

Reel Materials Management System User Manual

Ceyon
Tellinventory

RFID/USN이 세상을 바꿉니다.



CEYON TELLINVENTORY CO.,LTD.

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I. Outline

1. Introduction on Reel Materials Management System

- **Shelf**



Reel Materials Management System's shelf allows access to materials' location by using RFID tag information identification on reels. Each reel that needs to be released are marked with green LED on the shelf, and when there is an error, the LED turns red.

I. Outline

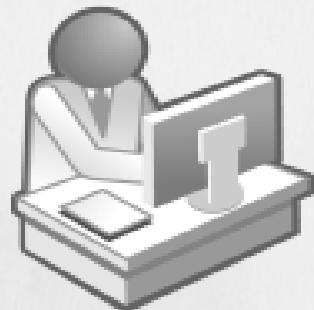
1. Introduction on Reel Materials Management System

- **Registrator**



This is a system that allows reel's warehousing management and collection management by attaching RFIC tags on reels. Warehousing is managed by having a registration device perceive the barcode information on the reel automatically and save its material information on DB, and create tag information.

- **User Program**

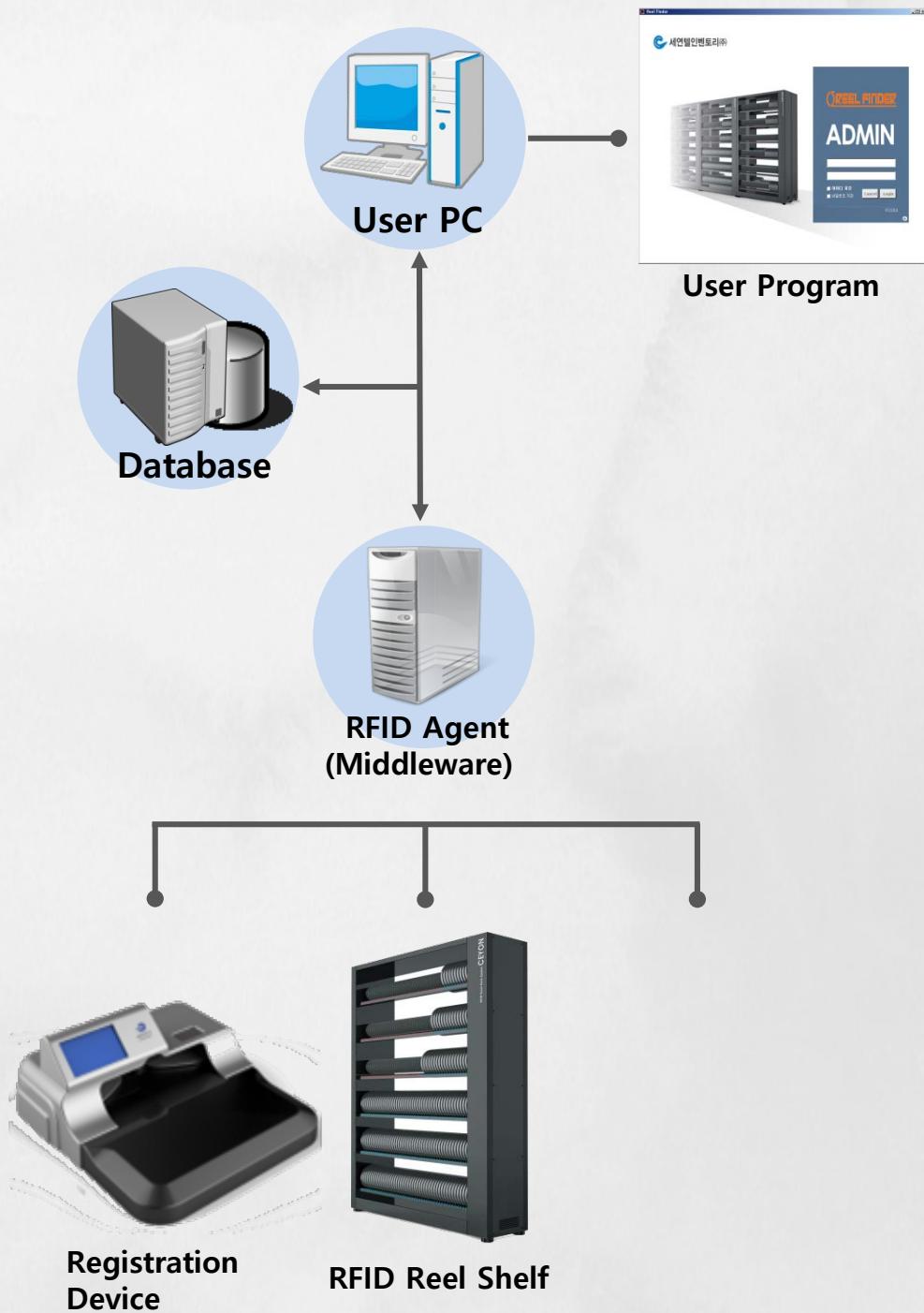


This is a program that allows operation of registered reel's information on administrator's PC conveniently.

- Warehousing status : check detailed information of reels that are put into a warehouse
- Order management : check order registration and inquiry
- Inquiry by parts : check parts status
- Release reservation : check reservation and reservation information for releasing parts and products
- Release process : check release stand-by list and release completion list
- Inventory management : manage useless materials and optimal inventory
- BOM management : BOM product registration, inquiry, AnyVendor registration
- System management : personal information setting, optimal inventory alarm, shelf setting

I. Outline

2. Diagram of Reel Materials management system



II. Installation

1. Hardware Requirement

System	Requirement
Power	AC 110V~220V Up to 2.5A
COMM	TCP/IP

2. User Program System Requirement

System	Requirement
Windows XP	Windows XP Service Pack 3, .NET Framework 4
Windows 7	.NET Framework 4
Windows 10	.NET Framework 4

➤ Hardware Requirements

-Maximum Hardware Requirements : Pentium over 1GHz, RAM over 512MB

※ Registration device and user program will be updated automatically.

II. Installation

2. User Program Software Installation



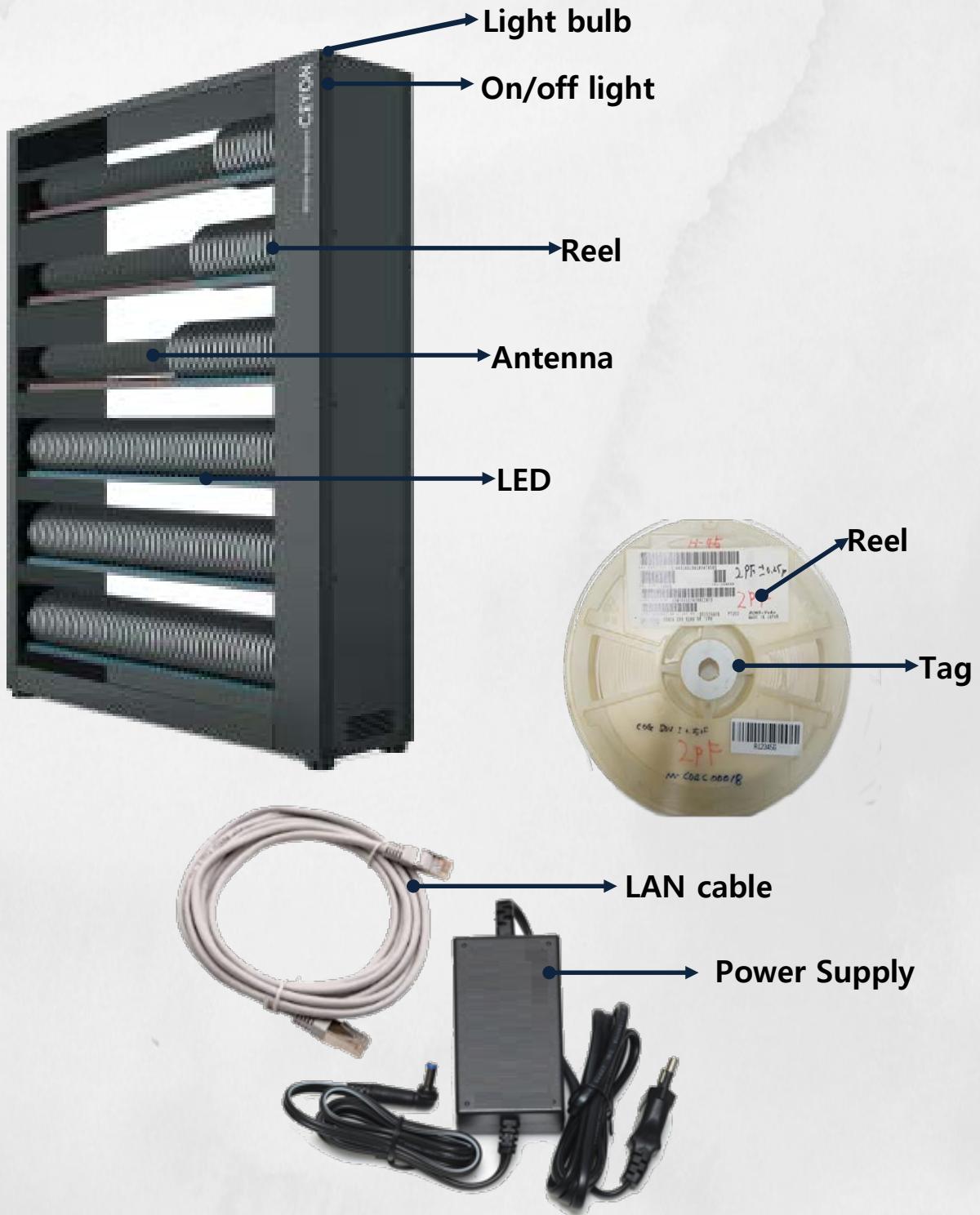
▪ How to set up User Program

- 1) Go to <http://tellinventory.co.kr/#> .
- 2) Click on Support Menu -> Operation SW Download button.
- 3) Click on RmgtSetup.Zip and download the file.
- 4) After unzipping, install RmgtSetup.msi.
- 5) There will be a short cut icon created under the name of "StartRmgt" on wallpaper.

2

I. Shelf

1. Shelf Composition



I. Shelf

2. Colors of LED

I. When green light is on

- 1) Indicate the location of the reel in search

II. When green light is blinking

- 1) Need to take reels out in sequential order (Sequential LED ON)

III. When red light is on

- 1) A wrong reel is taken out.
- 2) The reel is unregistered.
- 3) It has been restocked without remeasuring the residuals after a certain time.

3. Colors of Buzzer Lights

I. When green light is on

- 1) Indicate the location of the reel in search

II. When green light is blinking

- 1) Need to take reels out in sequential order (Sequential LED ON)

III. When red light is on

- 1) A wrong wheel is taken out.

3

I. User Program

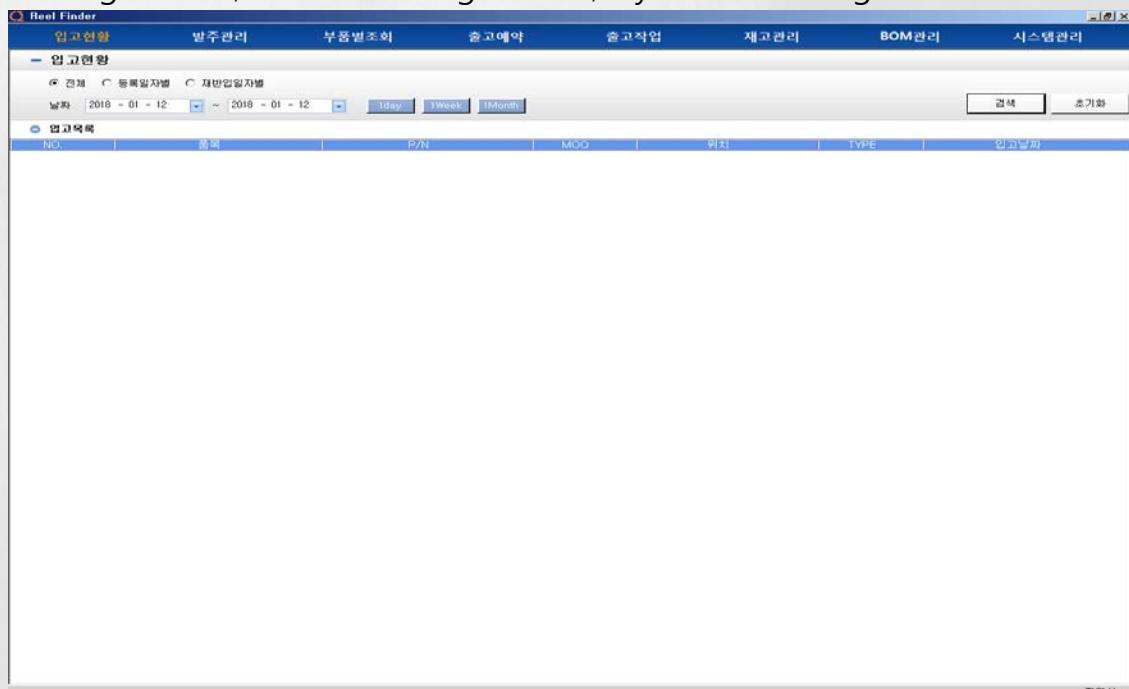
1. User Program Practice and Login

This is user program's practice screen and login screen.
After entering user ID and password, click on "Login" button.



