

# JaNets

*Juki advanced Network system*

Equipment operation management system

JaNets JT Simple

Getting started

The productivity of your factory can always get better!



Contact JUKI to learn more about JaNets!

Website

[https://www.juki.co.jp/industrial\\_e/products\\_e/others\\_e/software\\_e/detail.php?cd=JaNetsJTSimple\\_E](https://www.juki.co.jp/industrial_e/products_e/others_e/software_e/detail.php?cd=JaNetsJTSimple_E)



Catalog PDF

[https://www.juki.co.jp/industrial\\_e/admin/pdata/filedata/351/janetsjtsimple.pdf](https://www.juki.co.jp/industrial_e/admin/pdata/filedata/351/janetsjtsimple.pdf)



**JUKI** Sewing Machine Inspection Support System

守破離  
**JUKI-ShuHaRi**

Make your daily maintenance job a breeze with your smartphone



Registered Organization:  
JUKI CORPORATION Head Office  
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

**JUKI**  
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\* Specifications and appearance are subject to change without prior notice for improvement.  
\* Read the instruction manual before putting the machine into service to ensure safety.  
\* This catalogue prints with environment-friendly soyink on recycle paper.  
\* Paper from responsible sources FSC™ C001712

# The first step to increasing productivity is to know the status of your sewing factory now.

## Factors that reduce factory productivity

**1 Wasteful work\*1!**  
Wasted transport distance    Wasted time waiting for work

**2 Poor line balance\*2!**  
Wasted time and effort looking for a fabric

**3 Operator's skill unknown!**

**4 Finding machine failures takes time!**

**5 Production targets missed!** (Targets)

**6 Manual data collection takes time!**

\*1 Idle waiting time and irregular tasks (e.g., thread changing) that divert the operator from sewing, preparing, and handling materials.  
\*2 Operators working at different speeds. When your factory line is in good balance, your operators work at a uniform speed. When the balance is poor, a delay by one operator slows the next processes down the line.

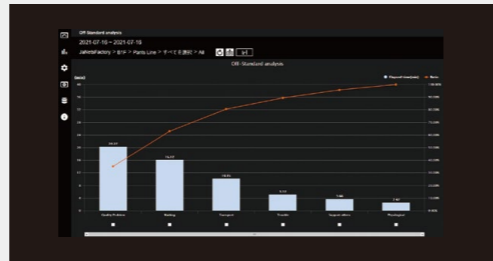
With **JaNets** you can instantly find the parts of your factory you need to improve!

### Operation rates are clear to see!



With JaNets, you can track operation metrics that you could only grasp with your senses before.

### See sewing machine troubles instantly!



With JaNets, you can check which equipment has failed or caused irregular tasks, how often the failures and tasks have taken place, and for how long.

Seeing your line status in real time

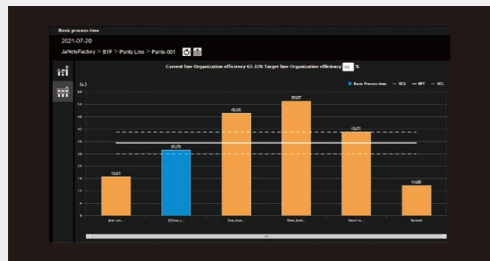
Improvement

# Increased productivity!

### Other advantages JaNets provides

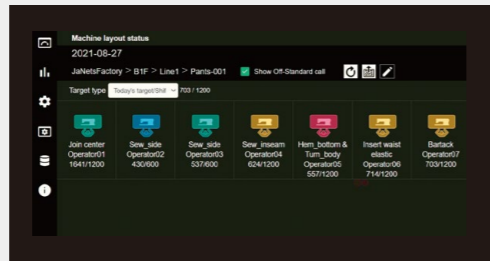
- Reduced waste
- Factory operators with enhanced awareness
- Enhanced responsiveness to labor shortages

### See processing times instantly!



With JaNets, you can check how much time an operator spends working on a garment.

