



Convenient and Safe wearable barcode scanner · Smart Solution

FACNROLL

Wearable Hands-free Barcode Scanner

Standard

Coated Safety Gloves



Anytime anywhere
Regardless of time and place

Easy to use
Easy for operator to use

2 Types of Wearable Gloves

Convenience
Easy to use after wearing

Safe
Safe for the operator



Band Type

Velcro-type Band Gloves

Wearable Accessory



Waist Holder



Neck Holder



Wearable Barcode Scanner

You can freely scan in a hands-free style by attaching/detaching the barcode scanner on gloves and ring holder.



Labor-friendly Products

While maintain the existing task as is, the operator makes a task environment allowing convenient and safe operations.



AI Cloud Application

Business is innovated through data collection and analysis utilizing AI technology and diversified applications.

Human errors shall be reduced and work efficiency shall be enhanced.

Improvement of operator safety & convenience

Reduction of human errors

Shortening of scanning time & moving distance

Improved quality & reduced cost

Increased work efficiency & increased productivity

Diversified areas of utilization



Manufacturing
Smart Factory



Logistics
Smart Logistics




Distribution
Smart Retail


Smart Manufacturing
ERP · MES

- It is applied for overall production process such as quality, process, production, shipment and inventory.
- Intellectualized AI technology and S/W enable the operation to be efficient production line.
- Effective management of production process shall reduce defect rate and improve productivity.


Smart Logistics
WMS · TMS

- Entire processes such as stocking/releasing, inspection, Packing, tracking, inventory, etc. are managed in the optimum states.
- Scanning shall be carried out in a large warehouse without any spatial constraints.
- Warehouse shall be technically and systematically managed with data-based logistics system.


Smart Distribution
SCM · POS

- It is applied to distribution tasks such as ordering, procurement, sale, shipping, delivery, etc.
- Hands-free work environment shall effectively save time and resources.
- Customers' service shall be faster and more convenient with reduced working hours from the application of the high technology and system above.

Major features



FACROLL	Product	Handheld Barcode Scanner
Wearable Barcode Scanner	Type	Handheld
Hands-Free, Reel Holder	Appearance	95 x 70 x 160mm, 150~200g
45x53x18mm, 40g	Scanning	1D, 2D Barcode
1D, 2D Barcode	Features	-
Black and White Photo(es) Taking Functions	S/W	-
Smart Solution Services		

Maximized Numbers of Continuous Scanning	Shorten Scanning Time	Reduced Errors of Scanning	Decreased Scanning Time per Scan(Only for Handsfree Type)
12,000 Times	50%	30%	5 Seconds

Convenient Attachment and Detachment of Bar Code Scanner



Application of Scan Buttons on Smart Gloves



Labor-friendly Products

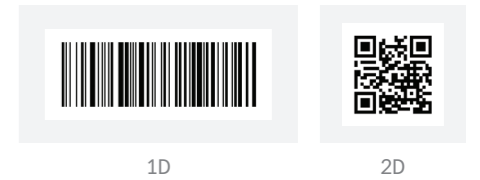
Certification and Patent of Technology on Performance



			<p>Registered Patent Holder 14Case</p> <p>Applied and Certified Patent Holder 2Case</p> <ul style="list-style-type: none"> Industrial Handsfree Barcode Scanner Intelligent Production Process Management Device <p>Program Registration 10Case</p>
<p>Certified with the Compatibility Registration on Equipment for Broadcasting Communications</p>	<p>Electromagnetic Compatibility Test Report</p>	<p>Patent Certificate</p>	

1 1D/2D Barcode Reading

1D barcode such as UPC, EAN, and etc. and 2D barcode such as QR Code, Data Matrix, PDF-417 shall be scanned and paper labels and digital bar code reading shall be read.



2 Long-lasting Battery

Scanning efficiency with the overloaded scanning is enhanced with 700 mAh battery and lithium polymer batteries makes safety and energy efficiency sound.



3 Bluetooth HID/SPP Supply

Wireless connectivity shall be provided within the boundary of 20m and pairing with a variety of devices such as smartphones, tablets, kiosks, and smartwatches shall be fast and easily connected to make good use of scanned data. (additional distances shall be added with high-performance Bluetooth modules).