2. Main Screen Composition

This is user program's main screen.
It consists of warehousing status, order management, inquiry by parts, release reservation, release process, inventory management, BOM management, system management.



I. User Program

3. Menu Composition

입고현황	발주관리	부품별조회	출고예약
	<ul style="list-style-type: none">• Order registration• Order inquiry		<ul style="list-style-type: none">• Parts release reservation• Product release reservation
출고작업	재고관리	BOM관리	시스템관리
<ul style="list-style-type: none">• Release stand-by• Release completion list	<ul style="list-style-type: none">• Useless materials management• Optimal material management	<ul style="list-style-type: none">• PN matching• Product registration• BOM registration• BOM inquiry• AnyVendor registration	<ul style="list-style-type: none">• Personal information• Options and setting

I. User Program

4. Warehousing Status

This is user program's warehousing status screen.
It allows searching for registered new manufacturer's P/N order materials.



The screenshot shows a search interface for warehousing status. The search bar includes a date range from 2018-01-12 to 2018-01-12, with buttons for '1Day', '1Week', and '1Month'. A red box highlights the search button labeled '검색' (Search). The table below shows a single row of data.

NO.	종목	P/N	MOQ	위치	TYPE	입고날짜
1	Capactor	PGRM1085C1H222JA01D	1910	CEY104.5 / 5.3	REEL	2017-11-23



The screenshot shows a list of search results for warehousing status. The table includes columns for NO., 종목 (Category), P/N (Part Number), MOQ (Minimum Order Quantity), 위치 (Location), TYPE, and 입고날짜 (Arrival Date). A red box highlights the entire table area.

NO.	종목	P/N	MOQ	위치	TYPE	입고날짜
1	Capactor	PGRM1085C1H222JA01D	1910	CEY104.5 / 5.3	REEL	2017-11-23
2	Resistor	AG4A00P001H000400D	3600	CEY104.5 / 5.3	REEL	2017-11-14
3	Capactor	PGRM105971H102KA01D	3605	CEY104.5 / 5.3	REEL	2017-11-27
4	Capactor	IPSS14-E3/6/1T	29	CEY104.5 / 5.3	REEL	2017-11-23
5	Capactor	CS1600-TR9309-5000RFB	3191	CEY104.5 / 5.3	REEL	2017-12-11
6	Capactor	0603N2203J500LTA4000	1689	CEY104.5 / 5.45	REEL	2017-12-14
7	Capactor	0402N1003J500LTA10000	4224	CEY104.5 / 5.44	REEL	2017-12-11
8	Capactor	WRC0503P0001TL5000	6330	CEY104.5 / 5.32	REEL	2017-11-23
9	Capactor	PGRM10951E1105KA12D	298	CEY104.5 / 5.41	REEL	2017-11-23
10	Resistor	WR04XTR1J1L5000	4108	CEY104.5 / 5.4	REEL	2017-11-29
11	Capactor	QAA/GM963	4365	CEY104.5 / 5.39	REEL	2017-11-23
12	Resistor	WR04X1000TL10000	5306	CEY104.5 / 5.30	REEL	2017-11-23
13	Capactor	WW25MTR101FTL4000	3600	CEY104.5 / 5.37	REEL	2017-12-11
14	Capactor	WR04X3000FTL5000	3237	CEY104.5 / 5.36	REEL	2017-11-23
15	Capactor	WR04X3000FTL5000	6540	CEY104.5 / 5.35	REEL	2017-11-23
16	Capactor	STP03216-260PT	3497	CEY104.5 / 5.34	REEL	2017-11-24
17	Capactor	STP03216-260PT	3600	CEY104.5 / 5.33	REEL	2017-11-24
18	Resistor	PGRM105971H102KA12D	2230	CEY104.5 / 5.32	REEL	2017-11-24
19		P2230-000098	2930	CEY104.5 / 5.31	REEL	2017-11-24
20	Capactor	GRM10851E1052A12D	1390	CEY104.5 / 5.30	REEL	2017-11-24
21	Capactor	PGRM105971H102KA12D	1037	CEY104.5 / 5.3	REEL	2017-11-24
22	Capactor	STP03216-260PT	1277	CEY104.5 / 5.29	REEL	2017-11-24
23	Baseplane	1P0347100136-APN	732	CEY104.5 / 5.28	REEL	2017-11-24
24	Capactor	STP03216-260PT	2157	CEY104.5 / 5.27	REEL	2017-11-24
25	Capactor	ST0303216-600PT	3123	CEY104.5 / 5.26	REEL	2017-11-24
26	Capactor	*GRM1085C1H00004000	2489	CEY104.5 / 5.24	REEL	2017-11-24
27	Capactor	RM0401TN1000	91	CEY104.5 / 5.23	REEL	2017-11-24
28	Resistor	WR04X2231TL5000	4500	CEY104.5 / 5.22	REEL	2017-12-14
29	Capactor	STP03216-260PT	678	CEY104.5 / 5.21	REEL	2017-11-24
30	Resistor	P2203-005349	318	CEY104.5 / 5.20	REEL	2017-11-24
31	Resistor	PGRM108571H100UA01D	669	CEY104.5 / 5.19	REEL	2017-11-24
32	Capactor	MC1003ZP9-1X10000	1391	CEY104.5 / 5.19	REEL	2017-11-24
33	Capactor	MC010M2PZ1J03M	4418	CEY104.5 / 5.18	REEL	2017-11-23
34	Capactor	PGRM1085C1H200JA01D	1717	CEY104.5 / 5.17	REEL	2017-11-24
35	Capactor	PGRM108971H474KA12D	3291	CEY104.5 / 5.16	REEL	2017-11-24
36	Capactor	1P0347100136-APN	3091	CEY104.5 / 5.15	REEL	2017-11-24
37	Capactor	PGRM105971H105UA01D	2349	CEY104.5 / 5.14	REEL	2017-11-24
38	Capactor	PGRM1085C1H131UA01D	2176	CEY104.5 / 5.13	REEL	2017-11-24
39		PGRM108571H100UA01D	153	CEY104.5 / 5.12	REEL	2017-11-24

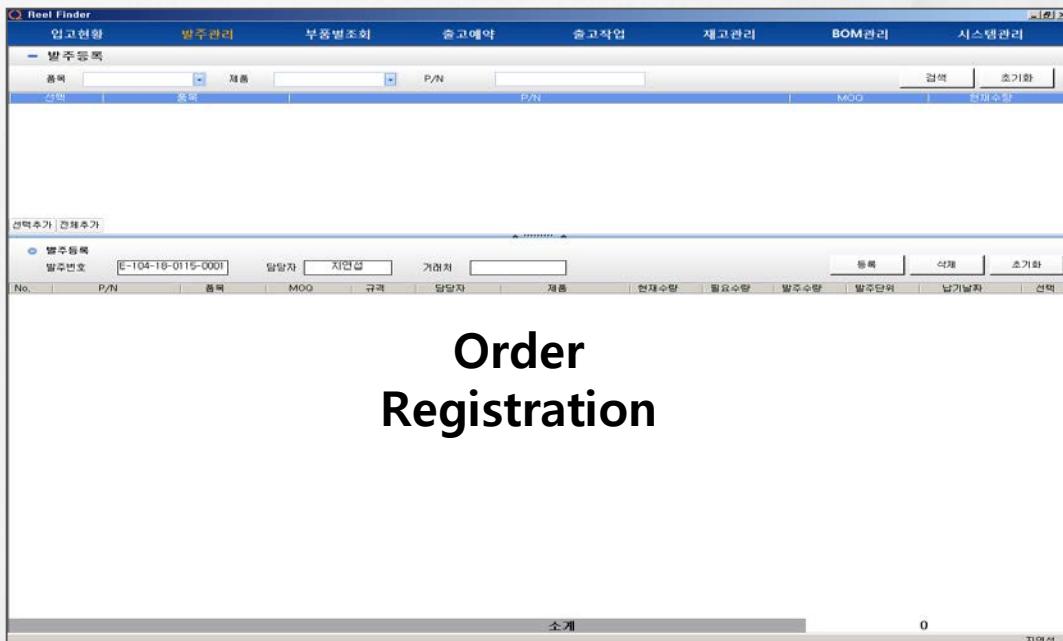
▪ How to search warehousing status

- 1) Select among "total", "by registration date", "by re-warehousing date", and date and click on search button.
- 2) A list will appear according to the search condition.(If you wish to reset the list, click on refresh button.)

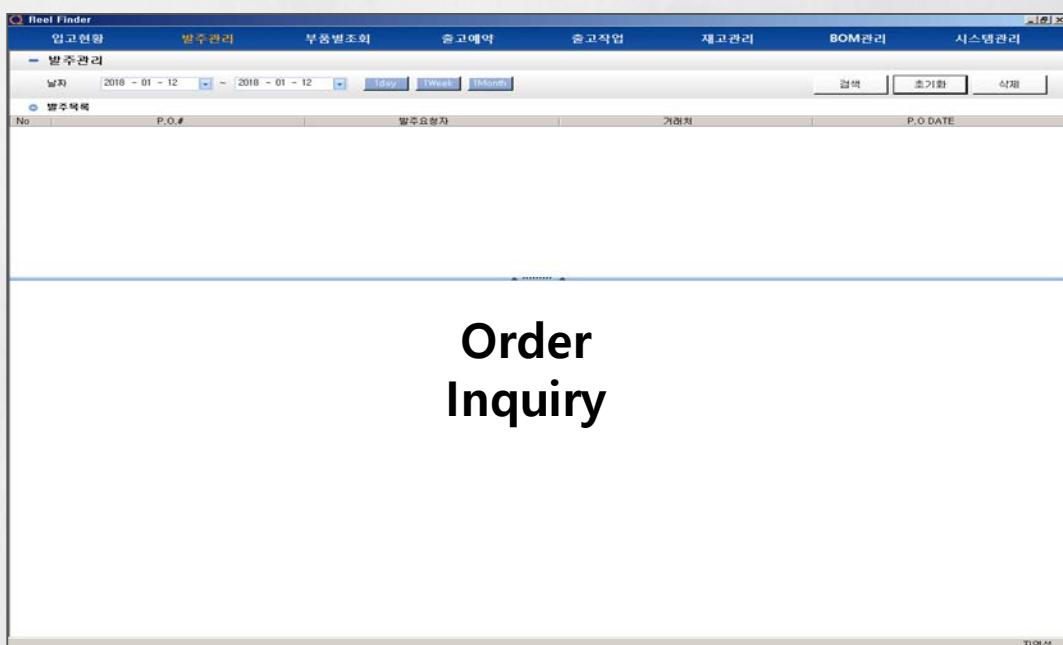
I. User Program

5. Order Management

This is user program's order management display.
It allows access to user's order registration and inquiry.



Order
Registration



Order
Inquiry

I. User Program

5.1 Order Registration (1)

▪ How to register order

- 1) After selecting or entering P/N, by item and by product, search.
- 2) Check accordingly on ②.
- 3) After checking, click on "add selected" or "add all" on ③.
- 4) When an article is added, it will be added on an order registration list(④) below.

I. User Program

5.1 Order Registration (2)

▪ How to register order

- 5) Fill out required entry items(⑤) for order article.
(When you double-click, input window will be vitalized.)
- 6) After checking on articles for last order(⑥), click on Registration button(⑦).
- 7) If you wish to delete the order request list, check on the line accordingly and click on "Delete" button(⑧).
(List initialization works the same way.)