### See the progress of your line in real time!



With JaNets, you can check your production progress without spending man-hours.

### See your output quantities!

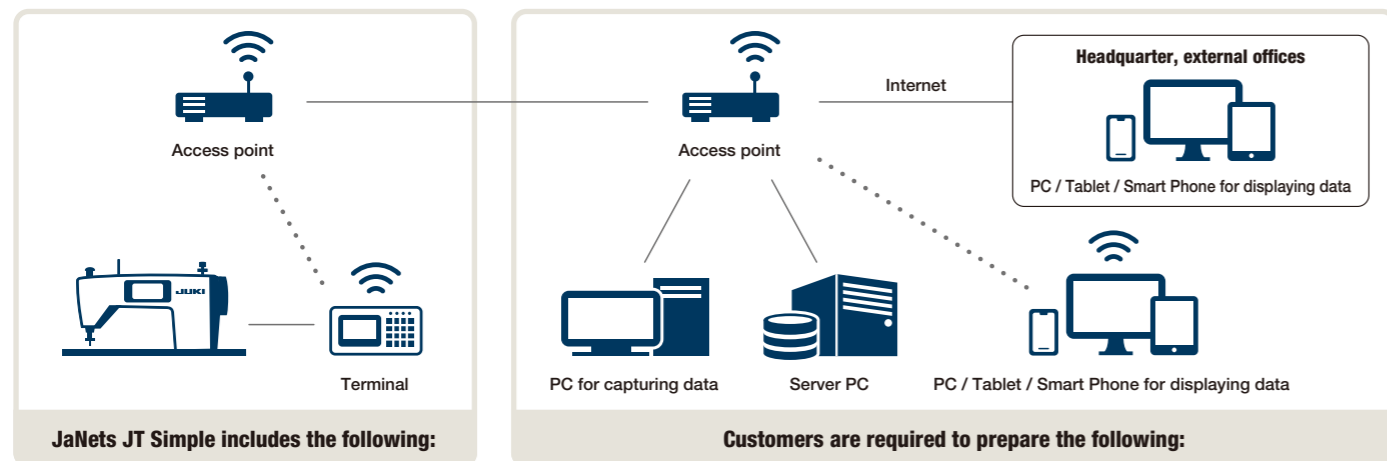


With JaNets, you can check the target/actual output quantity of each piece of equipment.

Increase the productivity of your factory further!  
Why not get started with **JUKI**?

Basic edition

**Configuration of JaNets JT Simple**



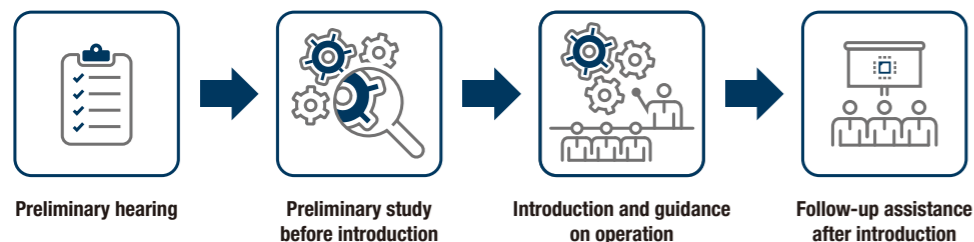
# JaNets

*Juki advanced Network system*

**Machine operation management system**

## JaNets JT Simple

**JaNets JT Simple introduction process**



Please use this free app for smartphones also



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Visualized and Connected, JUKI's IoT

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Ongoing work on the factory floor is visible, IoT leads to a bright future

# JaNets

Juki advanced Network system

JaNets JT Simple



## Visualization with the JaNets!

Accurate and real-time information on all of the sewing machines\* in use becomes visible from remote places. \* Including the sewing machines made by JUKI and other manufacturers

