the Texprocess Americas 2018"

JUKI will be taking part in the Texprocess Americas 2018 to be held from May 22 to 24 this year at the Georgia World Congress Center in Atlanta, Georgia, U.S.A. Totally thirty-nine models (including eighteen new models) will be on display in JUKI booth (Booth #733 in Hall No. B1). The allocated exhibition space will be 4,500 square feet.

JUKI's exhibition concept

With the concept of "JUKI Smart Solutions - Innovation with our Best Global Support - (JUKI globally supports you with smartification of your factories) ", solutions for total production lines are displayed. The products displayed include the state-of-the-art industrial sewing machines incorporating highly advanced automatization technologies which complement manual work, and peripheral products which are not used for sewing. In addition, the latest lineup of digital sewing systems that enable creation and reproduction of any stitching as desired, as well as a practical example of systematization of sewing workshops.

● Overview of the exhibition sections and main sewing machines to be displayed

A. Section for JaNets / digital sewing system

With an eye on car seat sewing and shirt sewing, the smart manufacture line which connects sewing machines and network system "JaNets" is demonstrated.

JUKI provide visitors with an example of utilization of bidirectional communication between digitalized sewing machines that use the latest "IoT technology" and the network system "JaNets".

B. Section for jeans and automatic sewing machines

In this section, automatic sewing machines such as flat-pocket setter for jeans which achieve deskilling and labor-saving are displayed. This section is arranged for introducing equipment that has excellent material responsiveness, improves productivity and quality, and achieves deskilling.

C. Section for non-apparel products

In this section, sewing machines for heavy-weight materials that are best suited to applications including leather automotive interior parts and furniture are introduced.

D. Section for knit product

The sewing lines with the image of polo-shirt sewing line as well as broader solutions for bonding and garment printing are introduced.

●New products in the respective sections

◆Section for JaNets / digital sewing system

MS-1261A / DWS < 3-needle, feed-off-the-arm, double chainstitch sewing system >

●Product summary

This double chainstitch machine is capable of performing high speed sewing at the maximum sewing speed of 5,000 sti/min as well as achieves the production of high-quality seams.

Since the feed amount and presser foot pressure of the new cloth puller can be set digitally with ease, adjustment of sewing can be carried out without difficulties when the material to be sewn is changed. Sewing condition data and setting data can be browsed and edited, as well as the troubleshooting chart can be displayed with JUKI Appli installed on tablets and smartphones, thereby facilitating data management.

DDL-9000CFMS < Direct-drive, high-speed, lockstitch sewing system with automatic thread trimmer (full-digital type) >

●Product summary

The DDL-9000C is the lockstitch machine with thread trimmer which digitalizes functions that determine "seam" quality and facilitates data transfer by utilizing the IoT technology. Since the vertical and horizontal feed mechanisms are digitalized, optimum adjustments of sewing, on a material-by-material basis, can be achieved only by setting data through



the operation panel. The sewing data that are best suited to materials of diversified products used in apparel sewing plants can be stored in memory on a material-by-material basis. In addition, the relevant data can be easily reproduced as desired when sewing under the same condition.

◆Section for jeans and automatic machine

PS-700 < Pattern seamer (1,200 mm (width) x 700 mm (length)) >

●Product summary

The PS-700 is JUKI's large pattern seamer which is provided with the active tension system to control the needle thread tension and achieves the industry's highest jump speed of 800 mm/s. It is able to flexibly carry out sewing of large patterns and is able to perform quilting and runstitching of down jackets and winter sportswear in a single sewing sequence only with single setup. In addition, this pattern seamer is capable of



runstitching many parts such as shirt cuffs also in a single sewing sequence. Normally, the sewing machine that has a large sewing area requires frequent change of bobbin thread. For the PS-700, however, the bobbin changer (BK-7) feature is available to solve the inconvenience of frequent bobbin

thread changing which is conventionally associated with the sewing machine with a large sewing area. With the BK-7 which eliminates replacement of bobbin thread, productivity is further increased.

AP-876 with flap clamp < Pocket setter (for jeans) >

●Product summary

This pocket setter for jeans fully automatizes a series of pocket setting / flap attaching processes for jeans, thereby contributing to increased productivity and stabilized quality. Since pockets are folded on the table while preventing deflection of the pocket style jig, more-sharply folded pockets are obtained. When setting a pocket on a garment body, the pocket is moved and pressurizes in vertical direction, thereby preventing the pocket cloth from slipping out of position.



◆Section for non-apparel products

AMS-251 < 1-needle CNC machine (head turning type) >

●Product summary

With its machine-head turning mechanism, this sewing machine achieves improved and uniform seam quality regardless of the sewing direction. With this capability, this sewing machine meets the needs of various industries. The sewing machine is best-suited to sewing decorative stitches on car seats, luxury bags and school bags as well as to sewing large products such as air bags which do not permit irregular stitches. The knife needle that is used for sewing leather, etc. can be used, thereby satisfying required quality.



AMS-224EN4530R/ AW-3 < Computer-controlled cycle machine with input function

(with automatic bobbin thread winding and feeding device) >

●Product summary

The AMS-224EN4530R has adopted the full-rotary type hook. It is also provided with the automatic bobbin-thread winding and feeding device (AW-3) which is suited to sewing large articles such as car seats. In the case of sewing large articles, etc., a large quantity of bobbin thread is consumed during sewing one article. This means that replacement of bobbin frequently occurs. Since the AW-3 changes bobbins automatically during sewing, the operator



is able to concentrate on sewing without worrying about shortage of bobbin thread. In addition, only two bobbin cases are required for sewing. As a result, burdensome control of bobbin thread tension and bobbin-changing work are no longer required, thereby contributing to increased productivity.

◆Section for knit products

MF-7913DRH24E64/UT56/MC37 < Semi-dry head, cylinder-bed, bottom coverstitch machine >
(Digital feed / hemming type)

●Product summary

The MF-7913DRH is best-suited to hemming process of tubular sections of T-shirts and polo shirts. This coverstitch machine prevents problems, such as twist of fabric, uneven material feed, skew of texture grain and stitch gathering on multi-layered sections of material, which are likely to occur when sewing newly-developed elastic materials, thereby achieving stable seam quality.

The digital type top feed mechanism smoothly and consistently feeds the material straight, thereby preventing wobbling of material. When comparing with the bottom and variable-top feed mechanism, the digital type top feed mechanism does not leave damages and marks on the material even when a light-weight material is used.