※ You may inquire the list of last order articles on Order Inquiry menu. (Refer to Manual 5.2)

I. User Program

5.2 Order Inquiry

▪ How to inquire order

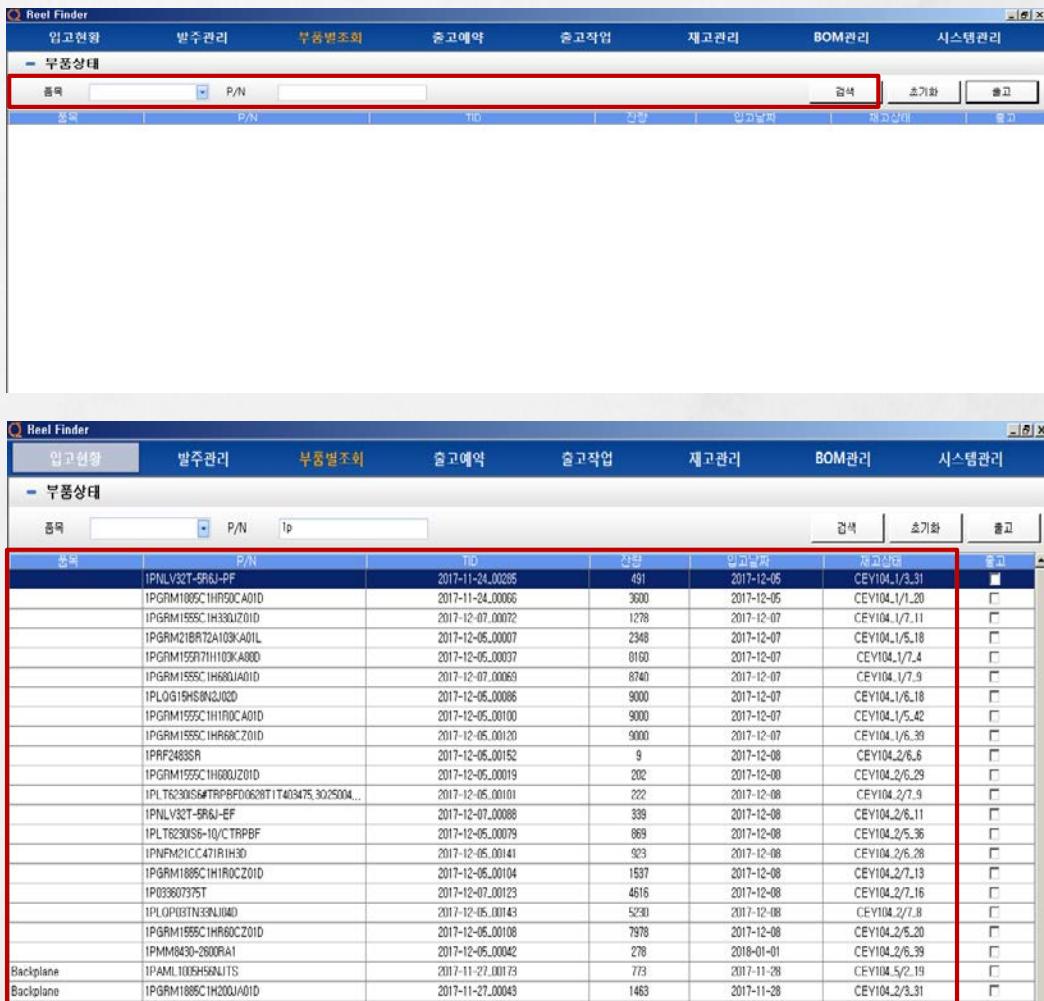
- 1) After selecting a date period, click on search button.
- 2) On order list, double-click on applicable list.
- 3) You may access to details of the list below.
- 4) If you wish to cancel the order request, click on the list and click on cancel button above.

※ Order request may be cancelled while it's still "pending".

I. User Program

6. Inquiry by Parts (Immediate Release) (1)

This is an inquiry by parts screen of user program.



품목	P/N	TID	수량	입고날짜	제고상태	제고선택
IPNLV32T-5R6J-PF		2017-11-24_00285	491	2017-12-05	CEY104.1/3.31	<input checked="" type="checkbox"/>
IPGRM1085C1H90CZ01D		2017-11-24_00066	3600	2017-12-05	CEY104.1/L20	<input type="checkbox"/>
IPGRM1555C1H330CZ01D		2017-12-07_00072	1278	2017-12-07	CEY104.1/7.11	<input type="checkbox"/>
IPGRM218R72A103KA01L		2017-12-05_00007	2348	2017-12-07	CEY104.1/5.18	<input type="checkbox"/>
IPGRM15597H1103KA00D		2017-12-05_00007	0160	2017-12-07	CEY104.1/7.4	<input type="checkbox"/>
IPGRM1555C1H6801A01D		2017-12-07_00069	8740	2017-12-07	CEY104.1/7.9	<input type="checkbox"/>
IPLOG15HS8N2J02D		2017-12-05_00068	9000	2017-12-07	CEY104.1/6.18	<input type="checkbox"/>
IPGRM1555C1H1R0CZ01D		2017-12-05_00100	9000	2017-12-07	CEY104.1/5.42	<input type="checkbox"/>
IPGRM1555C1H686CZ01D		2017-12-05_00120	9000	2017-12-07	CEY104.1/6.39	<input type="checkbox"/>
IPRF24835R		2017-12-05_00152	9	2017-12-08	CEY104.2/6.6	<input type="checkbox"/>
IPGRM1555C1H680UZ01D		2017-12-05_00019	202	2017-12-08	CEY104.2/6.29	<input type="checkbox"/>
IPLT620S05#TRPBF0628T1T403475,3025004...		2017-12-05_00101	222	2017-12-08	CEY104.2/7.9	<input type="checkbox"/>
IPNLV32T-5R6J-EF		2017-12-07_00088	339	2017-12-08	CEY104.2/6.11	<input type="checkbox"/>
IPLT620S05-10/CTRPBF		2017-12-05_00079	869	2017-12-08	CEY104.2/5.36	<input type="checkbox"/>
IPNM21CC471RH3D		2017-12-05_00141	923	2017-12-08	CEY104.2/6.28	<input type="checkbox"/>
IPGRM1886C1H1R0CZ01D		2017-12-05_00104	1537	2017-12-08	CEY104.2/7.13	<input type="checkbox"/>
IP033807375		2017-12-07_00123	4516	2017-12-08	CEY104.2/7.16	<input type="checkbox"/>
IPLOP03TN33LU0D		2017-12-05_00143	5230	2017-12-08	CEY104.2/7.8	<input type="checkbox"/>
IPGRM1555C1H680CZ01D		2017-12-05_00108	7978	2017-12-08	CEY104.2/5.20	<input type="checkbox"/>
IPMM8430-2600RA1		2017-12-05_00042	278	2018-01-01	CEY104.2/6.39	<input type="checkbox"/>
Backplane	IPAMI1005H56NLTS	2017-11-27_00173	773	2017-11-28	CEY104.5/2.19	<input type="checkbox"/>
Backplane	IPGRM1885C1H200A01D	2017-11-27_00043	1463	2017-11-28	CEY104.2/3.31	<input type="checkbox"/>

▪ How to search inquiry by parts

- 1) After selecting product or entering P/N, search.
- 2) It will display detailed inquiries of selected product.

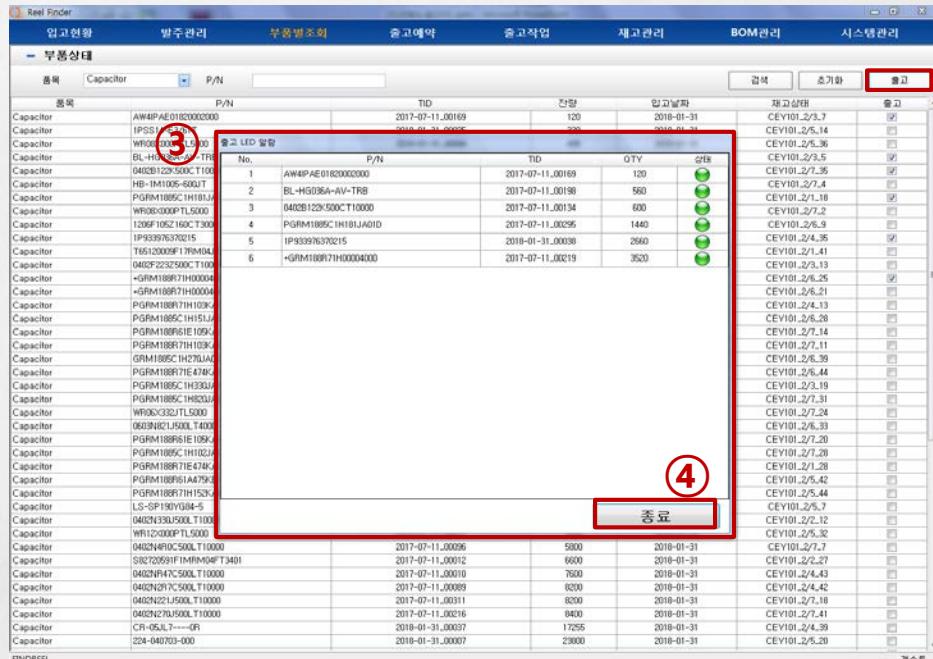
I. User Program

6. Inquiry by Parts (Immediate Release) (2)

On inquiry by parts menu, you can release immediately without any release reservation.



Reel Finder							
입고현황	발주관리	부품별조회	출고예약	출고작업	제고관리	BOM관리	시스템관리
부품상태		P/N					
Capacitor	AW4IP-AE0102000000	T10	상량	입고날짜	제고상태	출고	
Capacitor	1P5314-E3-91T	2017-01-31,0005	120	2016-01-31	CEY101_2/3,7	<input type="checkbox"/>	
Capacitor	WRF000000000000	2018-01-31,0006	339	2016-01-31	CEY101_2/5,14	<input type="checkbox"/>	
Capacitor	BL-HG036A-AV-TRB	2017-07-11,0019	456	2016-01-31	CEY101_2/5,36	<input type="checkbox"/>	
Capacitor	040201225000C10000	2017-07-11,0014	560	2016-01-31	CEY101_2/3,5	<input type="checkbox"/>	
Capacitor	HB-1M1006-600LT	2018-01-31,0003	600	2016-01-31	CEY101_2/3,35	<input type="checkbox"/>	
Capacitor	PGRM1895C1H181JA01D	2017-07-11,0025	1440	2016-01-31	CEY101_2/1,18	<input type="checkbox"/>	
Capacitor	WR08000000000000	2017-07-11,0034	2200	2016-01-31	CEY101_2/2,2	<input type="checkbox"/>	
Capacitor	1209F1052160C1T3000	2017-07-11,0013	2520	2016-01-31	CEY101_2/6,9	<input type="checkbox"/>	
Capacitor	IP33997637022	2018-01-31,0008	2660	2016-01-31	CEY101_2/4,35	<input type="checkbox"/>	
Capacitor	16512000001719M04T1201	2017-07-11,0004	2800	2016-01-31	CEY101_2/1,41	<input type="checkbox"/>	
Capacitor	040201225000C10000	2017-07-11,0025	3400	2016-01-31	CEY101_2/3,13	<input type="checkbox"/>	
Capacitor	+GFM1895T1H0000040000	2017-07-11,0019	3520	2016-01-31	CEY101_2/6,25	<input type="checkbox"/>	
Capacitor	+GFM1895T1H000004000	2017-07-11,0016	3680	2016-01-31	CEY101_2/6,21	<input type="checkbox"/>	
Capacitor	PGRM1895T1H000004000	2017-07-11,0045	3920	2016-01-31	CEY101_2/4,13	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0037	3920	2016-01-31	CEY101_2/6,28	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0038	3920	2016-01-31	CEY101_2/7,14	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0028	3920	2016-01-31	CEY101_2/7,11	<input type="checkbox"/>	
Capacitor	GRM1895C1H070JA01D	2017-07-11,0007	3920	2016-01-31	CEY101_2/6,36	<input type="checkbox"/>	
Capacitor	PGRM1895T1H474K-A120	2017-07-11,0006	4000	2016-01-31	CEY101_2/6,44	<input type="checkbox"/>	
Capacitor	PGRM1895C1H330JA01D	2017-07-11,0001	4000	2016-01-31	CEY101_2/3,19	<input type="checkbox"/>	
Capacitor	PGRM1895C1H080JA01D	2017-07-11,0029	4000	2016-01-31	CEY101_2/7,31	<input type="checkbox"/>	
Capacitor	WR08000000000000	2017-07-11,0043	4000	2016-01-31	CEY101_2/3,24	<input type="checkbox"/>	
Capacitor	0603N2120000L1000	2017-07-11,0081	4000	2016-01-31	CEY101_2/6,33	<input type="checkbox"/>	
Capacitor	PGRM1895T1H09K-A120	2017-07-11,0059	4000	2016-01-31	CEY101_2/2,20	<input type="checkbox"/>	
Capacitor	PGRM1895C1H10KJA01D	2017-07-11,0050	4000	2016-01-31	CEY101_2/7,28	<input type="checkbox"/>	
Capacitor	PGRM1895T1H474K-A120	2017-07-11,0032	4000	2016-01-31	CEY101_2/1,28	<input type="checkbox"/>	
Capacitor	PGRM1895T1H474K-E150	2018-01-31,0002	4000	2016-01-31	CEY101_2/5,42	<input type="checkbox"/>	
Capacitor	PGRM1895T1H152KJA01D	2018-01-31,0009	4000	2016-01-31	CEY101_2/5,44	<input type="checkbox"/>	
Capacitor	LS-SP190V048-5	2018-01-31,0029	4000	2016-01-31	CEY101_2/5,7	<input type="checkbox"/>	
NORMAL							