<p><b>Operation rate</b></p> <ul style="list-style-type: none"> <li>By sewing machine (operator)</li> <li>By line</li> <li>In chronological order</li> </ul>	<p><b>Progress</b></p> <ul style="list-style-type: none"> <li>By sewing machine (operator)</li> <li>By line</li> <li>Goal attainment level</li> </ul>	<p><b>Troubles</b></p> <ul style="list-style-type: none"> <li>By sewing machine (operator)</li> <li>Off-standard (allowance) analysis</li> </ul> <p>In the case of a trouble, an alert or email is sent to the operator</p>
<p><b>Quantity of output</b></p> <ul style="list-style-type: none"> <li>By sewing machine (operator)</li> <li>By line</li> <li>In chronological order</li> </ul>	<p><b>Processing time</b></p> <ul style="list-style-type: none"> <li>By sewing machine (operator)</li> </ul>	

## Connection with the JaNets!

The use of the JaNets leads to various improvements that contribute to increased productivity of each operator.

<p><b>Increase in productivity!</b></p> <p>Improvement of the line balance</p>	<p><b>Elimination of a labor shortage!</b></p> <p>Reports in handwriting: 3 to 4 hours</p> <p>Automatic totalization: 5 to 10 minutes</p> <p>Reduction in the line-administrator's work</p>	<p><b>Waste reduction!</b></p> <p>Operation rate <b>Low</b></p> <p>Off-standard items (allowance) <b>Many</b></p> <p>Improvement of non-operation rate of sewing machines (waste)</p>	<p><b>A reform in the mindset of the factory!</b></p> <p>The operator is also able to grasp the progress of his/her work in real time</p>
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After-sale service such as diagnosis and improvement is provided by the experienced JUKI PE staff with an established reputation of improvement in many countries in the world.

## Example of the introduction of the JaNets JT Simple

JUKI is providing factory improvement support measures in approximately 185 countries in the world.

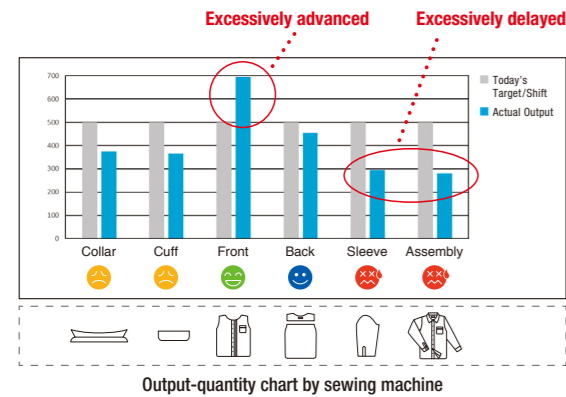
### To equalize the quantity of output!

Sewing item: **Shirts** / Size of the factory: **2,000 workers** / Country: **India**

**30% increase in productivity**

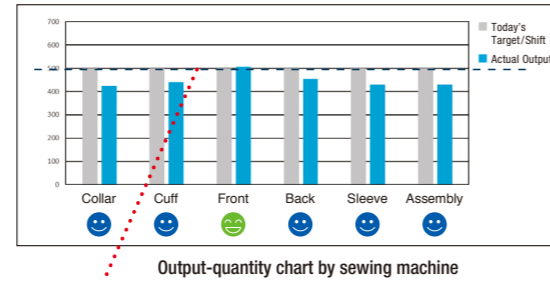
#### Problems

It is difficult to grasp the production status of each parts-sewing section. It is not possible to grasp what to improve.



#### After improvement

With the output-quantity chart, the customer is able to confirm the output quantity by parts-manufacturing section and to carry out corrective measures to the excessively-advanced/-delayed processes. As a result, the output-quantities of shirt-parts can be equalized.



To equalize the output-quantities of parts so as to efficiently supply the finished parts to assembly processes

### To improve information collection efficiency!

Sewing item: **Knit-type products** / Size of the factory: **2,000 workers** / Country: **Viet Nam**

**50% reduction in the production management man-hour**

#### Problems

Large number of workers and man-hours are required for the research and data collection to determine the production status of a line.



