System Structure/

Sensor Devices

Brother's NEXIO series*
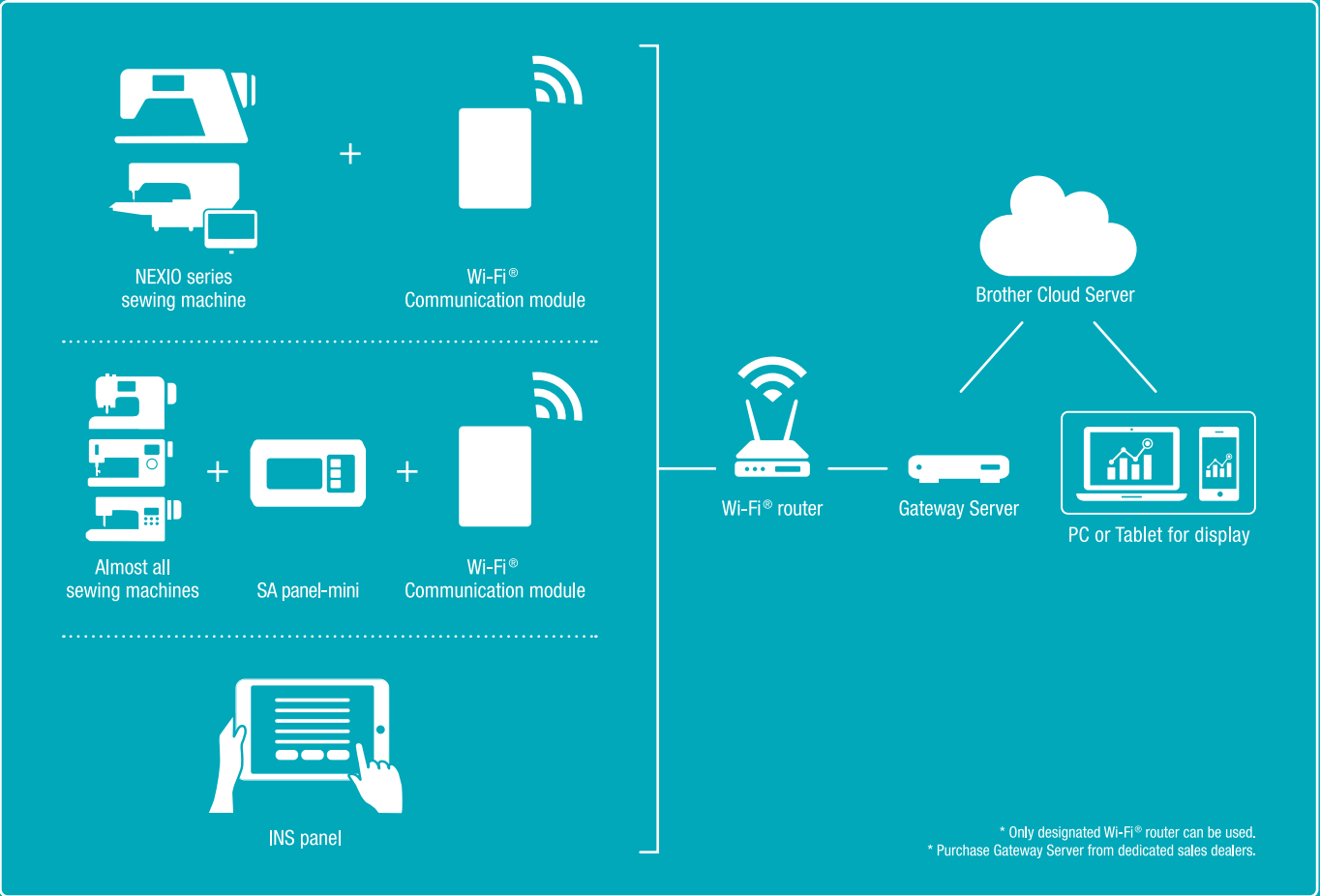SA panel-mini
INS panel

* There are different brand name depending on the market.

Necessary Devices

Communication module / Gateway Server / Wi-Fi® router / PC or Tablet for display

For details, contact the company or retailer that sells the product.