Reel Finder							
입고현황	발주관리	부품별조회	출고예약	출고작업	제고관리	BOM관리	시스템관리
부품상태		P/N					
Capacitor	AW4IP-AE0102000000	T10	잔량	입고날짜	제고상태	출고	
Capacitor	1P5314-E3-91T	2017-07-11,0016	120	2016-01-31	CEY101_2/3,7	<input type="checkbox"/>	
Capacitor	WRF000000000000	2018-01-31,0005	339	2016-01-31	CEY101_2/5,14	<input type="checkbox"/>	
Capacitor	BL-HG036A-AV-TRB	2017-07-11,0019	456	2016-01-31	CEY101_2/5,36	<input type="checkbox"/>	
Capacitor	040201225000C10000	2017-07-11,0014	560	2016-01-31	CEY101_2/3,5	<input type="checkbox"/>	
Capacitor	HB-1M1006-600LT	2018-01-31,0003	600	2016-01-31	CEY101_2/3,35	<input type="checkbox"/>	
Capacitor	PGRM1895C1H181JA01D	2017-07-11,0025	1440	2016-01-31	CEY101_2/1,18	<input type="checkbox"/>	
Capacitor	WR08000000000000	2017-07-11,0034	2200	2016-01-31	CEY101_2/2,2	<input type="checkbox"/>	
Capacitor	1209F1052160C1T3000	2017-07-11,0013	2520	2016-01-31	CEY101_2/6,9	<input type="checkbox"/>	
Capacitor	IP33997637022	2018-01-31,0008	2660	2016-01-31	CEY101_2/4,35	<input type="checkbox"/>	
Capacitor	16512000001719M04T1201	2017-07-11,0004	2800	2016-01-31	CEY101_2/1,41	<input type="checkbox"/>	
Capacitor	040201225000C10000	2017-07-11,0025	3400	2016-01-31	CEY101_2/3,13	<input type="checkbox"/>	
Capacitor	+GFM1895T1H0000040000	2017-07-11,0019	3520	2016-01-31	CEY101_2/6,25	<input type="checkbox"/>	
Capacitor	+GFM1895T1H0000040000	2017-07-11,0016	3680	2016-01-31	CEY101_2/6,21	<input type="checkbox"/>	
Capacitor	PGRM1895T1H0000040000	2017-07-11,0045	3920	2016-01-31	CEY101_2/4,13	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0037	3920	2016-01-31	CEY101_2/6,28	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0038	3920	2016-01-31	CEY101_2/7,14	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0028	3920	2016-01-31	CEY101_2/7,11	<input type="checkbox"/>	
Capacitor	GRM1895C1H070JA01D	2017-07-11,0007	3920	2016-01-31	CEY101_2/6,36	<input type="checkbox"/>	
Capacitor	PGRM1895T1H474K-A120	2017-07-11,0006	4000	2016-01-31	CEY101_2/6,44	<input type="checkbox"/>	
Capacitor	PGRM1895C1H330JA01D	2017-07-11,0001	4000	2016-01-31	CEY101_2/3,19	<input type="checkbox"/>	
Capacitor	PGRM1895C1H080JA01D	2017-07-11,0029	4000	2016-01-31	CEY101_2/7,31	<input type="checkbox"/>	
Capacitor	PGRM1895T1H103K	2017-07-11,0043	4000	2016-01-31	CEY101_2/7,24	<input type="checkbox"/>	
Capacitor	PGRM1895T1H103K	2017-07-11,0021	4000	2016-01-31	CEY101_2/6,33	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0019	4000	2016-01-31	CEY101_2/1,18	<input type="checkbox"/>	
Capacitor	PGRM1895C1H151JA01D	2017-07-11,0014	4000	2016-01-31	CEY101_2/2,2	<input type="checkbox"/>	
Capacitor	PGRM1895T1H103K	2017-07-11,0038	4000	2016-01-31	CEY101_2/6,28	<input type="checkbox"/>	
Capacitor	PGRM1895T1H103K	2017-07-11,0013	4000	2016-01-31	CEY101_2/5,39	<input type="checkbox"/>	
Capacitor	PGRM1895T1H103K	2017-07-11,0016	4000	2016-01-31	CEY101_2/6,44	<input type="checkbox"/>	
Capacitor	PGRM1895C1H233U	2017-07-11,0004	4000	2016-01-31	CEY101_2/3,19	<input type="checkbox"/>	
Capacitor	PGRM1895C1H233U	2017-07-11,0011	4000	2016-01-31	CEY101_2/7,31	<input type="checkbox"/>	
Capacitor	PGRM1895C1H233U	2017-07-11,0009	4000	2016-01-31	CEY101_2/7,24	<input type="checkbox"/>	
Capacitor	PGRM1895C1H233U	2017-07-11,0010	4000	2016-01-31	CEY101_2/6,33	<input type="checkbox"/>	
Capacitor	PGRM1895C1H233U	2017-07-11,0012	4000	2016-01-31	CEY101_2/1,28	<input type="checkbox"/>	
Capacitor	PGRM1895C1H233U	2017-07-11,0015	4000	2016-01-31	CEY101_2/5,42	<input type="checkbox"/>	
Capacitor	PGRM1895T1H152V	2017-07-11,0004	4000	2016-01-31	CEY101_2/5,44	<input type="checkbox"/>	
Capacitor	LS-SP190V048-5	2018-01-31,0009	4000	2016-01-31	CEY101_2/5,57	<input type="checkbox"/>	
Capacitor	040243300000L1000	2017-07-11,0001	4000	2016-01-31	CEY101_2/2,12	<input type="checkbox"/>	
Capacitor	WR12000000000000	2017-07-11,0006	5900	2016-01-31	CEY101_2/7,3	<input type="checkbox"/>	
Capacitor	S827255911M1P04T73401	2017-07-11,0012	6600	2016-01-31	CEY101_2/2,27	<input type="checkbox"/>	
Capacitor	0402N47C5000L10000	2017-07-11,0019	7600	2016-01-31	CEY101_2/4,43	<input type="checkbox"/>	
Capacitor	0402N47C5000L10000	2017-07-11,0009	8200	2016-01-31	CEY101_2/4,42	<input type="checkbox"/>	
Capacitor	0402N212J5000L10000	2017-07-11,0031	8200	2016-01-31	CEY101_2/7,18	<input type="checkbox"/>	
Capacitor	0402N212J5000L10000	2017-07-11,0026	8400	2016-01-31	CEY101_2/7,41	<input type="checkbox"/>	
Capacitor	CR-05L,7----0R	2018-01-31,00097	17255	2016-01-31	CEY101_2/4,39	<input type="checkbox"/>	
Capacitor	224-040703-000	2018-01-31,0007	23000	2016-01-31	CEY101_2/5,20	<input type="checkbox"/>	

▪ How to release immediately on inquiry by parts menu

- 1) After searching, check on the products you want released.
- 2) If you pressed the release button(②), parts release is completed.
- 3) List of released parts will be displayed on the screen(③), and a green LED light on the shelf, underneath the releasing reel, will turn on.
- 4) After taking out the reel, with the green LED light on, from the shelf and pressing "Done" button, immediate release is completed.

I. User Program

7. Release Process

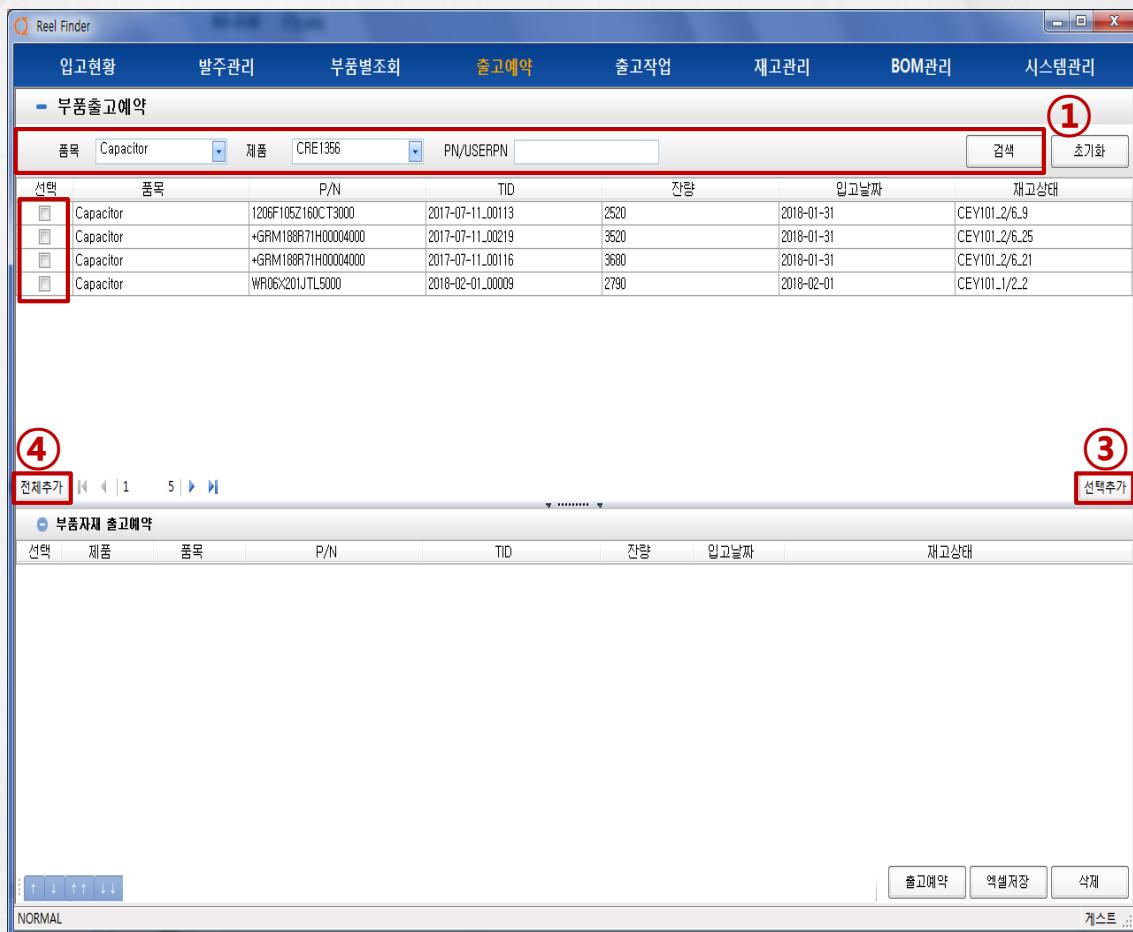
This is a screen display for user program's release process. It consists of release stand-by list and release completion list.

Release Stand-by

Release Completion List

I. User Program

7.1 Parts Release Reservation (1)



▪ How to make a parts-release reservation

- 1) After selecting or entering P/N, by item and by product, search.
(If you search without selecting an item or a product, or entering P/N, entire item list will be searched.)
- 2) Applicable list will be referred, according to the search condition.
- 3) Check on the items you want released (②).
- 4) After checking, click on "add selected" (③).
(If you want "add all", click on button ④.)

