

DX Labeler

Digital Transformation Multiple Labeler

The world's only labeling system synchronized
with the production planning



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DX Labeler

ENDLESS

A system that allows ceaseless preparation for the next model process even during operation.
[Optimized for various type of product and small product]

Hardware

DX Labeler Module + Label Dispensing Module
+ Label Printer

ON-WORK

A system that enables to replace consumables without stopping production [Increased productivity]

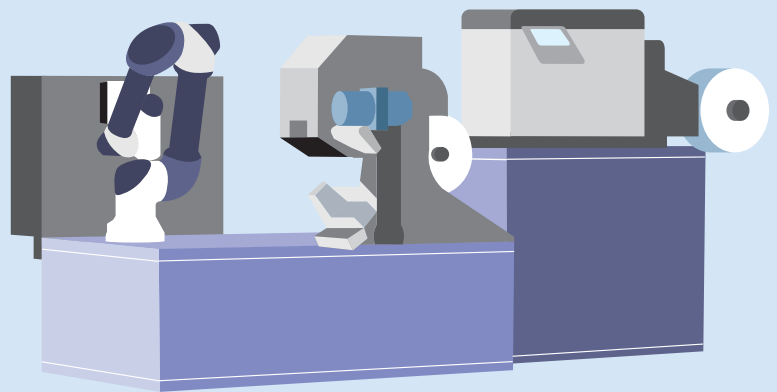
Software

DX Labeler variable solutions + SCADA operation program
+ PLC control program

A.I.A.O

A.I.A.O is an abbreviation of the Anytime Input, Anytime Output, which is a distinct system developed by IEG

- It features a buffer capable of storing up to 120 meters of roll-to-roll material, allowing for flexible or simultaneous storage and output management



Old Labeler

Using pre-printed label rolls (5,000 rolls)

- Suitable for mass production in small variety

Replace and attach labels each time depends on the product type

- Low productivity

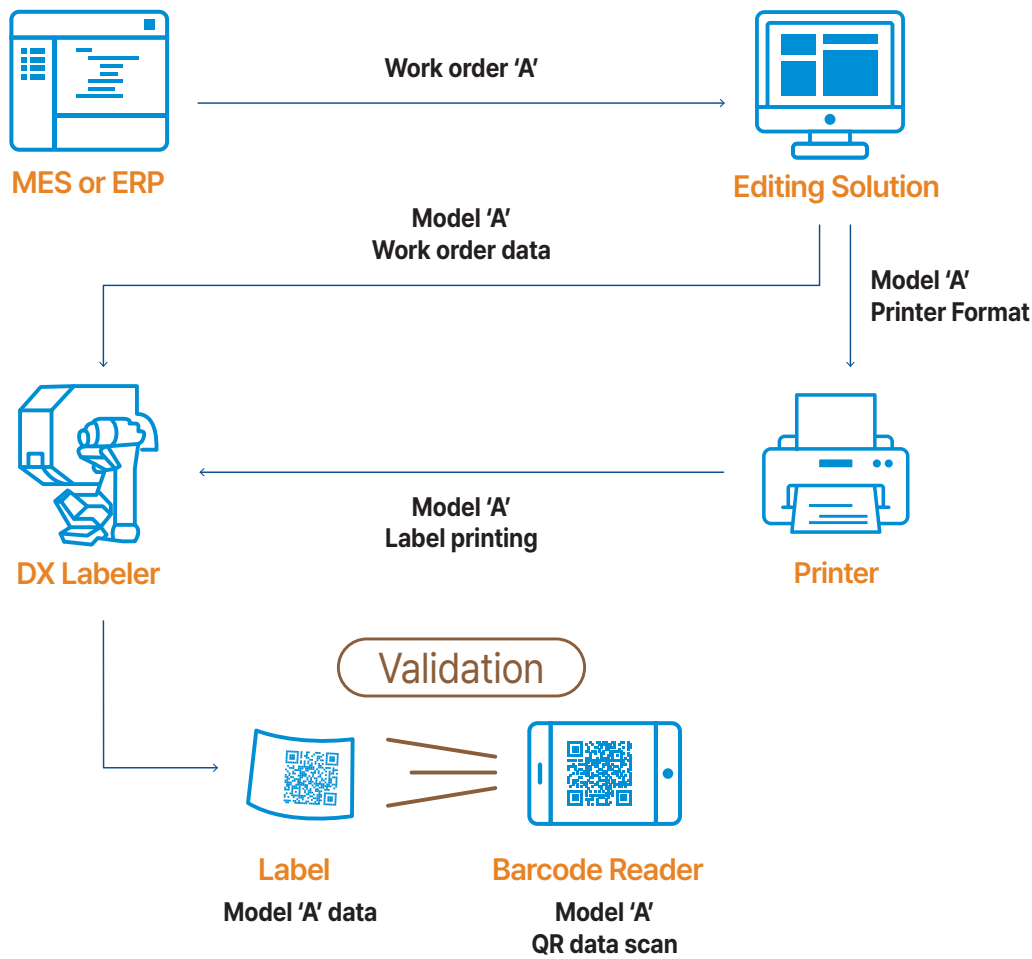
Frequent human error due to mistakes of replacing label form per product type

