



JUKI

JUKI CORPORATION

May 20, 2022

「Texprocess 2022 Frankfurt Germany」
A Guide to the JUKI exhibits in Texprocess 2022



Conceptual illustration of the JUKI booth

JUKI will be showcasing its industrial and household sewing machines at Texprocess 2022, a major exhibition to be held at the Frankfurt International Exhibition Center in Frankfurt, Germany from June 21 to 24 this year.

In the industrial segment, JUKI will be introducing total-solution sewing machines item-by-item based on the concept of "Best Global Support" (global support from JUKI for the smartification of your factories). The products introduced will include automatic machines that improve production capacity and product quality, forefront industrial sewing machines incorporating advanced automatization/digitalization technologies to complement manual work, and peripheral products designed for various related non-sewing processes. JUKI will also be demonstrating its networked IoT technologies in a series of sewing workshops to propose solutions to various problems on the production front. Visitors will also have the opportunity to receive various technical support services and consultations in the parts consultation section of the JUKI booth.

In the household segment, visitors will be introduced to selected household sewing machines that make the best of JUKI's strengths. JUKI's newest and highest-performance models will take the spotlight.

[JUKI booth exhibit overview]

- Exhibition location: Frankfurt International Exhibition Center, Frankfurt, Germany
Booth No. B51/B71 in Hall No. 9
- Exhibition space: 588 m²
- Number of models to be shown:
Fifty-one industrial sewing machines (including 12 new models and 1 soon-to-be-launched model) and three systems
Twenty-two household sewing machines (including two new model and two soon-to-be-launched models)
- Concept of exhibition: JUKI Smart solutions - Innovation with Our Best Global Support -

◆ Overview of the exhibition sections and main sewing machines to be shown

A. JaNets - DX line

A demonstration of the sewing of collared shirts using JUKI's DX line of digital sewing machines.

JUKI's DX digital sewing machines download sewing machine control data through JaNets, a simple machine operation management system that can be installed on any type of digital sewing machine (by any manufacturer) to enable the instant changeover of machine specifications. In the demonstration given in the JaNets section, visitors will see how easily the sewing specifications can be switched between two fabric types on JUKI's digital sewing machines without requiring manual adjustments by technical personnel.

B. Automotive

The latest models suitable for the sewing of car seats, air bags, and seatbelts will be introduced. For the sewing of car seats, JUKI's perforating equipment will also be on display.

C. Upholstery

The latest models suitable for the sewing of furniture will be introduced, along with the LU-2800V, a machine modified to mount a super-long arm.

D. Leather goods

Computer-controlled cycle machines and large and small digital sewing equipment with cylinder beds suitable for the sewing of bags will be introduced. A computer-controlled cycle machine for the sewing of saddle stitches will also be on show.

E. Workwear/Jeans

The latest models suitable for the sewing of heavy-weight materials will be introduced. Visitors will also have the chance to see a semi-automatic digital sewing machine capable of carrying out corner stitching, a pattern seamer for tucking, and an automatic belt loop attaching machine.

F. Sportswear/Underwear/Swimwear

A shirt-sewing line will be introduced to demonstrate the capabilities of JUKI's equipment for knit fabrics. In addition to a product jointly developed with Pegasus, the booth will be featuring various automatized sewing machines that improve production capacity and product quality, including various alliance products such as automatic bottom hemming machines.

G. Medical wear

Joining equipment and non-sewing equipment such as airtight bonding machines and sealing machines will be introduced.

H. Parts consultation

Visitors will have the chance to consult with JUKI technicians on parts and ancillary devices for improving quality and production capacity. JUKI's preventive maintenance system "ShuHaRi" will also be demonstrated, along with JUKI's essential e-learning system for the training of operators.

I. Household sewing machines

The household section will be introducing a lineup of new computer-controlled sewing machines, along with JUKI's upcoming small-sized overlock machine with a pneumatically driven automatic looper threading function. Visitors to the hands-on corner will be invited to operate the sewing machines that interest them.