I. User Program

7.1 Parts Release Reservation (2)



- **How to make a parts-release reservation**

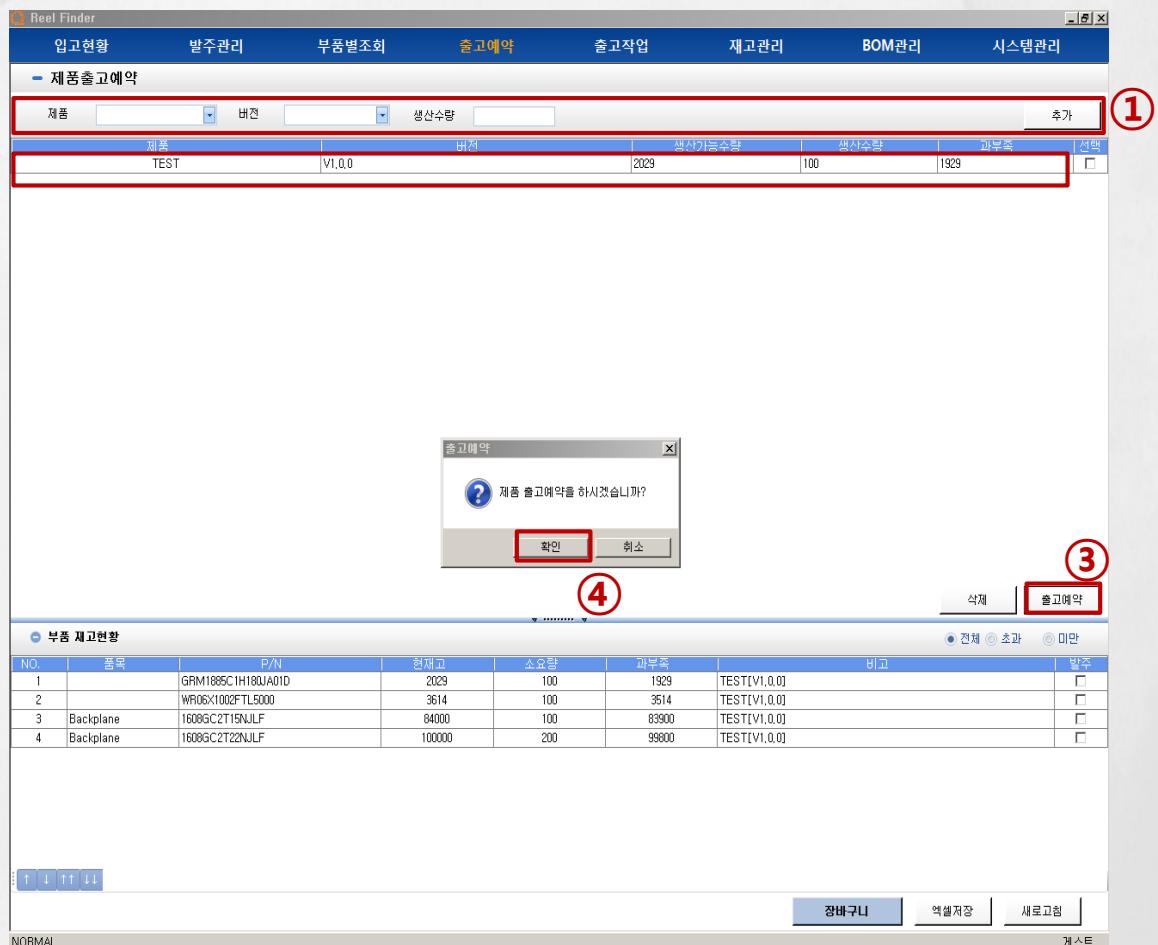
- 5) When the article is added, it is added into parts material release reservation list and check(5) on article that you wish to request release.
- 6) When you press on Release Reservation button(6), selected item's release reservation is completed.

※ If you wish to save parts release reservation list in Microsoft Excel, click on ⑦.

※ You may check the list of items requested for release reservation, on Release Process-Release Stand-by menu, and release is complete once you press on Practice Release button. (Refer to Manual 8.1)

I. User Program

7.2 Product Release Reservation (1) - Success



▪ How to make a product-release reservation

- 1) After entering the product and version you want, and production quantity, click on "Add" button.
- 2) Product list and parts residual quantity status, under applicable conditions, are inquired.
- 3) Click on "release reservation" button(③).
- 4) After release reservation pop-up window appears, click on "Confirm" button(④) and product release reservation is completed.

※ You may check release reservation status on Release Process-Release Stand-by menu. (Refer to Manual 8)

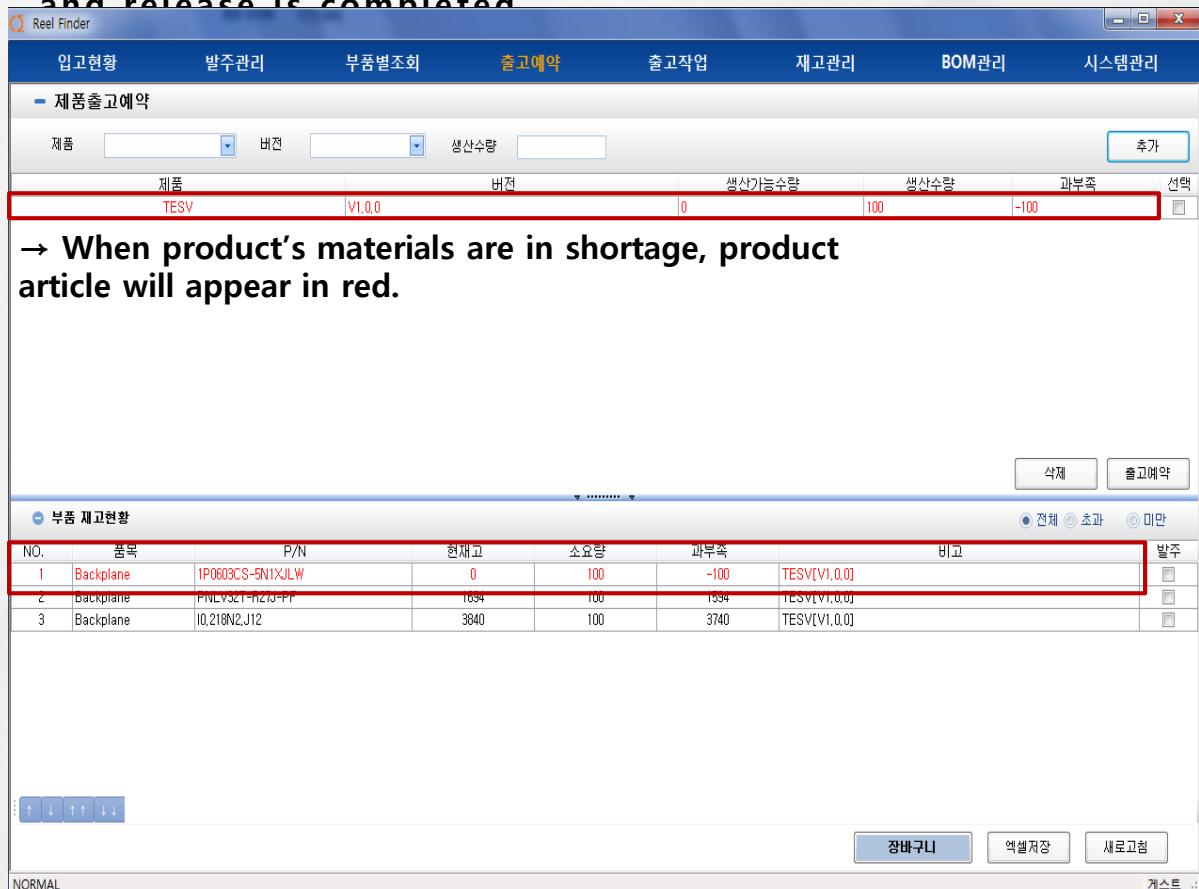
※ You may check parts residual quantity status of the product to be release, below. If the products are in shortage, request for product order right away and proceed further. (Refer to Manual 7.2(2))

I. User Program

7.2 Product Release Reservation (2) - Fail

When product's materials are in shortage, product release reservation is processed as "abnormal reservation".

When all materials are in warehouse and ready for normal release, after ordering materials in shortage, **click on release practice button on Release Process-Release Stand-by menu, and release is completed**.

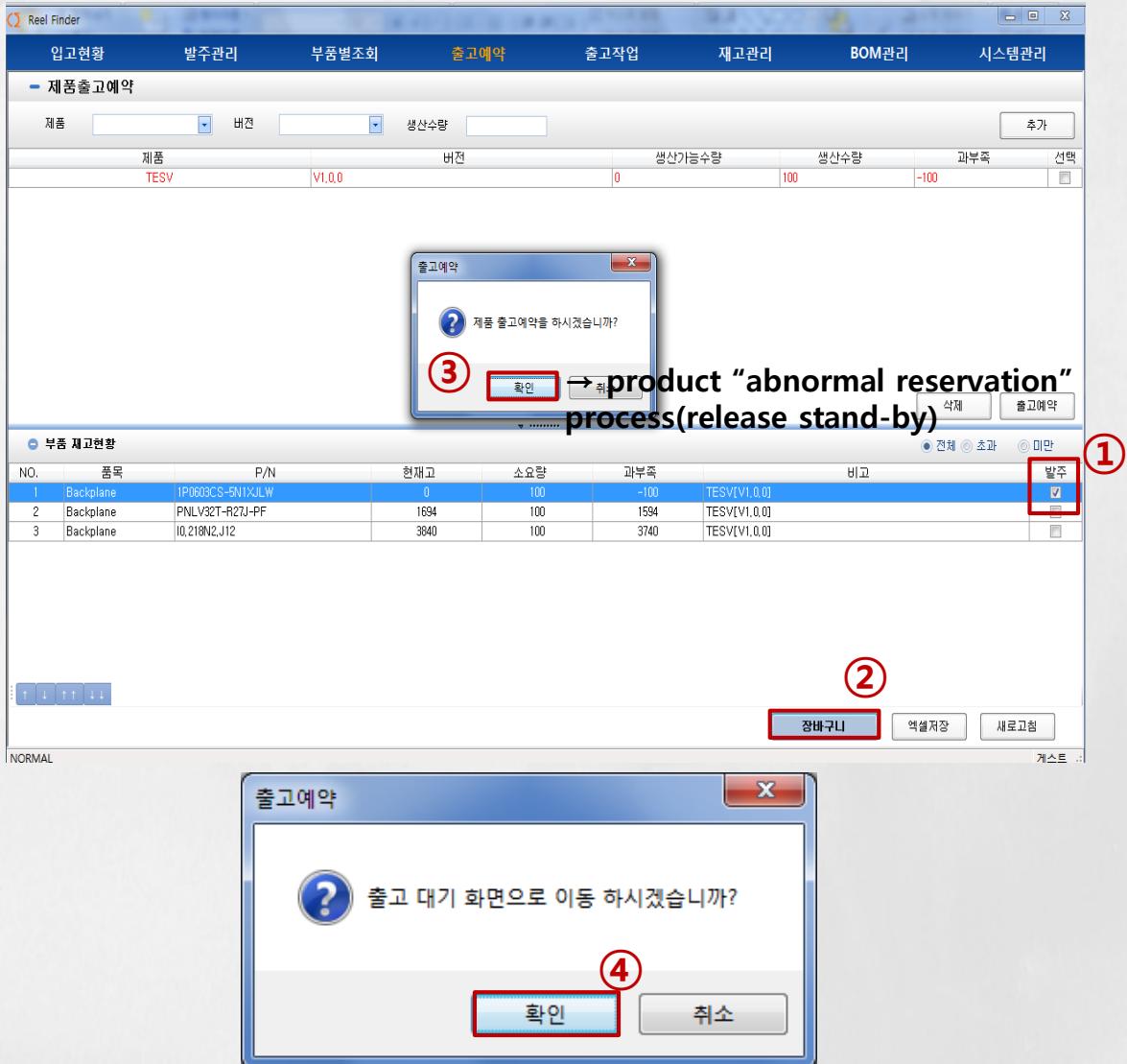


▪ How to release product and order parts

- 1) Product article with lacking material will appear in red.
- 2) While the product's parts residual quantity status is inquired below, parts article in shortage will also appear in red.

I. User Program

7.2 Product Release Reservation (2) - Fail



▪ How to release product and order parts

- 3) After checking on the list of materials in shortage(①), click on cart(②).
- 4) When you click on "Confirm(③)" on product release reservation pop-up window, it will be on standby as a abnormal reservation and release standby pop-up window will appear.
- 5) When you click on "Confirm(④)", it will move to release standby display.
(If you wish to process orders in a row, click on "Cancel" button and if you wish to move to release stand-by display, click on "Confirm".)

I. User Program

7.2 Product Release Reservation (2) - Fail

The image contains two screenshots of the Reel Finder software interface, both titled 'Reel Finder'.

Screenshot 1: Reel Finder - Product Release Reservation List

This screenshot shows a list of release reservations. The table has columns: NO., 출고내가번호 (Release Order No.), 담당자 (Manager), 부서 (Department), 제품여부 (Product Type), 진행상태 (Status), 대기등록일 (Registration Date), 예약상태 (Reservation Status), and 선택 (Select). Two rows are listed:

NO.	출고내가번호	담당자	부서	제품여부	진행상태	대기등록일	예약상태	선택
1	R2018-02-01-00002	김수현		보통	출고예상	2018-02-01	예약완료	<input checked="" type="checkbox"/>
2	R2018-02-02-00001	개스트		제품	출고대기	2018-02-02	비정상예약	<input checked="" type="checkbox"/>

Screenshot 2: Reel Finder - Product Release Reservation Details

This screenshot shows a detailed view of a release reservation. It includes fields for 출고내가번호 (Release Order No.), 출고일 (Release Date), 버전 (Version), and 생산수량 (Production Quantity). Below is a table of product details:

NO.	품목	P/N	출고총수량	생산소요량	잔량
1	Backplane	IP0603CS-5N1XJLW	0	100	-100
2	Backplane	PNLV3CT-R27J-PF	840	100	740
3	Backplane	I0_218N2_J12	3040	100	3740

▪ How to release product and order parts

- 6) When you move to release stand-by display, release stand-by list will be inquired.
- 7) If you double-click on a release reservation list, details of the applicable article will be inquired.

