



JUKI

JUKI CORPORATION

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Information about JUKI participation in the Texprocess2017



Conceptual illustration of JUKI booth

JUKI will be taking part in the Texprocess2017 to be held from May 9 this year at Frankfurt international exhibition center (am Main in Frankfurt), Germany. Totally sixty-one industrial sewing machines (including thirty-four new models; percentage of the new models: 56 %) and twelve household sewing machines (including five new models; percentage of new models: 42 %) will be on display in JUKI booth (Booth No. C90 in Hall No. 5.0). The allocated exhibition space will be 504 square meters.

With respect to industrial sewing machines, JUKI introduces total-solution products with the concept of "Best Global Support - (JUKI globally supports you with smartification of your factories)". Products displayed include automatic machines which improve productivity and quality, 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. With respect to household sewing machines, the booth includes a hands-on corner to allow visitors to actually operate the sewing machines that interest them.

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

A. Section for smart manufacturing line / digital sewing system

With an eye on car seat sewing, the smart manufacture line which connects sewing machines and network system by means of the latest digital terminals is demonstrated.

For the digital sewing system, JUKI provide visitors with an opportunity to know digitalized sewing machines that flexibly respond to changes in sewing items and materials, introducing an example of utilization in combination of "IoT technology".

B. Section for non-apparel products

In this section, a sewing line with the image of shoes/leather products sewing line as well as sewing machines that are best suited to applications including automotive interior parts and furniture are introduced.

C. Section for knit products

The latest models are displayed in this section centering two sewing lines; one with the image of polo-shirt sewing line and the other with the image of underwear / sportswear sewing line.

D. Section for jeans

In this section, automatic sewing machines including the AMS-221ENTS / X90004 (two-color stitching pocket setter for jeans) which achieve labor-saving are displayed. This section is arranged for introducing equipment that has excellent material responsiveness, improves productivity and quality, and achieves deskilling.

E. Section for shirts, workwear and apparel products

Products for improved productivity and quality as well as essential products for sewing underwear that achieve excellent material responsiveness and flexibility are introduced in this section including automatic sewing machines required for sewing men's shirts.

F. Section for household sewing machines

In this section, newly-developed computer-controlled sewing machine DX2000QVP, long-arm sewing machine TL-2200QVP dedicated for quilting (5-feed frame type) and MCS-1500 dedicated for coverstitch are displayed. This section includes a hands-on corner to allow visitors to actually operate the sewing machines that interest them.

●New products in the respective sections -----

◆Smart manufacturing line / digital sewing

[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 can be used, thereby satisfying required quality.

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

●Product summary

The DDL-9000C is the lockstitch machine with thread trimmer which digitalizes functions which

determine "seam" quality and facilitates data transfer by utilizing 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 pieces sewing data that are best suited to diversified materials 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 non-apparel products

[AMS-224EN4530 R/ AW-3 < Computer-controlled cycle machine with input function \(with automatic bobbin thread winding and feeding device\) >](#)

●Product summary

The AMS-224EN4530RS 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.

[AB-1360 / CR-10A < 1-needle, automatic shoelace loop attaching machine < provided with preset loader\) >](#)

●Product summary

The preset loader provided for the AB-1360 / CR-10A automatically supplies shoelace loops and shoe tongues. As a result, not only positioning of those parts is not required but also automatic positioning contributes to stabilization of shoelace loop attaching position. This model of automatic machine achieves full-automatic sewing while eliminating operator-by-operator variability in seam quality and incorrect sewing positions.

◆Section for knit products

[MF-7913DRH24E56 / UT56 / MC37 < Semi-dry head, cylinder-bed, bottom coverstitch machine \(Digital feed / hemming type\) >](#)

●Product summary

The MF-7900DR 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.

◆Section for jeans

[AMS-221ENTS3020 / X90004 < Two-color stitching pocket setter for jeans >](#)

●Product summary

This model of sewing machine is a pocket setter for jeans. This single unit of sewing machine is able to perform two-color stitching. In the case of performing sewing with two different color threads, it has conventionally been required to change the thread currently used with different color thread or to re-place the material on another unit of sewing machine. With this pocket setter, the operator can sew the material continuously with two color threads (two different types of thread) once he/she places the material on this single unit of sewing machine, thereby substantially saving the operator's working time. Re-placement of the material on different unit of sewing machine is likely to cause a minute change in position of the material. The AMS-221ENTS3020, however, performs stable stitching regardless of the operator's skill while eliminating such a minute change in position of the material, thereby improving quality.

◆Section for shirts, workwear and apparel products

[PS-700 / BK -7 < Pattern seamer \(1,200 mm \(width\) x 700 mm \(length\)\) >](#)

●Product summary

The PS-700 is JUKI's first 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 run stitching of down jackets and winter sportswear in a single sewing sequence only with single setup. Since this machine has a large sewing area, frequency of bobbin thread changing increases. To solve the inconvenience of frequent bobbin thread changing, the bobbin changer (BK-7) is available. With the bobbin changer, productivity is further increased.

◆Household sewing machines

[TL-2200QVP 5-feed standup < Long arm sewing machine exclusively for quilting with automatic thread trimmer >](#)

●Product summary

The TL-2200QVP is a large sewing machine exclusively developed for quilting that joins patchwork fabric and cotton. In comparison with the standard household sewing machines, the length of arm of the TL-2200QVP is twice or more. With this long arm, a large handicraft can be quickly finished without folding the fabric. In addition, thanks to its improved operability, beautiful decorative stitches can be sewn on handicrafts with ease.