Smart Watch



Tablet



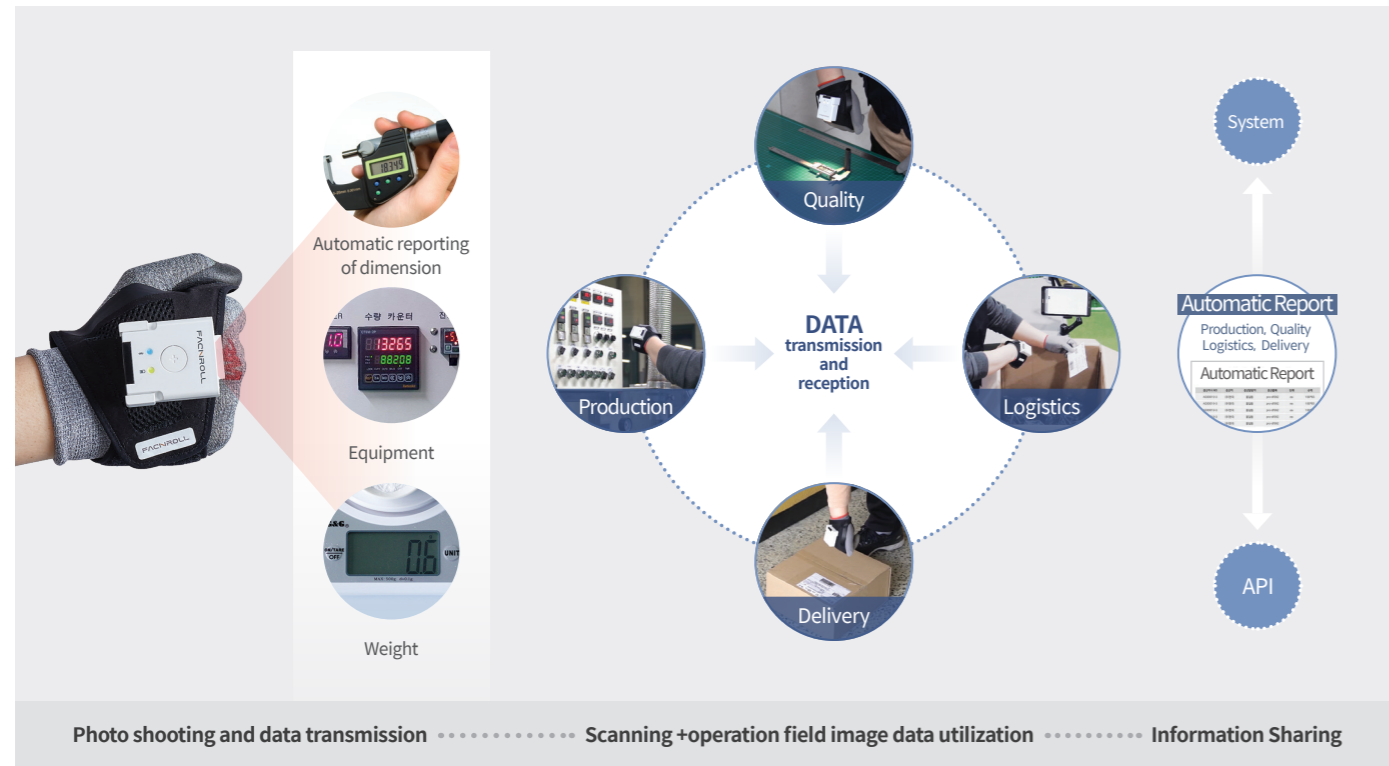
Kiosk PC

4 Three Notes for Operators

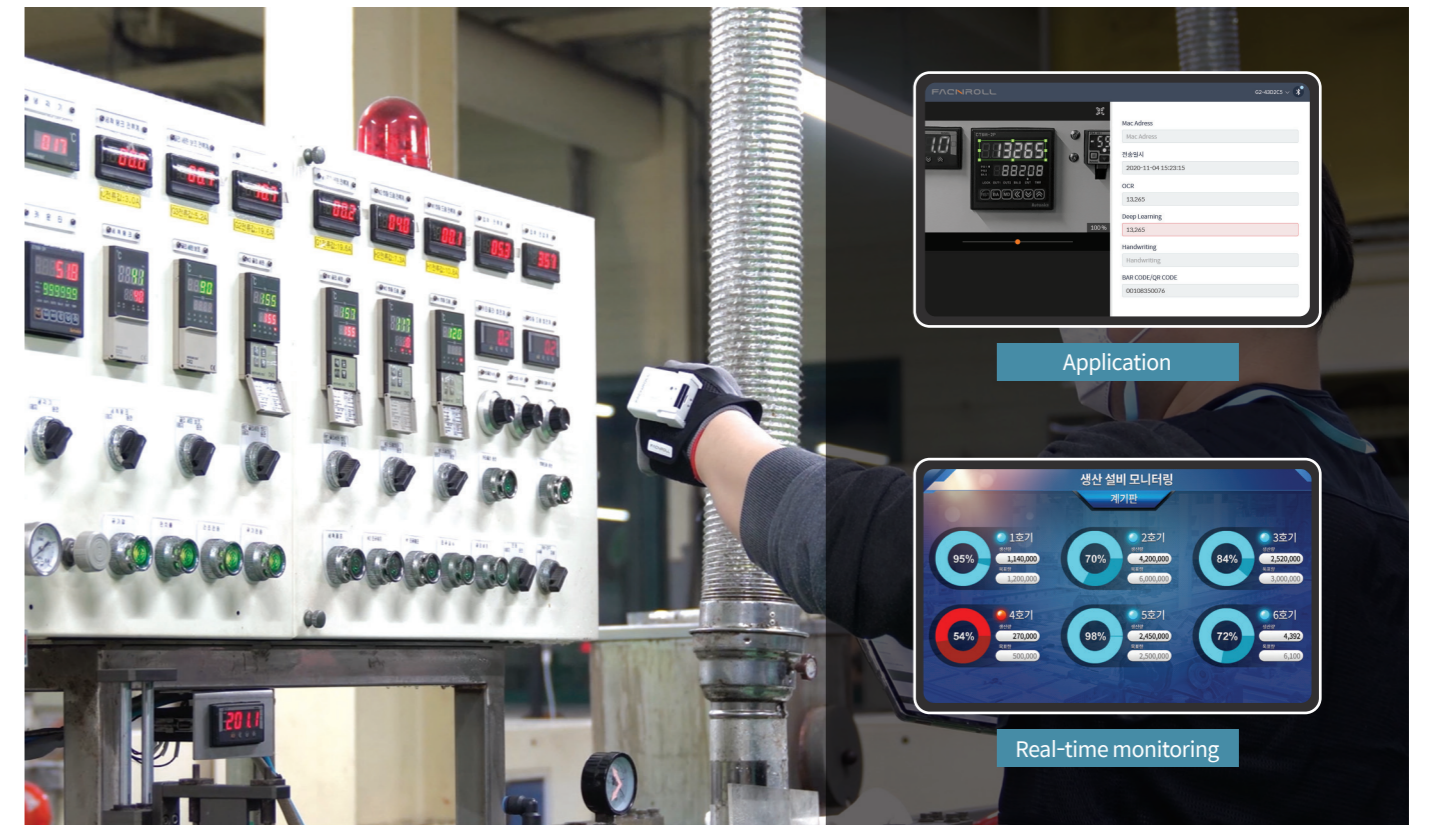
