New!

OMRON

Screen Designer for NS Series

CX→Designer

NS-CXDC1-V1

CX-Designer – Brand new screen Designer for NS-series PTs.
Greatly reduces the effort of creating screens.

realizing

CX-One

The NS-series Screen Designer Now
The integrated development environment

- **Addresses for screen objects can be set referring to newly added Symbol Tables. Work hours spent setting addresses can be greatly reduced by importing CX-Programmer Symbol Tables.**
- **The project Workspace and Output Window are used for the user interface just as with the other Support Software packaged in the CX-One.**
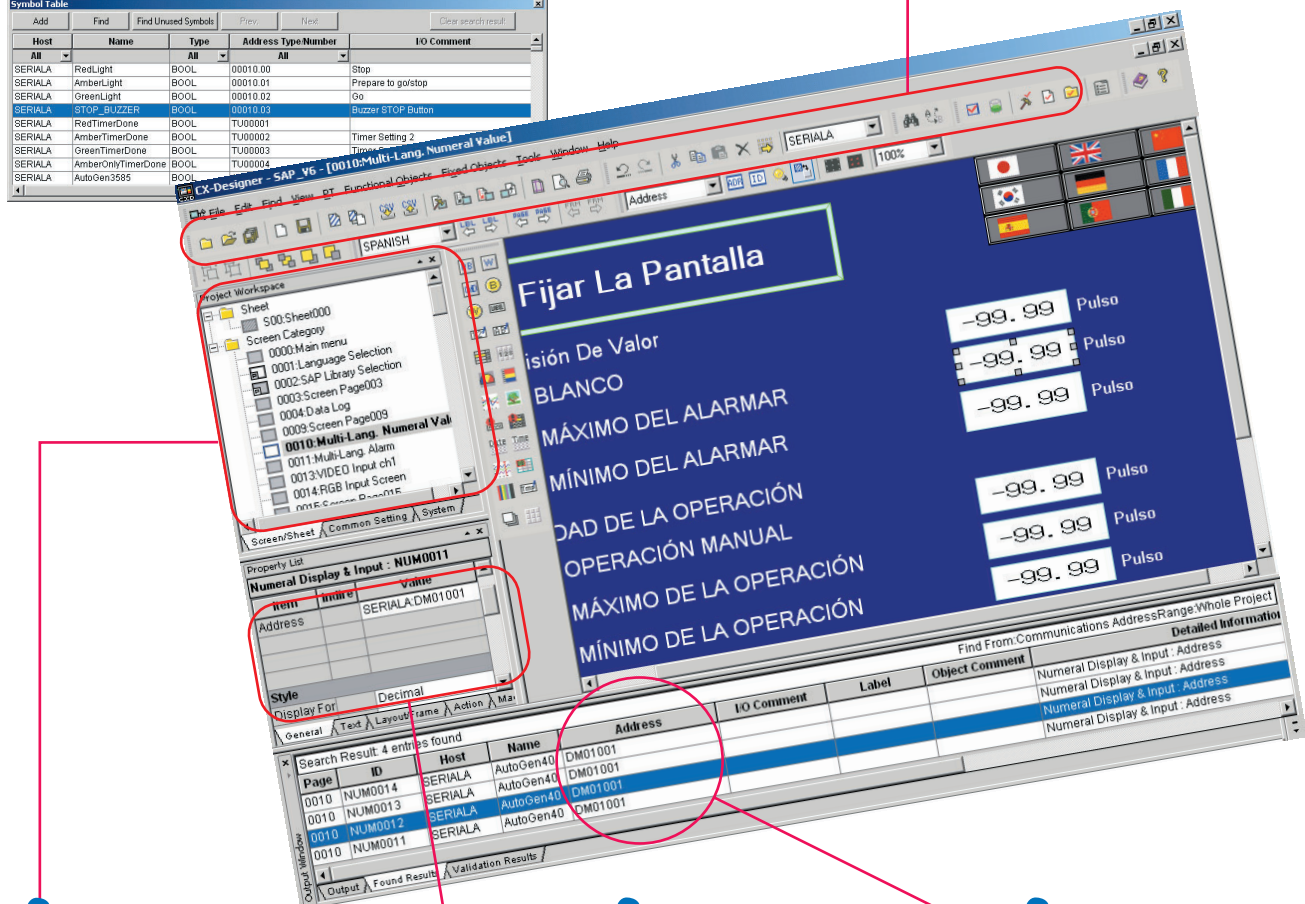
User Interface with the Utmost in Efficiency

All addresses and comments can be managed using a single Symbol Table.

Shows a list of addresses, names, and comments used in project screen data. Addresses, names, and I/O comments for the CX-Programmer can also be imported.

Improved Icons and Help

The project Workspace enables the user to look through the entire project.

- Screens you want to edit can be opened right away.
- Perform screen management, such as copying or deleting screens, by simply right-clicking.
- Reusing screens from other projects is easy with the CX-Designer.
- Settings for alarms, data logs, communications, and other functions can be easily accessed.

Drastically reduce the number of clicks in the project.

Just click on the object once to display or change properties. Multiple objects can be selected to display and change shared properties all at once.

The Output Window shows search results.