Hand writing  
3 to 4 hours



Collected data is  
output to an Excel file  
5 to 10 minutes

The quantity of output has been manually confirmed by a line foreman who actually checks each process. In addition, the results have been added by hand.

The quantities of output can be checked on the report screen collectively, thereby eliminating data collection work!

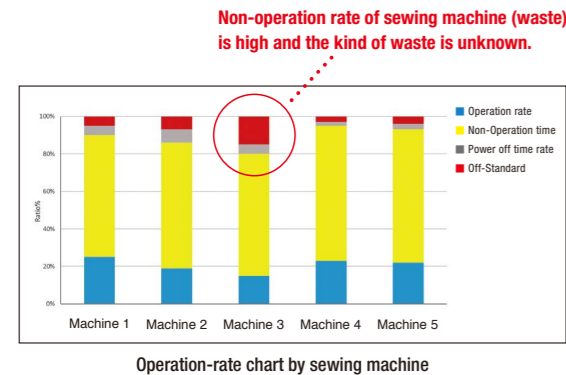
### To put down the cause of waste!

Sewing item: **Knit-type products** / Size of the factory: **1,000 workers** / Country: **Bangladesh**

**20% reduction in waste**

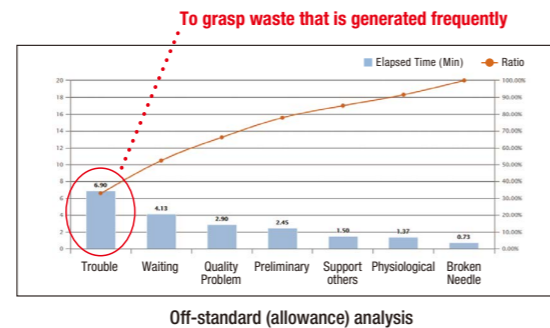
#### Problems

The customer cannot understand what kind of waste occurs in lines of the factory. As a result, practical improvement measures cannot be found.



#### After improvement

With the operation-rate chart, the customer is able to find the equipment/-facility that is the cause of waste. In addition, the irregular-work occurrence chart allows the customer to grasp details of the waste (number and rate of occurrences of waste) to determine the equipment/-facility that needs improvement.



### To speed up the improvement cycle!

Sewing item: **Pants** / Size of the factory: **2,000 workers** / Country: **Viet Nam**

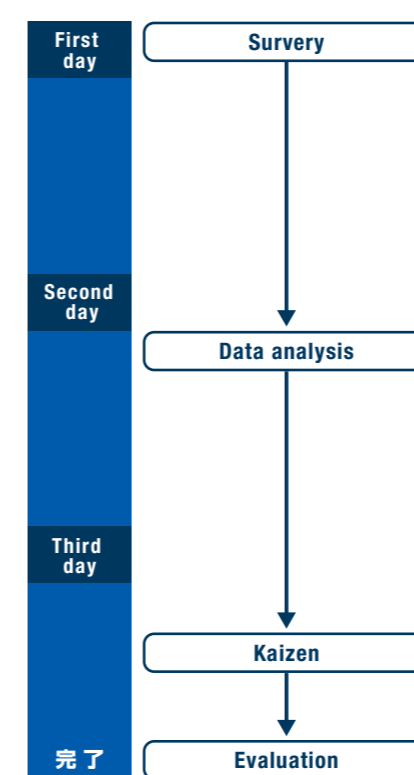
**Improvement speed tripled (3days → 1day)**

#### Problems

Since the pace of improvement of problem points is slow, the improvement cannot take effect before the production item is changed.