※ Refer to parts order manual 5.1

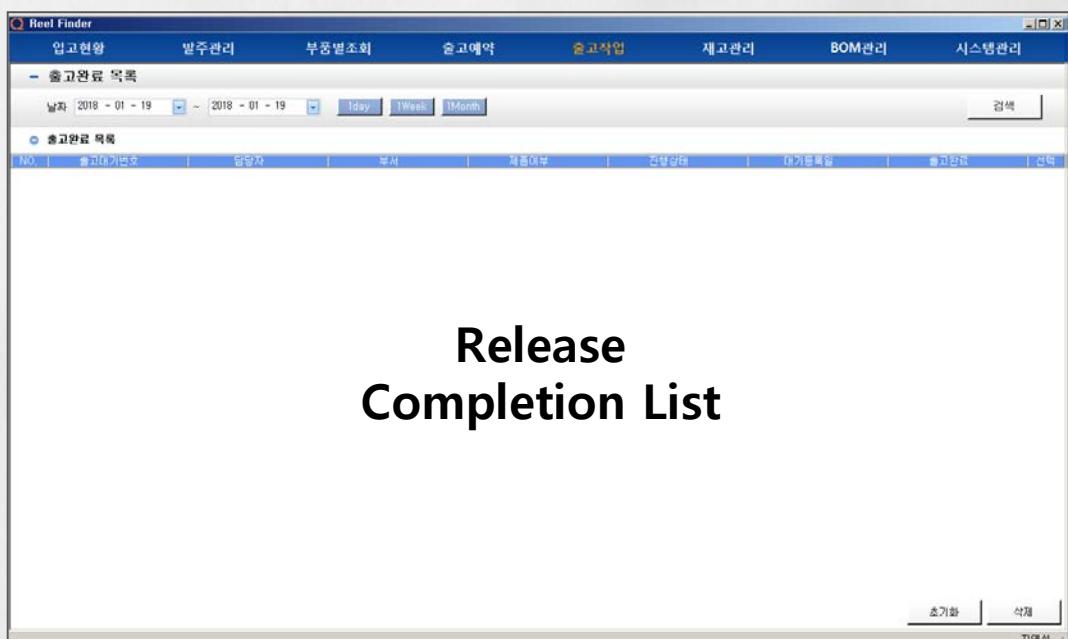
I. User Program

8. Release Process

This is a screen display for user program's release process. It consists of release stand-by list and release completion list.



Release Stand-by

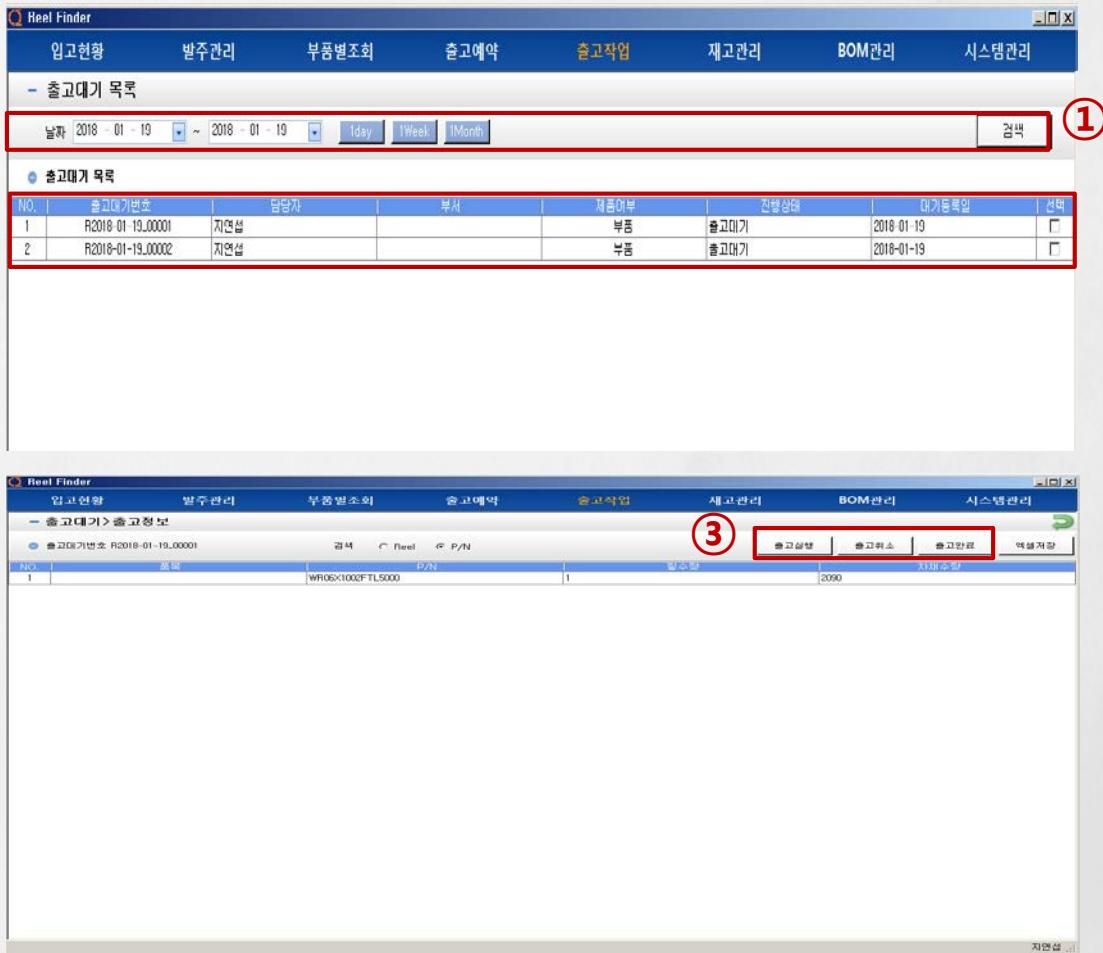


Release Completion List

I. User Program

8.1 Release Stand-by

➤ You can check the list of products that are registered for release reservation on release stand-by menu.



- **How to look up release stand-by list and process or cancel release**

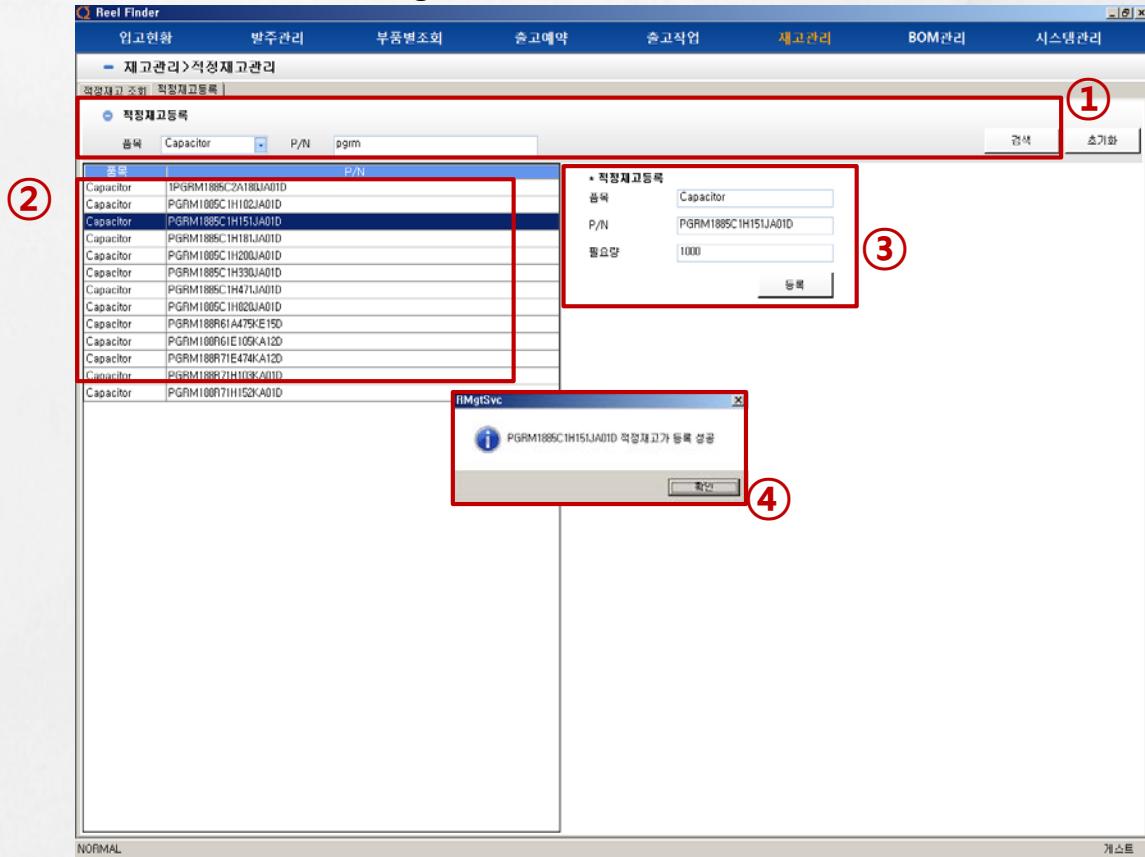
- 1) After selecting time period, click on "search" button.
- 2) When a list of release stand-by, within the period, is displayed, double-click on wanted release stand-by list.
- 3) Selected list of release data page will be displayed.
- 4) On the displayed page, click on either "Process release" or "Cancel release."
- 5) You can check the list of completed list on release process-release completion list. (refer to manual 8.2)

I. User Program

9.1 Optimal Inventory Management

(Registration) What is optimal inventory? It is amount of materials that are required to store.

Possible to set an alert when the inventory falls below (Refer to alarm setting manual 11.2)



▪ How to register optimal inventory

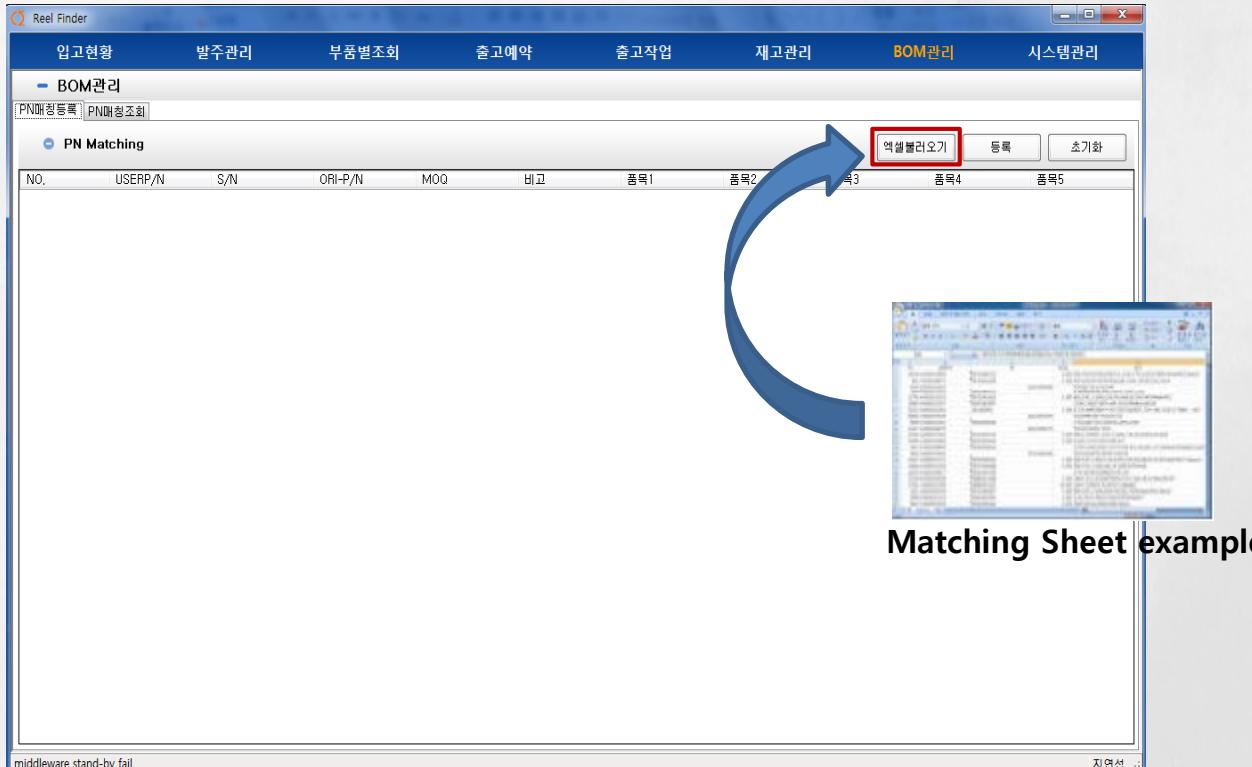
- 1) After selecting product or entering P/N, click on "Search" button.
- 2) Applicable list will be inquired(②).
- 3) Double-click on the list you wish to register as optimal inventory.
- 4) Enter required amount on ③, and click on "Register" button.
- 5) When "Optimal inventory registration success" pop-up window appears, registration is completed.

