

Work Inspection Camera

RICOH SC-20

Operational Flow of the **Work Inspection**

Introduction [Important]

User IDs for SC-20 come in two types: **admin** and **worker**,

and the capabilities and enactment of the SC-20 system differ depending on the ID used to log in.

All setting operations, including the creation of work IDs and setting of judgment conditions, as well as initial settings, should be conducted while in **administrator mode**. However, during the actual operation, it is recommended that the operator always log in with the **worker's** user ID (“worker mode”)

The operator mode of SC-20 is detailed in this document's flow description.

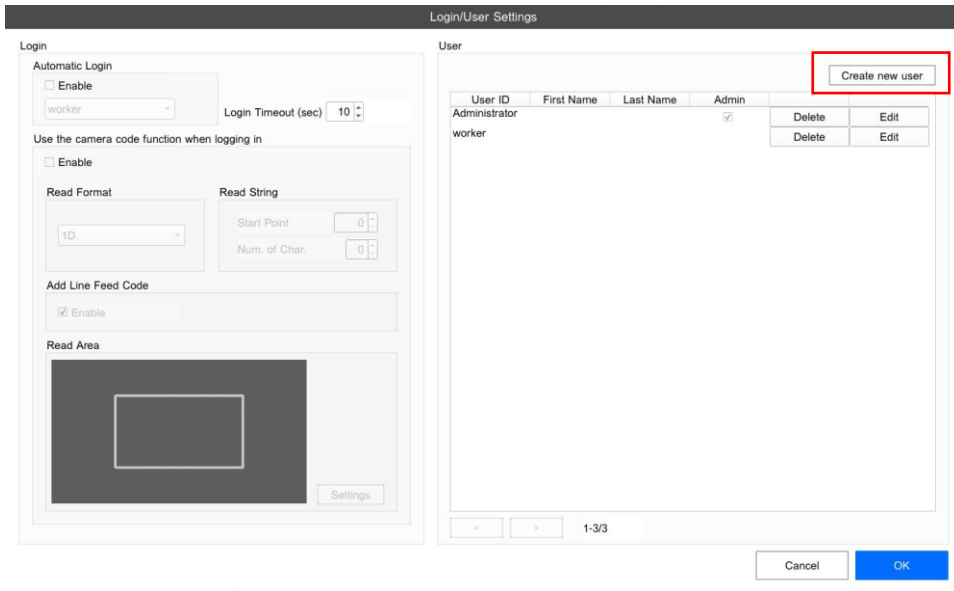
1. Main differences between the administrator mode and the worker mode

The main differences between the administrator mode and the operator mode are as follows. In particular, the operator mode is designed to facilitate smooth execution of work inspections as described below.

	Administrator mode Flow when entering a login ID with administrative privileges	Worker mode Flow when entering a login ID that has not been granted administrator privileges
Login	<ul style="list-style-type: none">• Please log in with a user ID that has been granted administrator privileges.• Password is required to log in.• The main screen will appear as soon as the user logs in.	<ul style="list-style-type: none">• Please log in with <u>a user ID that does not have administrator privileges.</u>• No password is required.• Once logged in, <u>inspections will begin automatically</u> by entering the work ID and work number.
Various settings	<ul style="list-style-type: none">• All functions such as settings and operation checks are available.	<ul style="list-style-type: none">• <u>Cannot touch any settings</u>
Inspection	<ul style="list-style-type: none">• The inspection flow will stop every time a cycle is completed.• The work ID must be selected each time an inspection is executed.	<ul style="list-style-type: none">• When one cycle is completed, <u>the next inspection cycle will automatically begin.</u>• The work ID will remain the same as the one entered when logging in.

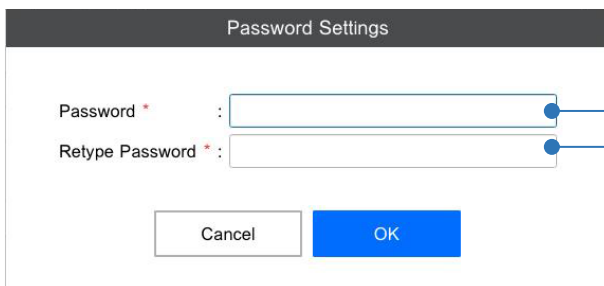
2. Creating a User ID

User IDs may be created in the “Login/User Settings” in administrator mode. Please create a “worker ID” for each worker whenever operating a work inspection.



- Set the user ID within the 1~32word limit *.
- Set the user’s first name within the 1~32word limit.
- Set the user’s last name within the 1~32word limit.
- When this box is checked, the user will be registered as a user with “administrator” privileges.

By turning this off, the user will be registered with an ID for “workers”.



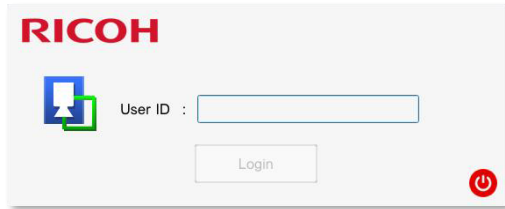
- For administrator use,
- Set the login password within the 1~32word limit.
- *Required

* Characters such as [¥ / : * ? “ < > |] cannot be used in the user ID. Also, spaces or periods cannot be used as the start and end of the ID.

3. operator mode operation flow

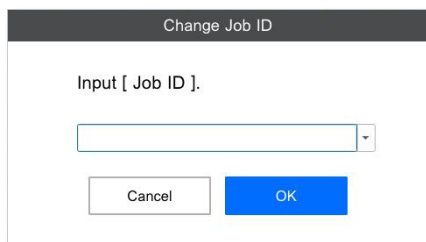
In operator mode, the operation flow is as follows

(1) Login



Enter the User ID to log in.