- Cause poor quality



About Dx Labeler System

Label Synchronization Flow



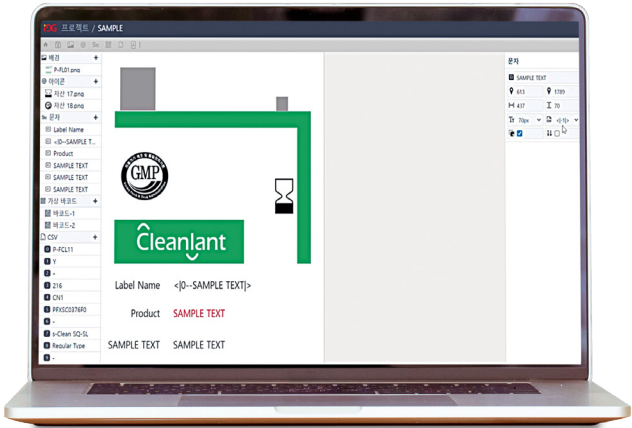
Editing Solution only for Variable Data

Editing

- Customizable label design
- ERP or MES data synchronization

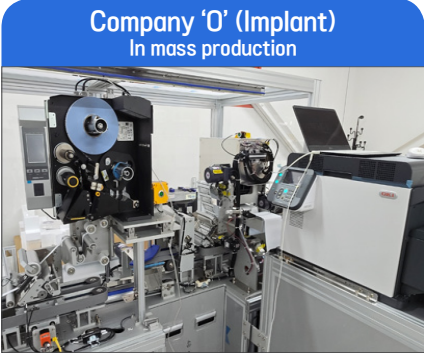
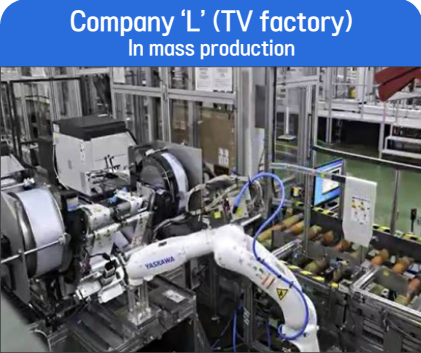
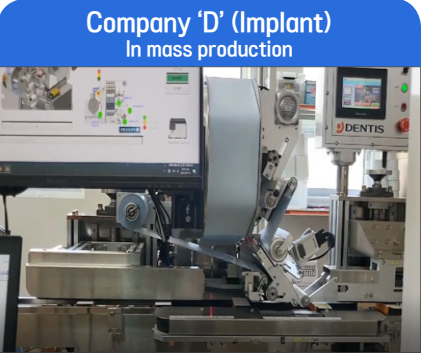
Printing

- Split printing available based on maximum load capacity



Good Labeler, Good Result

Effect of Dx Labeler Installation



Productivity Improvement

▶ 132%



Cost Reduction(Personnel expenses & Pre-printed form)

▶ Different on businesses



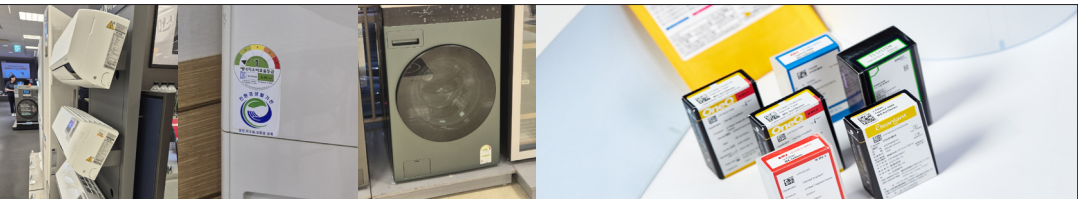
Product Error Reduction

(Human error, Poor quality)



