

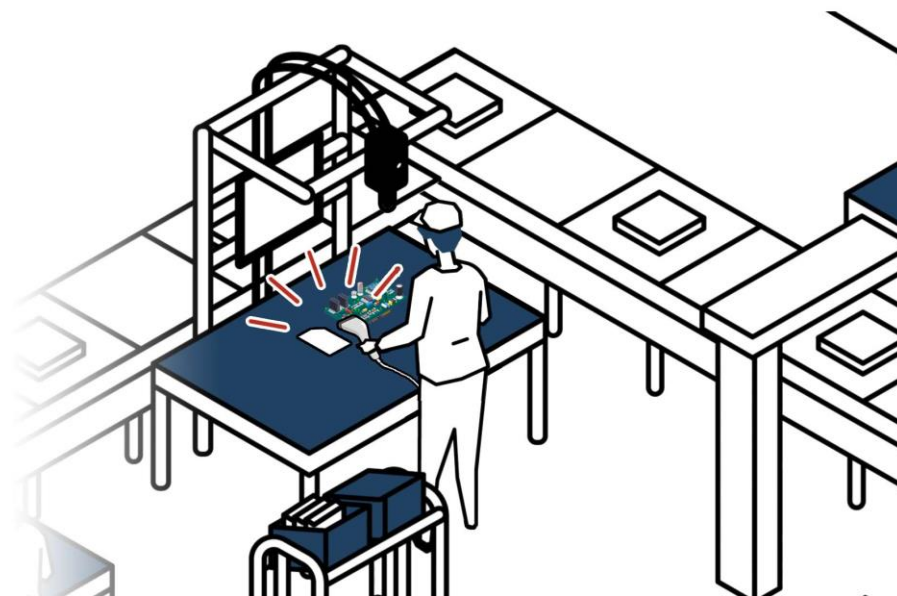
Work Inspection Camera

RICOH SC-20

- Barcode Reader
- Data input mode

Example of utilization

RICOH
imagine. change.



Utilization of barcode reader

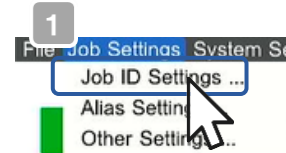
The SC-20 allows the use of a barcode reader to replace keyboard input of operator IDs, work numbers, and part numbers, as well as Job IDs that require selection operations.

The barcode reader supports a USB interface-compatible type (see [p7](#)), which can be connected to the SC-20 for various data input.

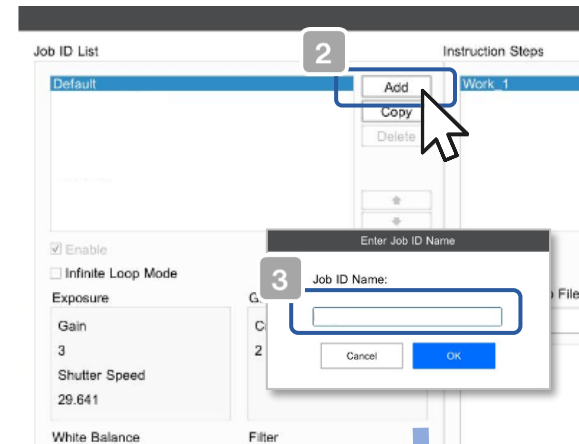


Setup Procedure (Creation of Job ID)

1 Select "Job ID Settings" from the "Job Settings" menu bar.



2 Create a new Job ID from the "Add" button in the Job ID List.

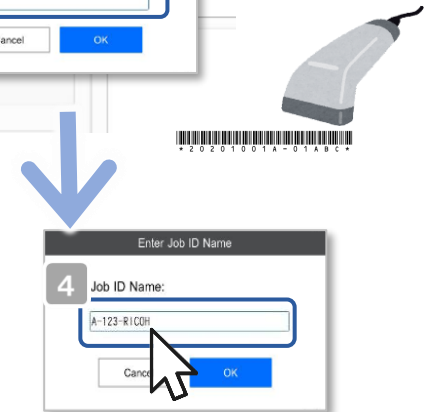


3 Enter the name to be entered as the Job ID in the "Enter Job ID Name" dialog box using the barcode reader.

e.g.) **A-123-RICOH**  (code39 barcode)

4 Press "OK" to register the Job ID.

5 Use the Job ID " **A-123-RICOH** " to set up the subsequent workflow.



Setting procedure (in case of Data input mode ①)

1 In the "Inspection Steps" on the right side of the "Job ID Settings" screen, select "Data Input" from the "Mode" pull-down menu while the target work item is selected.

2 Enter the part number in the "Part No." field using the barcode reader.
e.g.) S/N **A-01ABC**



3 Enter the same number in the "Comparison" and "String" fields with a barcode reader.
e.g.) S/N **A-01ABC**



4 Click the "Apply" button and close the window. This completes the registration of the part number "A-01ABC".

Inspection Steps

Item 1	Add
Item 2	Copy
	Delete
	↑
	↓

1 Mode Data Input ▾

2 Part No. A-01ABC

Time Disable

Standard (sec) 30

Limited (sec) 60

Comparison

Start Point 0

Num. of Char. 0

3 String A-01ABC

Save Image OK fail

External Output

OUT0 OUT1 OUT2

OUT3 OUT4 OUT5

Input Method

Manual Input Code Input OCR

4

Setting procedure (in case of Data input mode ②)

In the data input mode, you can specify the starting position/number of characters/string in the "part number" (barcode).