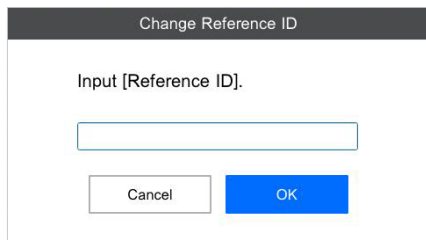
(2) Enter job ID



Enter the work ID assigned with the inspection process you want to conduct.

The inspection process will automatically start.

(3) Enter Reference ID



Starting the inspection flow

To manage the reference IDs, please enter them here.

* You may skip this step (refer to the next page).

(4) Inspection



Once the inspection starts, it continuously repeats its process automatically.

* For details on the flow during the inspection, please refer to the reference document "Work Inspection Decision Flow".

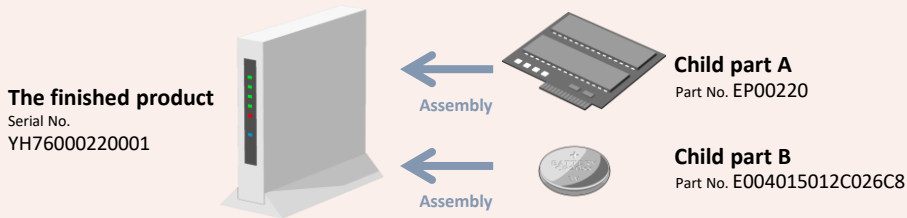


[Consultation] About Reference ID

Reference IDs are for when you want to set and manage a unique identifying number for each inspection cycle.

By entering individual information such as the serial numbers, you may leave the information in the work log and used them for traceability.

Usage Example of Reference ID



Leave logs of unique identifying numbers for each assembly operation.

A screenshot of a dialog box titled 'Change Reference ID'. It has a text input field containing 'YH76000220001' and two buttons: 'Cancel' and 'OK'.

Enter the serial number of the finished product in the reference ID section ※

A screenshot of a data input form. It shows a 'Mode' dropdown set to 'Data Input' and a 'Part No.' field containing 'BD110124'. Below this, another 'Part No.' field contains 'EP00220'. A third 'Part No.' field contains 'AB010011'.

Enter the serial number of each child parts in the part number section ※

- * You may input data with a barcode reader.
Entering data through Barcodes/two-dimensional codes and OCR with the SC-20's camera is also possible when you install the optional functions.

Both the serial number of the finished product itself, and the serial number of the child parts are preserved in log data .

Both the serial number of the product itself and the serial numbers of the child parts are recorded in the log data.

1	2	3	4	5	6	7	8	9	10	11	12	14	15	20	21	
Type of log (=1: Camera log) (=2: Job result log) (=4: Job ID result log)	Year, month, day	Time	Job ID	Reference ID	User ID	Instruction step name	Instruction item name	Standards (sec)	Elap sed time (sec)	Inspection step mode (=Matching)	Inspection step judgment result (1=OK, 2=FAIL)	Checkpoint ID	Checkpoint matching result (1=OK, 2=FAIL)	Matching processing time (Insec)	Score for color matching	
1	2025/2/3	15:23:42	Start													
2	2025/2/3	15:23:42	YH76000220	YH76000220001	worker	Work_1	Item_1	10	0	Matching	OK		1	OK	263	1
2	2025/2/3	15:23:42	YH76000220	YH76000220001	worker	Work_1	Item_1	10	0	Matching	OK		2	OK	240	1
2	2025/2/3	15:23:46	YH76000220	YH76000220001	worker	Work_2	Item_1	5	3	Data input	OK		EP00220			
2	2025/2/3	15:23:46	YH76000220	YH76000220001	worker	Work_3	Item_1	10	0	Matching	OK		1	OK	255	0.999
2	2025/2/3	15:23:51	YH76000220	YH76000220001	worker	Work_4	Item_1	5	4	Data input	OK		E004015012C026C8			
4	2025/2/3	15:23:51	YH76000220	YH76000220001	worker	OK										
1	2025/2/3	15:24:10	change S/N													
1	2025/2/3	15:24:11	Start													
2	2025/2/3	15:24:11	YH76000220	YH76000220002	worker	Work_1	Item_1	10	0	Matching	OK		1	OK	224	1
2	2025/2/3	15:24:11	YH76000220	YH76000220002	worker	Work_1	Item_1	10	0	Matching	OK		2	OK	217	1
2	2025/2/3	15:24:14	YH76000220	YH76000220002	worker	Work_2	Item_1	5	2	Data input	OK		EP00220			
2	2025/2/3	15:24:14	YH76000220	YH76000220002	worker	Work_3	Item_1	10	0	Matching	OK		1	OK	256	0.999
2	2025/2/3	15:24:19	YH76000220	YH76000220002	worker	Work_4	Item_1	5	4	Data input	OK		E004015012C026C8			
4	2025/2/3	15:24:19	YH76000220	YH76000220002	worker	OK										
1	2025/2/3	15:24:26	log out													
1	2025/2/3	15:24:34	Login													

If you do not want to use reference IDs, you may skip the process of entering them during the inspection by making the following settings in the “Preset Settings” through administrator mode.

Preset Settings

Job ID

- Disable blank Job ID
- Display the Job ID input dialog when the work flow is completed
- Enter Job ID and Reference ID at the same time
- Use a fixed Job ID
- Use the camera code function for input
- Enable Job ID Input Range

Extraction Start Point

Num. of Extracted Char.

Reference ID

- Use a fixed Reference ID
- Use the camera code function for input

By making either of these settings, you may prevent the reference ID input screen from appearing.