Product Examples of Attaching Labels from DX Labeler

- ▶ All home appliance categories including TVs, washing machines, refrigerators, water purifiers, air conditioners, etc.
- ▶ Product box
- ▶ Packaging pouch



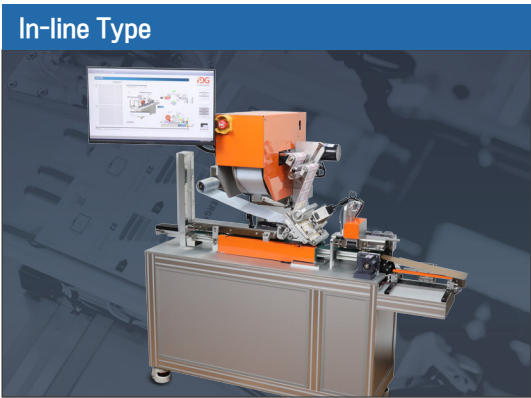
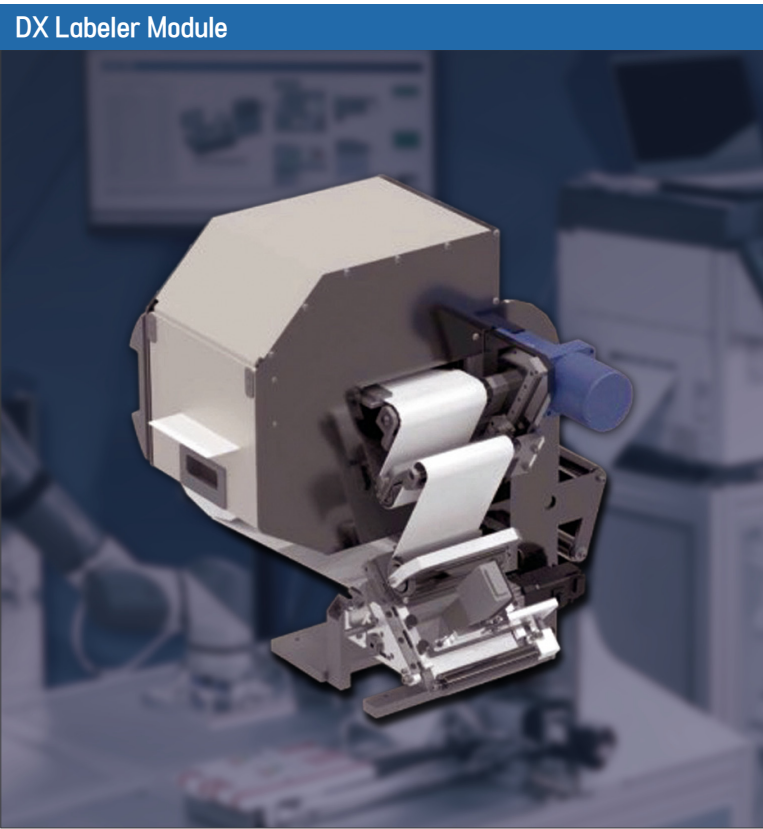
Intellectual Property Status

NO	Title of the invention	Domestic Application number	Domestic Registration number	International application number
1	Buffering unit and label attachment device using the same	-	No. 10-2702062	PCT/KR2022/007145
2	Label printing supply unit	No. 10-2024-0123383	-	-
3	Design	No. 30-2024-0033693 No. 30-2024-0033694 No. 30-2024-0033695	-	-



DX Labeler Device Composition

Various Attaching Systems



Product Specification

Category	Specifications
Supply label paper	Supply to the printer with a blank roll
Types of label paper	Synthetic paper (Polypropylene Film)
Width	25 ~ 120mm
Length	15 ~ 200mm
Maximum buffer amount	Approximately 100m based on thickness 0.076mm
Supply color label paper	FIFO track buffer(our own invention patent) First-In First-Out method applied for the first time
Label mark	Gap
Maximum label attachment speed	200mm/sec
Power supply	AC 200 ~ 240, 60Hz, 5A
Usage Environment	Temperature 10 ~ 30°, Humidity 20 ~ 70 %
Standard printer	OKI 1040(Standard model)

“Real time & Response time”

IEG Co., Ltd. is committed to stimulate real-time communication among people, information, and technology, always leading market changes one step ahead.



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