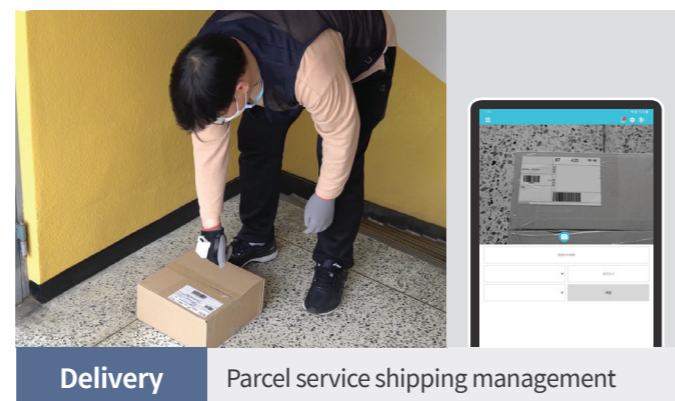
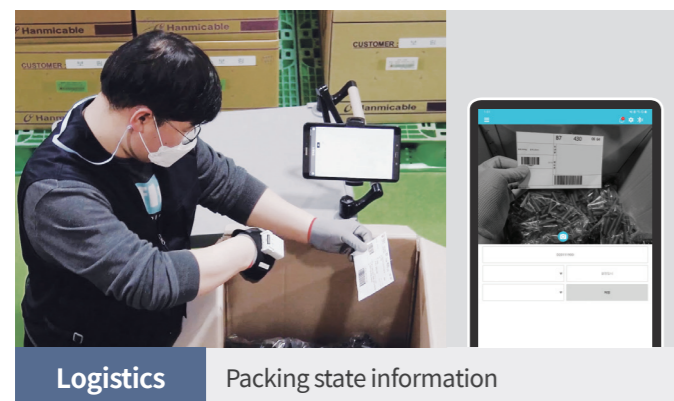
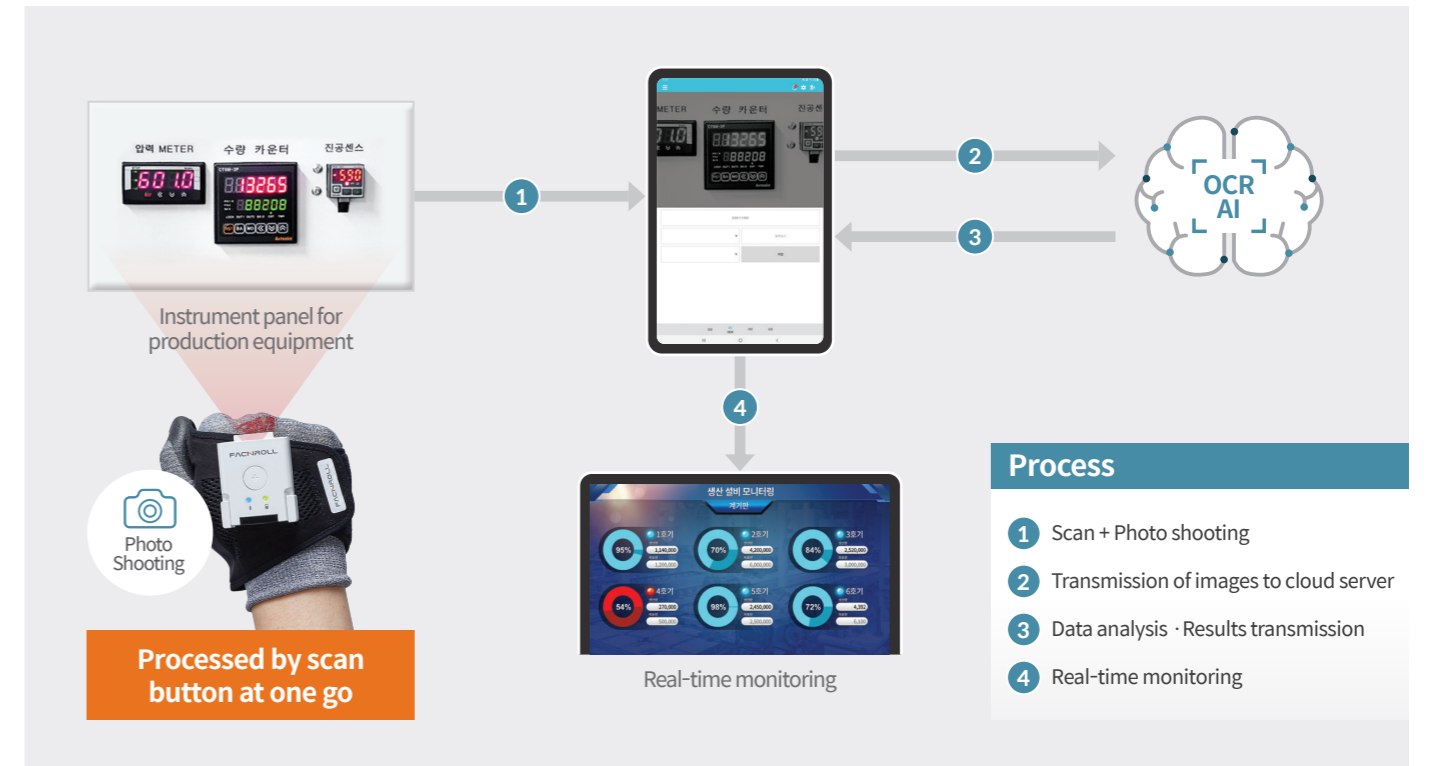
3 types of feedbacks from LED(visual), sound (audible), and vibration(touch) provided for operators in dark or noisy working environments enable immediate identification on the working status.