System map/

NEXIO series
sewing machine

Wi-Fi®
Communication module

Brother Cloud Server

Almost all
sewing machines

SA panel-mini

Wi-Fi®
Communication module

Wi-Fi® router

Gateway Server

PC or Tablet for display

INS panel

* Only designated Wi-Fi® router can be used.
* Purchase Gateway Server from dedicated sales dealers.

View website / Watch video / Apply for online demo / Inquiry etc.

Brother
Earth

Working with you for a better environment
www.brotherearth.com

NEXIO SYSTEM

Brother Industrial Sewing Machine Network System

- Real-time production management
- Eliminate your current manual data collection and reporting work
- Easy to start with minimum investment

Get Less Work and More Profit

NEXIO

CHINA	BROTHER MACHINERY SHANGHAI LTD.	https://www.brother.cn/	+86-21-3135-3355
ASIA	BROTHER MACHINERY (ASIA) LTD.	https://ism.global.brother/en-ap/	+852-2777-0010
EUROPE AFRICA, MIDDLE EAST	BROTHER INTERNATIONALE INDUSTRIEMASCHINEN GmbH	https://ism.global.brother/en-emea/	+49-2822-6090
AMERICAS	BROTHER INTERNATIONAL CORPORATION	https://www.brother-usa.com/	+1-908-704-1700

Get Less Work and More Profit

NEXIO SYSTEM connects with all brand's sewing machine
and collects information automatically from them
and it is accessible from anywhere, anytime in real-time.
Replace your manual data collection and report creation
by digitalizing the work process.
It will help you to improve your work efficiency
and factory productivity.

NEXIO SYSTEM

Low Cost
It can start running in your factory with minimum initial investment.

Easy to Start
Setup will be completed in a half-day by just insert a module into your machines to obtain data. Plug & Play!

Flexible & Versatile
Applicable to all factory environments, regardless of scale and type. Almost every machine is acceptable. And it can easily be expanded from as little as 1 machine in one line to multiple lines, and then factories.

No Training Required
The UI is first-rate and it is very easy to operate, no need for extra training.
Even a person in technical department can work same as IE with NEXIO SYSTEM.

What exactly can NEXIO SYSTEM help you with?

Eliminate the manual work in production lines and never worry about missing your delivery dates!
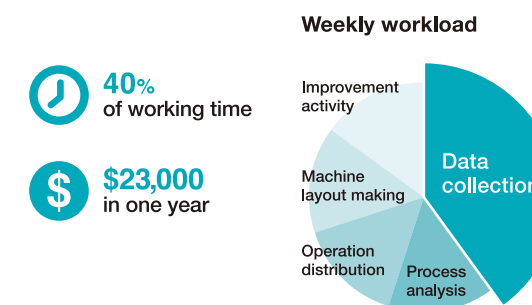
How NEXIO SYSTEM increases productivity

Problem
It takes much time and cost for data collection in a garment factory. Generally, 40% of working time and US$23,000 are required in one year.
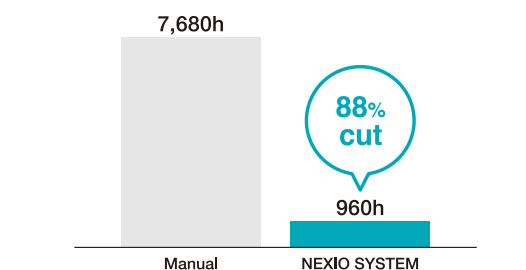
Application
Data can be obtained automatically and accurately by one-click with NEXIO SYSTEM. The time for data collection will be eliminated by 90% and people can focus on works for analysis and improvement. It promotes productivity increase.

40% of working time

$23,000 in one year

Weekly workload

Improvement activity

Machine layout making

Operation distribution

Process analysis

Data collection

*All figures are based on Brother's survey to 66 factories with IE department.

Time for data collection in 1 year

7,680h

88% cut

960h

Manual   NEXIO SYSTEM

（80 styles/months, 2 time data collection/style, 4 hours/data collection.）

Utilize REAL-TIME data on multiple purposes
Data will be utilized according to the usage and completely change the factory management.

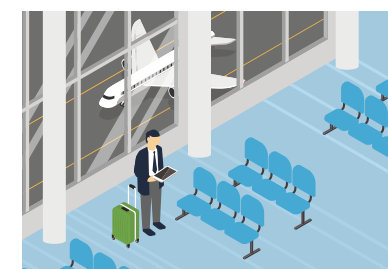| Basic Plan	Pro Plan
Data can be viewed in a default format in real-time.	In addition to the functions of Basic Plan, data can be export in any format, reducing the current manual report work.