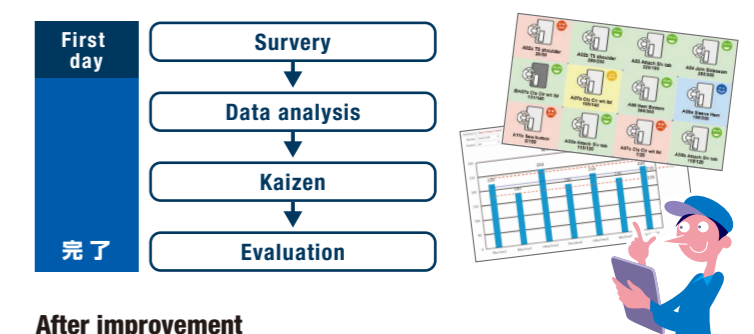
Previously

Approximately **three days** are required to carry out improvement



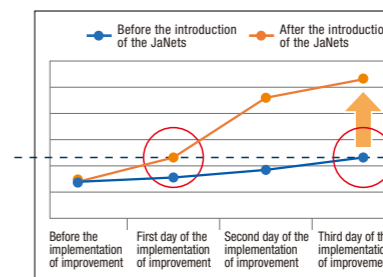
After the introduction of the JaNets

Improvement can be completed approximately within **one day!**



#### After improvement

Since the line status can be checked and points to be improved can be found on the report screen of the JaNets, it is possible to start improvement activities from the first day the JaNets is installed. As a result, the period of time required to confirm the effect of the improvement is reduced.



The effect of introduction of the JaNets can be confirmed from the first day of introduction. After the introduction of the JaNets, the production quantity of a certain production item on the first day of starting the production of that item reaches has been achieved on the third day of the production.

As a result, in the productivity comparison after 3 days,  
**25% increase in productivity**

### To motivate operators!

Sewing item: **Uniform** / Size of the factory: **600 workers** / Country: **Pakistan**

**20% increase in the target achievement rate**

#### Problems

Since the operator cannot grasp his/her progress status, he/she is likely to feel unmotivated.

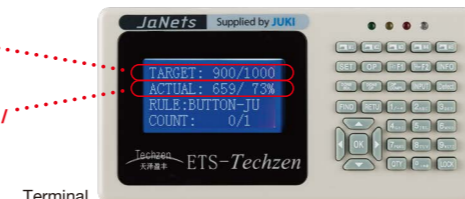


#### After improvement

The terminal installed on each sewing machine displays the actual performance record and the target number of pieces in real time to allow the operator to confirm his/her production status, thereby helping improve the operator's motivation.

Current-time target quantities /  
Daily target quantities

Current-time actual quantity of output /  
Achievement rate

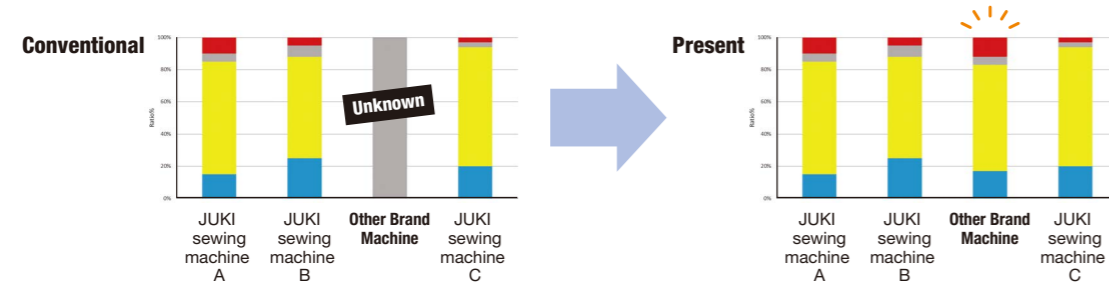
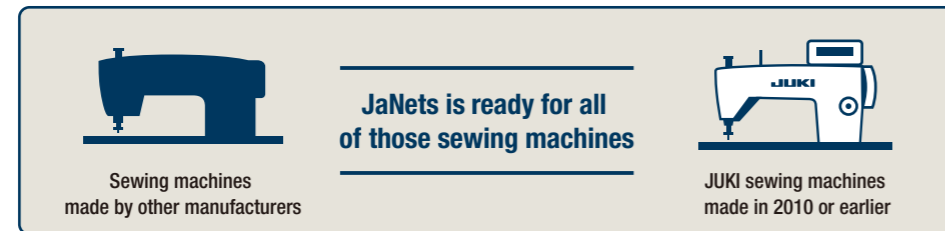


## Recommended functions of the JaNets JT Simple

### Information on the sewing machines of other manufacturers can also be acquired!

The JaNets enables collective management of all of the sewing machines in the factory.