Bluetooth	Battery	Scan (Vibrated on Scan)
<ul style="list-style-type: none"> Lighting Success of Bluetooth Connection Blinking Fail of Bluetooth Connection Automatic Bluetooth Connection 	<ul style="list-style-type: none"> Lighting Battery 91 ~ 100% Lighting Battery 21 ~ 90% Lighting Battery 1 ~ 20% 3 Blinking 3 Warning sound battery discharge 	<ul style="list-style-type: none"> 1 Blinking 1 Warning sound Succeeded Scan 2 Blinking 2 Warning sound Failed Scan

[Scan + Photo Shooting] Data collection at operation fields



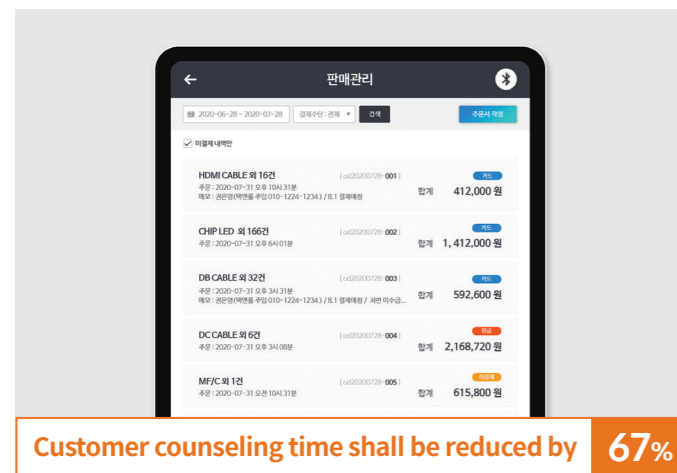
[Scan + Photo Shooting + OCR AI] Analysis of monitoring data



Smart Solution & Cases of the Application

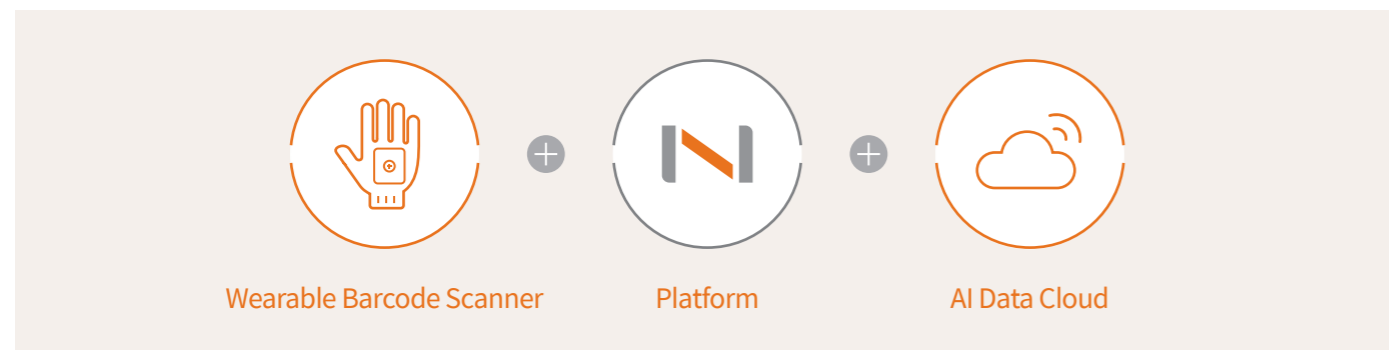


H/W G2-BASIC	S/W Shipment and Management of the Stock
Type of Industry	Manufacturing
Major Products	Heat-resisting and Shrinking Tubes (Automobile Protectors and Exterior Building Materials)
Major Features	Shipment Management, Storing and Releasing Management, Inventory Management
Introduction Effect	Enhanced Operational Efficiency from the Use of G2-BASIC, Quick and Accurate Data Aggregation and Errors Prevention