◆ Sewing machines to be shown in the exhibition sections (new products)

● JaNets -DX line

- **JaNets JT Simple (JUKI advanced network system) <Upgraded>**

Equipment operation management system

(Application: A JUKI-developed IoT service for increasing production capacity)

With JaNets, all sewing machines, including non-JUKI models, are visualized to allow any sewing machine to see accurate and real-time information from a distance.

By visualizing parameters such as the operation rate, progress management, production output (by sewing machine, by operator, by line, etc.), processing time, bottlenecks, etc.,

factory managers can identify areas for improvement and enhanced production capacity. JaNets also supports small-lot production of customized products by enabling JUKI digital sewing machines to share sewing setting data.

- **Automotive**

- **AW-3S (AMS-224EN4530/AW-3SC)**

Automatic bobbin thread wind-and-feed device

<Retrofit kit for the AMS-221EN/AMS-224EN (shuttle hook type)>

(Application: the sewing of air bags, sports shoes, bags, etc.)

The AW-3S is an automatic bobbin thread wind-and-feed device that can be retrofitted to a computer-controlled cycle machine with a semi-rotary shuttle hook. Seam quality, production capacity, and operability can be further improved by mounting this device on a JUKI computer-controlled cycle machine. In most sewing operations, the operator manually replaces the bobbins. If installed on your machine, the AW-3S will automatically switch in a new bobbin and wind it with thread before the thread on the old bobbin runs out. Never again will you worry about winding the bobbin or the remaining bobbin thread.



- **LU-2828NV-7**

Semi-dry, direct-drive, 1-needle, unison-feed, lockstitch sewing system with an automatic thread trimmer

(Application: For sewing heavy-weight materials such as real or faux leather and heavy-weight fabrics for car seats, sofas, etc.)

The LU-2828NV-7 is a digital sewing machine designed for further improved sewing performance. All of the main sewing setting items are digitalized, along with secondary functions such as the thread tension, stitch length, sewing speed, presser foot pressure, and alternating vertical movement. Adjustment work conventionally requiring operator experience is now deskilled, and the seam quality first created can be reproduced forever after.

- **PLC-2760NV-7**

Semi-dry, direct-drive, 2-needle, post-bed, unison-feed, lockstitch sewing system with a large vertical-axis hook

(Application: For sewing heavy-weight materials such as real or faux leather and heavy-weight fabrics for car seats, sofas, etc.)

The PLC-2760NV-7 is a post-bed digital sewing machine designed in further pursuit of sewing performance. All of the main sewing setting items are digitalized, along with secondary functions such as the thread tension, stitch length, sewing speed, presser foot pressure, and alternating vertical movement. Adjustment work conventionally requiring operator experience is now deskilled, and the seam quality first created can be reproduced forever after.

- **Workwear/Jeans**

- **MEB-3200C**

Computer-controlled, eyelet buttonholing sewing system <for jeans>

(Application: For sewing various eyelet buttonholes on menswear, ladies' wear, jeans, cotton pants, working pants, etc.)

The MEB-3200C Series has adopted a color LCD and touch panel to provide a UI (user interface) that ensures ease of use in setting and checking data.

This sewing machine has adopted a motor-controlled vertically-driven cloth-cutting knife. The knife pressure can be easily adjusted on the operation panel to suit the material used. Thanks to the newly automated control of the cloth-cutting-knife pressure, the knife



pressure set on the operation panel can be perfectly maintained even when the knife holder height or another condition changes. The knife pressure never has to be readjusted after the knife holder is replaced or repaired. The time required for set-up changes is substantially reduced. (The knife pressure can also be set to suit changing sewing patterns.)

- **Sportswear/Underwear/Swimwear**

- **M-900DJ Direct-drive, high-speed, safety stitch machine (Chain-off thread trimming with sensor / Automatic foot lifter / Chain-off thread suction)**

(Application: For overlocking various apparel products and knits)

This is the first direct-drive overlock machine jointly developed by JUKI Corporation and PEGASUS SEWING MACHINE MFG. CO., LTD.

The M-900DJ is an operator-friendly sewing machine provided as standard with smart devices (cover sensor unit and cover micro unit), an LED light, and a 3-point material sensor (DJ23) that prevents the operator from cutting the material by mistake.