Reduces the lead time and realizes real-time data collection. No need for manual production management on a whiteboard by displaying the progress with a large display.
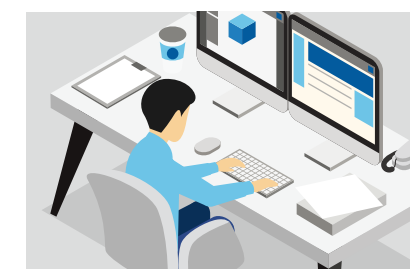
Digitalizes complicated work such as data collection, transcription and reporting, and reduces workload.

Even from outside your factory, access to your production or line data in real-time, anytime, anywhere.

Eliminates human error and creates more accurate reports.

Connect with all brand's sewing machines

Almost all sewing machines even other brand's machines and old discontinued models can be connected with NEXIO SYSTEM.

Customize data and Digitalize work process

In addition to the basic graph presets, data customize function is available. It helps digitalize complex work in a simple method so that anyone can easily complete their tasks in a short time.

NEXIO SERIES*

Brother's sewing machine "NEXIO series" can connect with the system directly through communication module.

NEXIO series sewing machine + Wi-Fi ® Communication module

*There are different brand name depending on the market.

Other Models

For other sewing machines, just equipping SA panel-mini, it realizes to obtain the machine's data from almost all sewing machines even other brand's machines and old discontinued models.
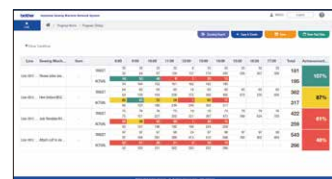
Almost all sewing machines + SA panel-mini + Wi-Fi ® Communication module

0777

*The connection method and obtained data differs depending on the sewing machine.

Grasp factory's real-time situation quickly

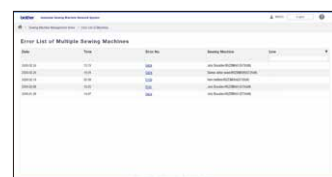Simple and understandable graphs help you view and analyze data easily.

Production Progress
· Easy to understand the deviation from target in real-time.
· Display the table to the line and make workers be conscious of the achievement ratio.

Cycle Time
· Learn worker skills and capacity, educating them or arranging line balance appropriately.

Line Balance
· Calculate the performance of workers and production lines.
· Find out the bottleneck and help balance the line.

Operating Ratio
· Find inefficient machine.
· Drill down to detail like machine operating time, handling time, maintenance time, error time, and others as appropriate.

Error History
· Reduce machine errors as preventive maintenance by finding frequent errors and solving the fundamental problem.

More presets are available.

Eliminate manual works with Pro Plan

NEXIO SYSTEM helps improve daily operation of your factory and it will support to gain competitiveness in the long run.

Sample 1
Time-Study
Digitalizes complicated and time-consuming Time-study. Cycle time is automatically collected and calculated, making it easy to complete.

Sample 2
Quality Management
Digitalizes the process from counting to data output at Quality Control section. Posting to reports are no longer required, promoting work efficiency.

Sample 3
Daily Report
Digitalizes a lot of daily reports created manually for each PO. Daily workload is much cut down.

Higher-level quality management

"INS panel App" which is an application for Android provided by Brother enables to record not only the quantity of good and defect products but also the cause of the defect.

brother

Notification by your familiar apps

The system can be customized to receive notification from third party's apps.

INS panel App

default
Reset Setting
0058 0007
A B
Good Defect

Count defect products
Quality management at QC section can be digitalized with an Android tablet downloaded the App.

Select the cause of defect
C 0002 Collar   D 0001 Body   E 0001 Sleeve
F 0001 Facing   G 0001 Pocket   H 0001 Others

Record cause of defects
You can also record the cause of defects and analyze the data for each product.

Gmail   LINE

Message apps.
WhatsApp / WeChat / Zalo

Group work apps.
Slack

Customer Reviews

What our customers have to say about NEXIO SYSTEM.
There are a lot of people who are enjoying the system
and getting benefits all over the world!