By attaching the sensor, data can be acquired from sewing machines made by other companies and old JUKI sewing machines before 2010.



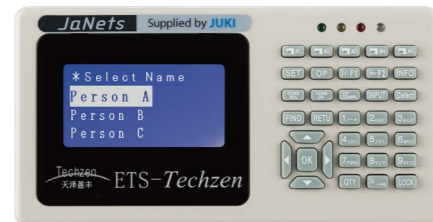
### Information on troubles can be shared quickly

Operators are able to send information to administrators

The operator is allowed to provide information on troubles to administrators by e-mail using the terminal. Destination address of the e-mail can be selected from several ones such as a maintenance supervisor.

- The sewing machine model which has caused a trouble
- Description of the trouble
- Time of occurrence of the trouble, etc.

Confirmation can be made and instruction can be given from a remote location



### Option

#### Data linkage The JaNets can be connected to the customer's basic system

It is possible to use the data earned by JaNets in customer's own system (ERP).



Security is provided after the introduction of the JaNets!

## JUKI's unique after-sale service to provide continued support for improvement

### JUKI support the JaNets system and train your factory personnel in charge

#### Remote training program

JUKI has the remote training programs on production management, maintenance, diagnosis, etc. for customers' personnel. Please contact JUKI for details.

- How to reduce the quantity in progress?
- What is the best quantity in progress?
- How to reduce wastes in the factory?

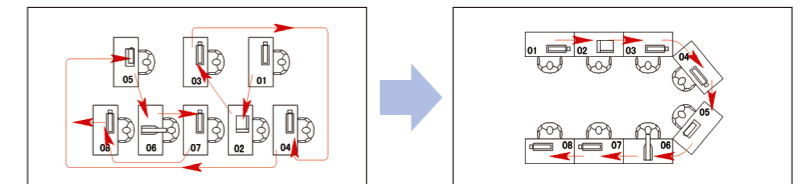
Personnel training through a web-based seminar!



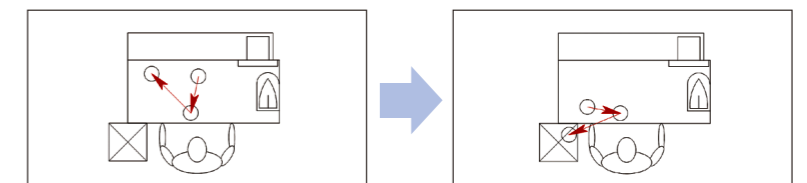
#### Site remediation support by a PE staff

Our PE staff firstly checks the production line in the customer's factory to find where the waste is. Then, the staff supports improvement activities of the customer.

##### Example1: Layout improvement



##### Example2: Improvement on placement of reserved goods (materials, etc.)



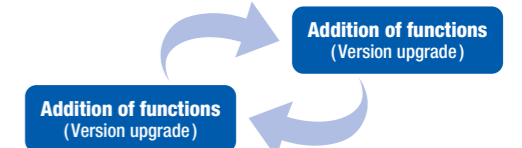
#### Remote follow-up service

JUKI provides follow-up service in the case of a trouble to remotely check the customer's system.



#### Provision of the latest software that responds to the customer's needs

The JaNets is an evolving machine operation management system. Newly developed functions are periodically added to give new added value to the JaNets installed in the customer's factory.



### JaNets JT Simple utilization cycle