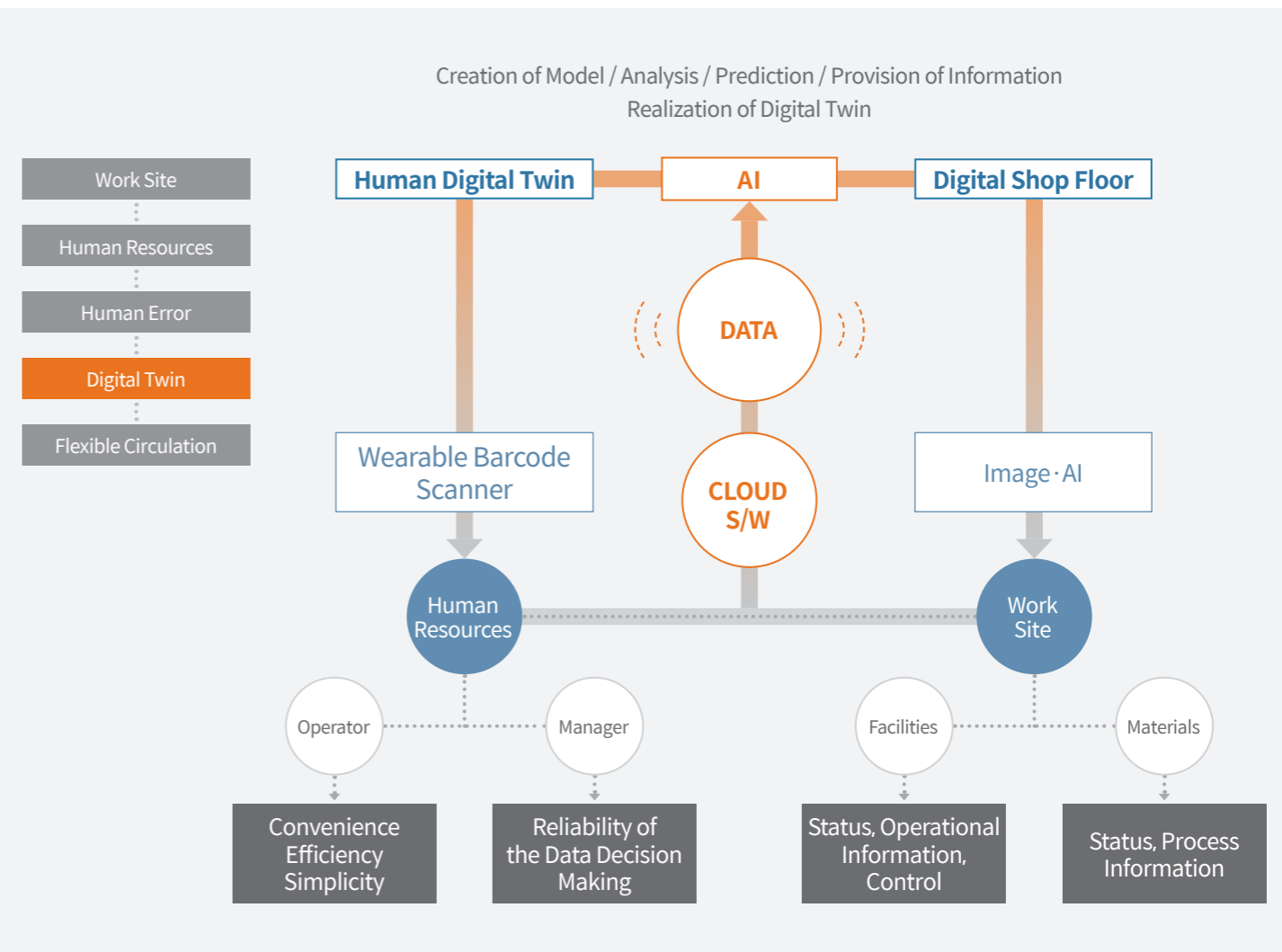


H/W G2-BASIC	S/W Logistics distribution management
Type of Industry	Industries of Wholesale and Retail
Major Products	Electronic Components (Managing about 10,000 units or more)
Major Features	Item Management, Sales Management (Statistics), Order Sheet Management, Accounts Receivable Management
Introduction Effect	Hand-written works are computerized to reduce business processing time, and order processing and customer handling time

Key technology and value of FACNROLL supports operation fields in a smart way



Human Digital Twin, Digital Work Site





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