※ When optimal inventory registration is completed, you can check on inquiry menu.

I. User Program

10.1 PN Matching (Registration)

On user program's PN matching, user can save data on DB en block by registering an Excel spreadsheet, without having to register on registration device manually.



▪ How to do PN matching

- 1) Write and save a matching Sheet in Microsoft Excel.
- 2) After clicking on "Open spreadsheet", open the saved Excel spreadsheet.
- 3) Matching Sheet is saved in DB successfully.

I. User Program

10.1 PN Matching (Inquiry)

This is a display to inquire completed articles with PN matching.



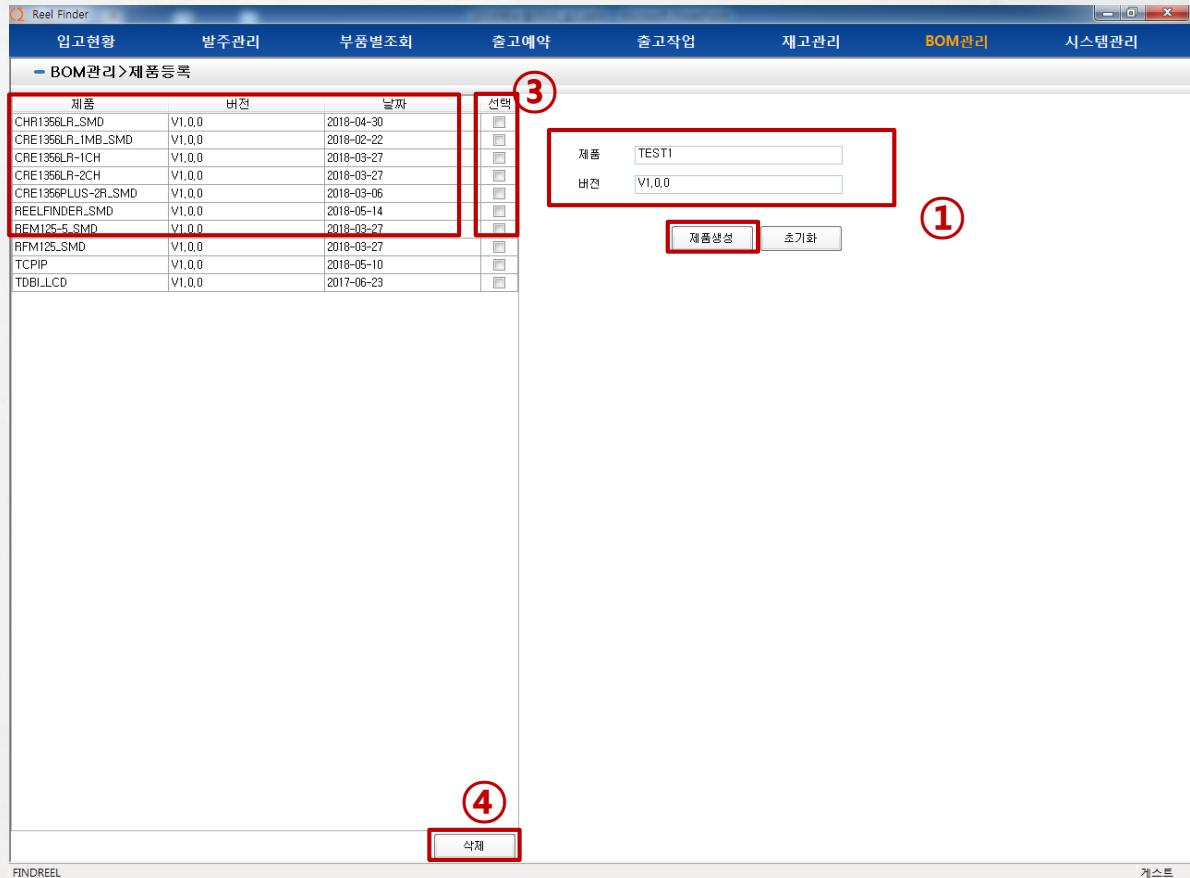
▪ How to inquire PN matching

- 1) Click on "Inquiry" button.
- 2) It inquires manually mapped articles on registration device and mapping articles on Excel spreadsheet.

I. User Program

10.2 Product Registration

This is a display to register product's name and version.



▪ How to register product

- 1) After entering product's name and version, click on "Create product" button.
- 2) You can check created product article on ②.

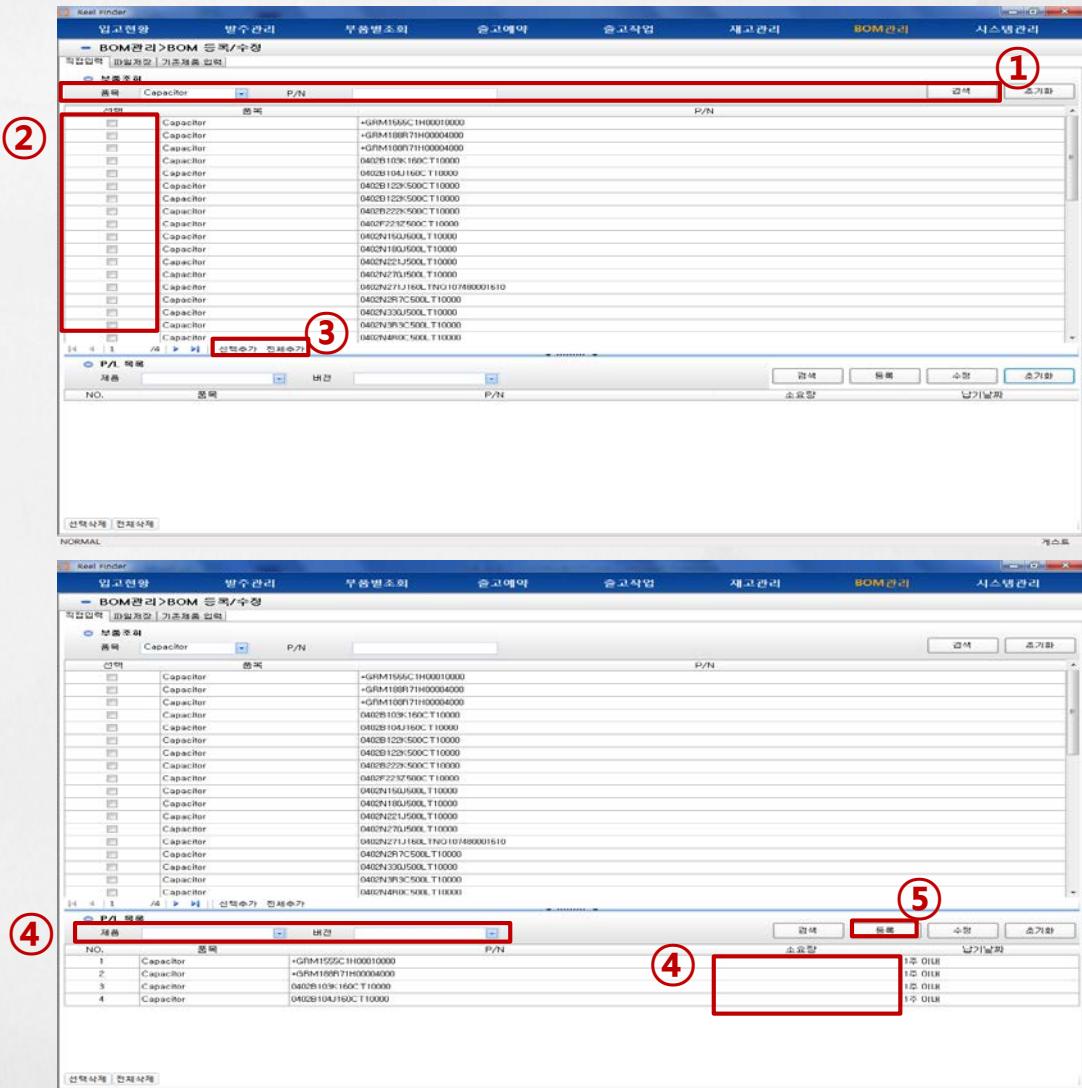
※ If you wish to delete, check on ③ and click on delete button(④).

※ If there is no version, you can keep the basic setting.

I. User Program

10.3 BOM Registration (manually)

This is a display that a user can register BOM manually.



▪ How to register BOM (manually)

- 1) After selecting product or entering P/N, click on "Search" button.
- 2) When list is inquired, check on the article you wish to register BOM(②).
- 3) After checked, click on "add selected" button(③).
- 4) Enter required entry (demand quantity), product, version(④), of added list, and click on "Registration" button(⑤).

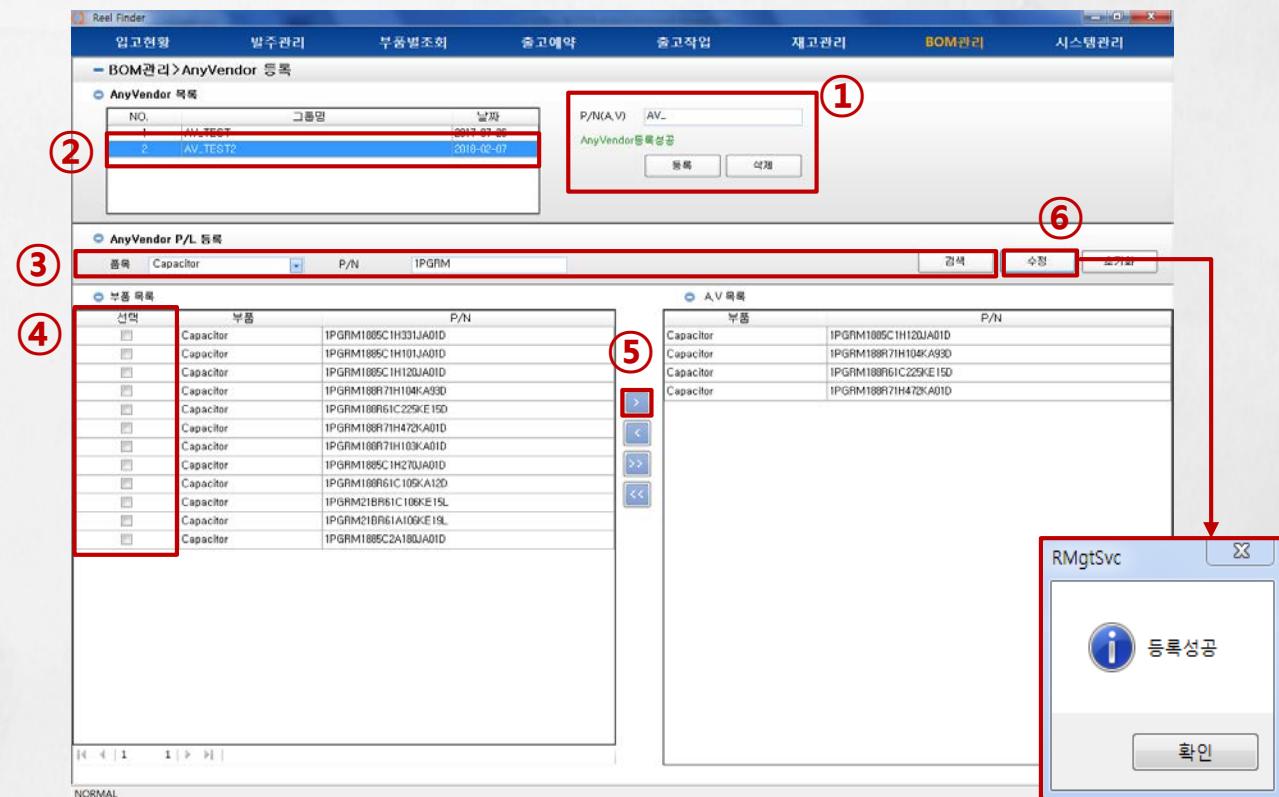
※ You can check registered BOM list on BOM inquiry menu.

I. User Program

10.4 AnyVendor Registration

- What is AnyVendor?

When a certain material is in shortage, a list of substitute materials



- How to register AnyVendor

- 1) Enter an article name that you wish to assign as AnyVendor, and click on "Register" button.
- 2) Registered articles from 1) are added on AnyVendor list, and when you double click, P/L registration below will be vitalized.
- 3) After selecting or entering P/N, click on "Search" button(③)
- 4) Check on articles that you wish to register as AnyVendor, from parts list, and click on > button(⑤).
- 5) When you click on "Edit" button(⑥), "Registration complete" pop-up window will appear.

I. User Program

11. System Management

This is a screen display of user program's system management. You can search and change user's personal information or select options or settings.