Leading garment factory in Vietnam

I never knew why I've not been able to achieve my
productivity targets despite my employees working
overtime everyday! But with NEXIO SYSTEM, I could
instantly see the true productivity of my employees.
It helped me ensure that my workers are productive 100%
of the time!

India garment factory with over 5 decades of history

Even though I have so many operators, I face so many
problems everyday,
from unbalanced lines, over production, defective
products etc.
Brother IoT helped me solve all these problems easily
and I do not even need as many operators as before!

Large reputable Japanese garment manufacturer

I have huge pressure from clients to reduce costs, but I had no
idea how to do so. NEXIO SYSTEM helped our factories
increase profits, and reduce costs!
Amazing, and we are installing it in Indonesia and Vietnam too!

Q & A

We have shared some of our most frequently asked questions
to help you out. Please feel free to contact us
if you cannot find the answer you are looking for.

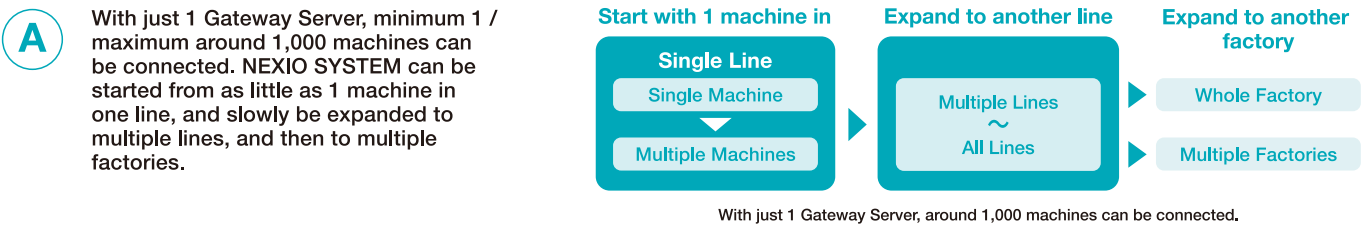**Q** How would I know if my system is secure?

A Brother NEXIO system is secure because of 3 main reasons:

1. Secure reliable cloud server
· Data center and network architecture
built for highly security-sensitive
organizations.
· Allows customers to scale and
innovate, while maintaining a secure
environment.

2. HTTPS data encryption
· All data communications are
encrypted and kept confidential.
· (Secure Sockets Layer) SSL prevents
decryption of data by external means.

3. Independent data structure
· A data structure is a specialized format
for organizing and storing data.
· NEXIO SYSTEM uses many
independent and highly secure data
structures.
· This greatly increases the security of
stored data and also reduces the
likelihood of operational errors.

Q What is the minimum/maximum number of machines that can be connected?

A With just 1 Gateway Server, minimum 1 /
maximum around 1,000 machines can
be connected. NEXIO SYSTEM can be
started from as little as 1 machine in
one line, and slowly be expanded to
multiple lines, and then to multiple
factories.

Start with 1 machine in	Expand to another line	Expand to another factory
Single Line		
Single Machine	Multiple Lines ~ All Lines	Whole Factory
Multiple Machines		Multiple Factories

With just 1 Gateway Server, around 1,000 machines can be connected.

Q How is NEXIO SYSTEM different from existing production management system?

A Existing production management systems
only manage final output data. Also, other
RFID systems require extra operator
interaction and could end up with dropping
productivity performance and even
increase the human errors. However, NEXIO
SYSTEM supports factories by analyzing
and evaluating processes with automatic
data collection, thus improving the
operating systems and overall
competitiveness in the long run.

	NEXIO SYSTEM	Existing production management system
Cost	Low investment starting from 1 machine	High investment
Analysis & Evaluation	Shows real time based data output and identify the problem	Shows result based data output only
Productivity Improvement	Reduces manual work and improves operating capabilities to prevent similar problems from occurring	Improvement in line balancing – a short term solution which does not target core issue

Q Can we cooperate between our existing production management system and NEXIO SYSTEM?

A Yes, NEXIO SISTEM can cooperate with other production management system such as ERP and MES by data export function.
Although NEXIO SYSTEM is specialized in sewing process, productivity will improve more efficiently with the management
system for a whole factory.

Q We would like to customize the data according to our factory's format such as daily report.

A Brother provides API function in Pro Plan which enables to customize the data according to each factory's usage. Please feel
free to ask us, our IoT specialist will help you and propose widely.