Example: Skip the 8-digit number "20201001A-01ABC" and register only "A-01ABC" of 7 characters after "A".

1

Enter the part number in the "Part No." field using the barcode reader.

20201001A-01ABC



2

Keyboard input of "start position", "number of characters", and "string" for "comparison".

- Starting position : 8 (Delete the 8th digit and start from the 9th digit)
- Number of characters : 7 (Register 7 characters)
- Character string : A-01ABC

3

Click the "Apply" button to close the window. Now the 7-digit string "A-01ABC" after the 9th digit "A" is registered.

Inspection Steps

Item 1	Add
Item 2	Copy
	Delete
	↑
	↓

Mode Data Input ▾

1 Part No. 20230101A-01ABC

Time Disabled

Standard (sec) 30

Limited (sec) 60

Save Image OK fail

External Output OUT0 OUT1 OUT2
 OUT3 OUT4 OUT5

Input Method Manual Input Code Input OCR Settings

2 Comparison

Start Point 0

Num. of Char. 0

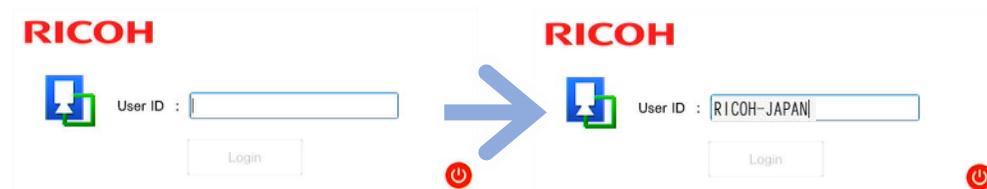


String A-01ABC

3 Apply

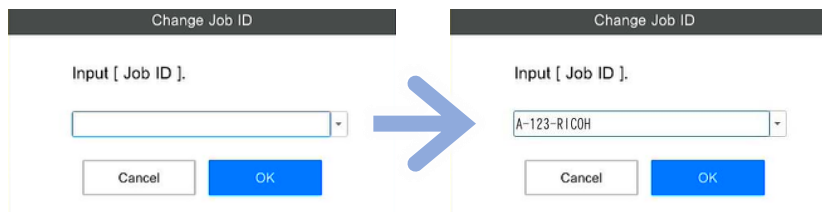


How to use (Log in → Start working)

The worker can use the barcode reader to input information from login to start of work as follows.

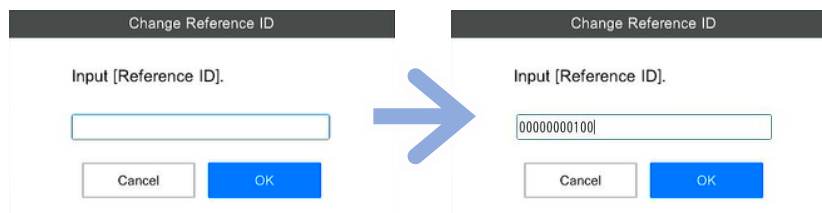
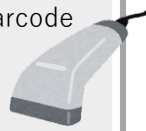

1 At the login screen, scan the barcode of the worker's user ID to log in.



2 In the "Change Job ID" dialog, scan the barcode for the Job ID.



3 In the "Change Reference ID" dialog, scan the barcode for the Reference ID. The flow will start automatically thereafter.



※ The same usage is applied when entering part numbers in the data input mode.

■ Language support: Alphanumeric and symbolic input supported

- ✓ Japanese input is not supported.
- ✓ The following characters cannot be used in the "String" field. The following characters cannot be used in the "String" field: ":", "/", "¥", "|", "*", "? ", "", "<", ">", "*", ">", and ">".

■ External interface

- **USB Type-A** × 1 : USB3.0 Super Speed (Host)
- **USB Type-C** × 1 : USB3.0 Super Speed (Host)
- ※ Supported Classes : USB-HID、USB-Mass Storage、USB-Audio
- ※ Bluetooth-connected barcode readers cannot be used.

■ Operating Instructions

- ✓ 『RICOH SC-20 Operating Instructions Rev1.2.0』 See [P43](#) and [P56](#).

Optional function

With the SC-20, optional (paid) 1D/2D code function and OCR function are available to eliminate the need for a barcode reader.

The 1D/2D code function allows the SC-20 camera to read and enter bar codes and QR codes (1D and 2D codes).

Items that can be entered with the ID/2D code function

- [User ID] input at login
- Data input for work items (data input mode) in the workflow
- Input of [Job ID] and [Reference ID] during workflow execution

In addition, in the data input mode, the OCR function enables character information to be read by character recognition, making it possible to easily record product model names and serial numbers on the work log.

❌ For details of this function, please refer to [RICOH SC-20 Operating Instructions](#)
See “16.Enabling the Option Functions”.