Reel Finder

입고현황 발주관리 부품별조회 출고예약 출고작업 재고관리 BOM관리 시스템관리

시스템 관리

개인정보 | 출산 및 육아 |

사용자 정보

사용자 ID: guest
 이름: 자연설
 부서:
 직급:
 회사전화:
 핸드폰:
 Email:
 Fax:

수정 취소

비밀번호 변경

현재 비밀번호
 새 비밀번호
 새 비밀번호 확인

Personal information

REEL FINDER

임고관리 발주등록 재고현황 재고관리 출고관리 출고예약 BOM관리 시스템관리

시스템관리

계정관리 [출전 및 설정] 설정

작성재고 알람

알람 모니터링 설정

수동
 몇 시간마다
 몇 주마다
 매일

선택설정

USER/P/N 사용
 경광등 부저
 임의출고알람

시간설정

00시00분

순차적 LED ON
 전량측정 사용
 Host Interface Server
 선입선출법

His IP: 192.168.1.101 His PORT1: 3000 His PORT2: 10

Options and setting

일반 설정

자동로그인

수정

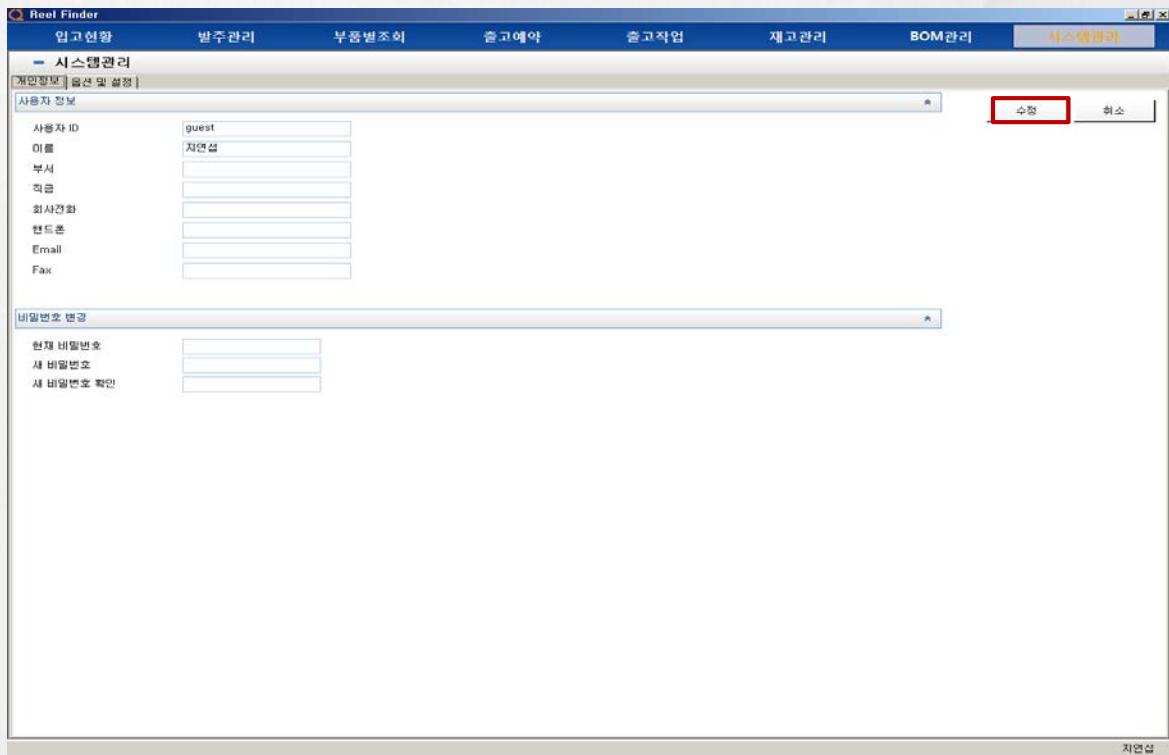
NORMAL



I. User Program

11.1 Account Management

On account management menu, you can change user information and password.



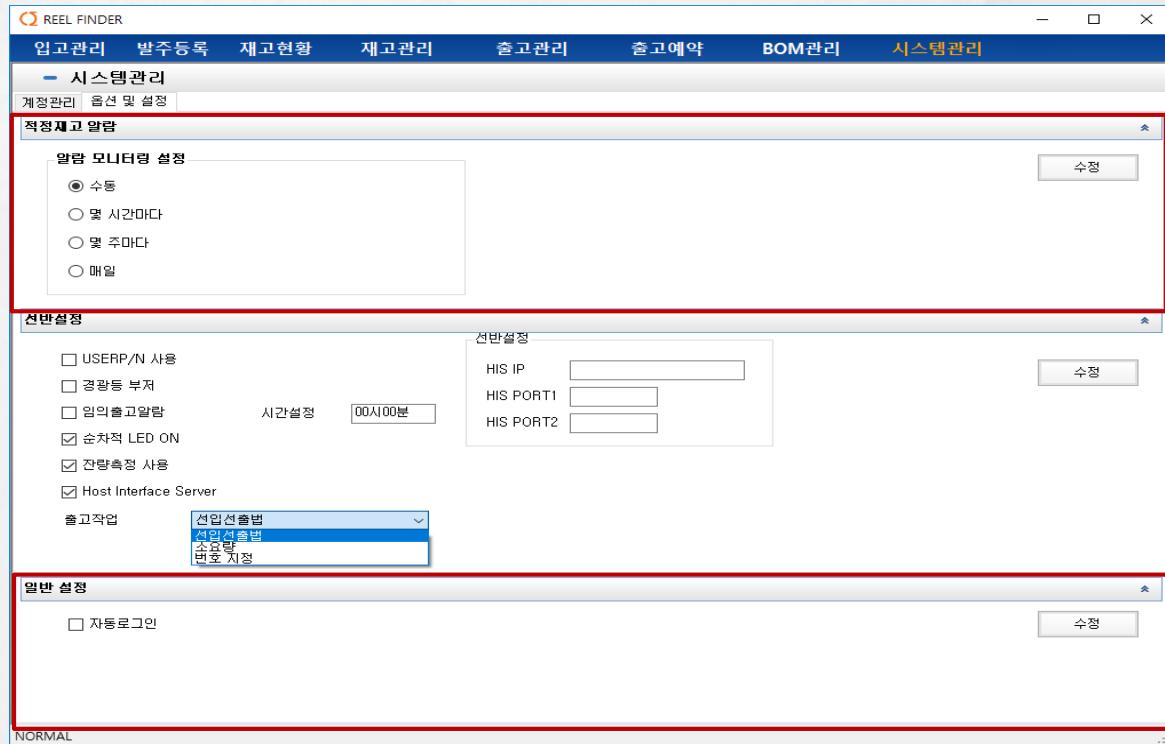
▪ How to set personal information

- When you want to change user information, enter the information you wish to update and click on "Change" button.
- If you wish to change password, enter current password and new password and click on "change" button.

I. User Program

11.2 Options and Setting

On options and setting menu, you can change optimal inventory alarm setting and shelf setting.



▪ Optimal inventory alarm setting

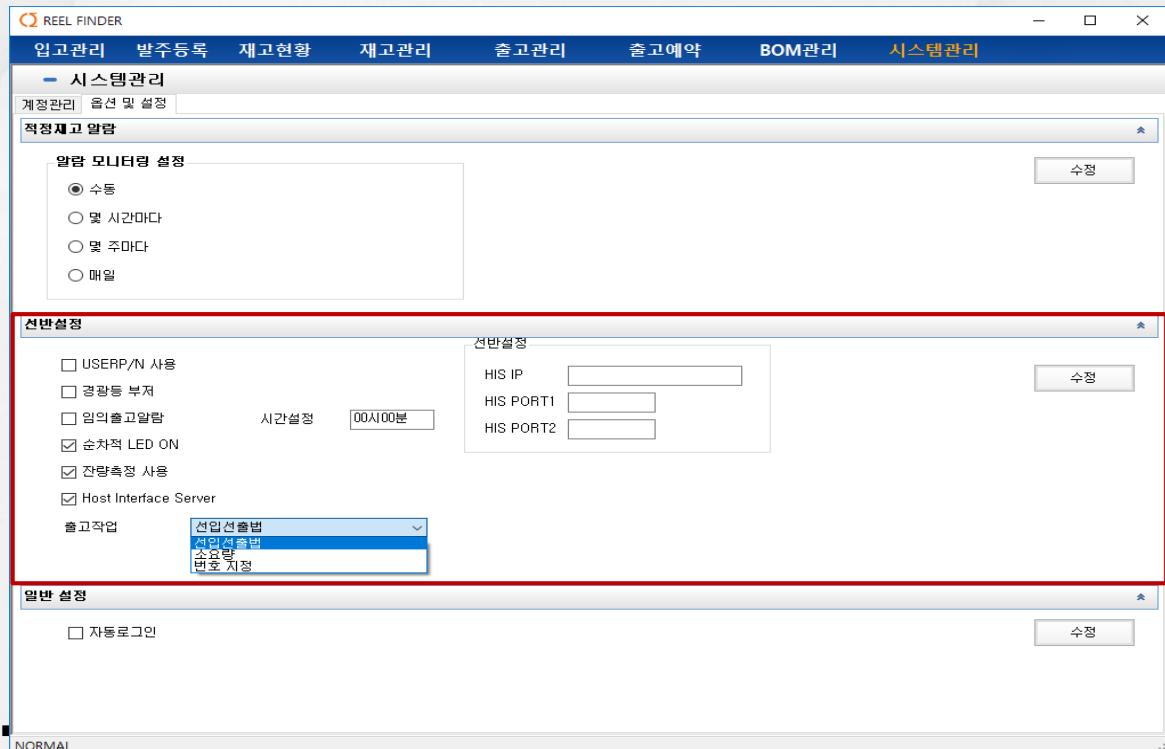
Alarm set for when a minimum required number of materials fall below the set number, at a set time.

▪ Auto login setting

If you want to set up auto login, check the selected box and click on "change" button.

I. User Program

11.2 Options and Setting



- Use USER P/N : managing its own P/N code
- Light buzzer : using light buzzer on the top of shelf
- Temporary release alarm : turning on red LED light when it's temporarily released
- LED ON in order : take out reels in order
 - (Take the reel out according to the order that LED lights blink)
- Remaining amount check : after hatching a reel for certain time, its remaining amount must be checked
- Host Interface Server : server ip address setting
- Release process : selecting a releasing method by first come-first served, demand quantity, and reserved numbers
 - 1) First come-first served : searching by entering early orders in warehouse, and less remaining amount receiving its priority
 - 2) Demand quantity : searching by entering early orders in warehouse, and having more than requested demand quantity receiving its priority



I. Problem Solving

Condition	Cause and solution
When it doesn't move to the next display on registration device's network checking display	Check if the registration device's lan cable is plugged in properly on the back
When the registrator is not recognizing the barcode	Check if the barcode's USB is plugged properly on the back of registration device
When registration device's bar freeze in the middle of processing	Turn off the registration device and turn back on
When light on top of shelf is not turning on	Turn of the shelf's power and turn back on
When user program doesn't log in	1) Check if the main shelf is on 2) Check if the internet on PC is properly connected
➤ When you can't solve the issue, contact Ceyon Tellinventory Co., LTD. directly.	

II. Arrangement of Terms

Terms	Explanations
AnyVendor	list of substitutes when a certain material runs out
BOM (Bills of Material)	list of all of assemblies, sub-assemblies, components, parts and raw materials, and product structure information for products with necessary quantity
BCR (Barcode Reader)	Barcode reader
ETR (Export Run)	Export run
ETC (Export Completion)	Export completion
GR (Gross Requirement Planning)	Gross requirement planning
MOQ (Minimum Order Quantity)	Minimum order quantity
MRP (Material Requirements Planning)	Release reservation (Material requirements planning)
M/W (Middleware)	software that connects multiple computers with many processes to allow a service, using network
P/L	Product list
P/N	Product number
PO (Purchase Order)	Purchase order
POH (Projected on Hand)	Expected inventory
Shelf State	Shelf state
Shelf Type	Shelf type
S/N (Serial Number)	Serial number
SR (Scheduled Receipt)	Re-warehousing

II. Arrangement of Terms

Terms	Explanations
TID (Tag ID)	each part's or material's unique management number
over-and-short	amount of current quantity over or less, compared to optimal quantity
inside diameter	product's inner diameter
Release	taking the product out
insufficient materials	amount of demand quantity over available quantity
useless materials	parts or single product that are not as useful anymore due to production alteration or suspension.
demand quantity	demand quantity(pure demand quantity)
external diameter	product's outer diameter
remaining amount	amount that is left
optimal inventory	residual quantity that can most economically satisfy its demand

FCC Instructions

FCC Compliance Statement(Part 15.19 (3))

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Interference Statement(Part 15.105)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is approved with 57 antennas attached as documented. Additional co-location evaluation test will be needed when transmitting with multiple of these devices.