In addition to addresses and I/O comments used in screen data, labels can also be used as search strings and the results can be displayed.

Renewed as the CX-Designer
greatly reduces the effort of building screens.

Do You Type Addresses Twice When Creating Ladder Programs and Screens?

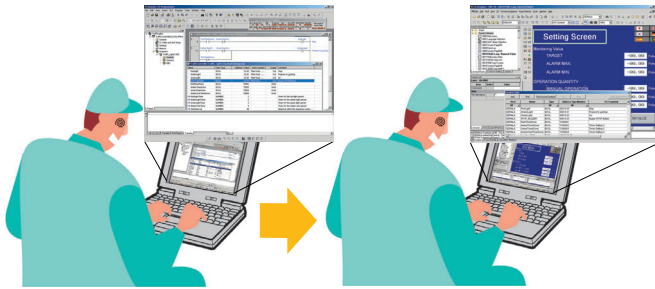Previously, creating screens required typing in addresses for lamps and switches while looking at symbol tables (i.e., addresses, names, and comments). This resulted in typing mistakes in addition to having to input addresses for buttons and lamps twice. Importing the symbol tables solves the problem of wasted effort and typing mistakes to greatly reduce labor spent designing screens.

Import Symbol Tables from CX-Programmer

Symbol tables used in the CX-Programmer can be imported into the CX-Designer, eliminating the need to type addresses twice. Also, allocation errors are prevented by allocating addresses from the symbol table list without re-typing them.

Drag & Drop!

Example of Easy Address Allocation

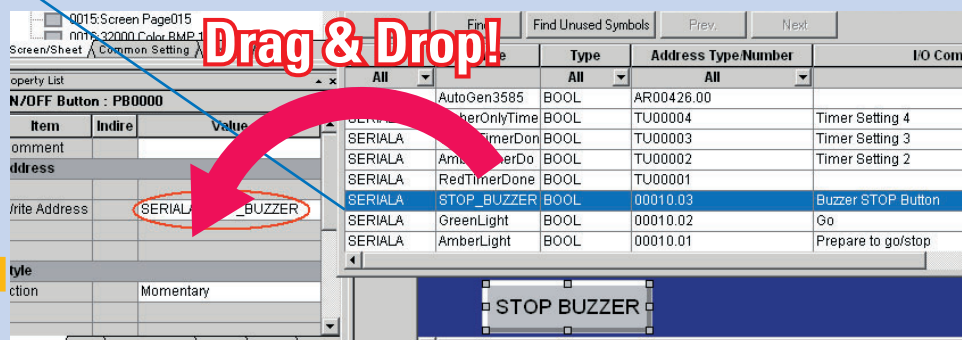❶ Create a switch on the screen.

STOP BUZZER

❷ Check the comment then drag-and-drop the symbol from the symbol table to the property list.

GreenLight	BOOL	00010.02	Go
STOP_BUZZER	BOOL	00010.03	Buzzer STOP Button

❸ Allocations for buttons and lamps can also be checked on the screen using comments imported from the CX-Programmer.

Drag & Drop!

CX-Designer

A variety of newly added functions greatly improves editing, reusing, and search functions for screens and objects.

Reusing Screens and Objects Is Troublesome.
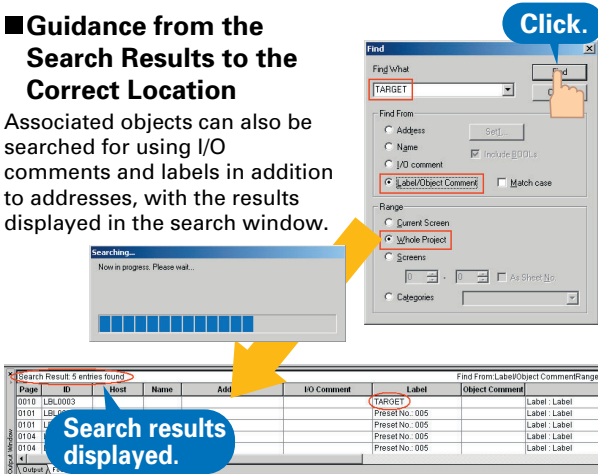
■Easily Reuse Screens and Objects

Screens can be easily reused between projects by dragging and dropping them. Changes to allocation information, such as changing the screen number for the screen switch button after reuse, is minimized.
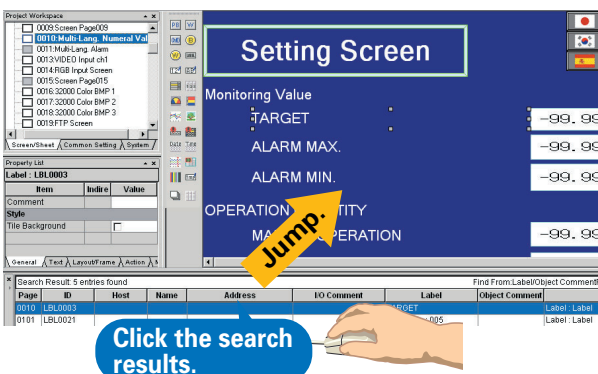
Project B
Project A
Drag & Drop!
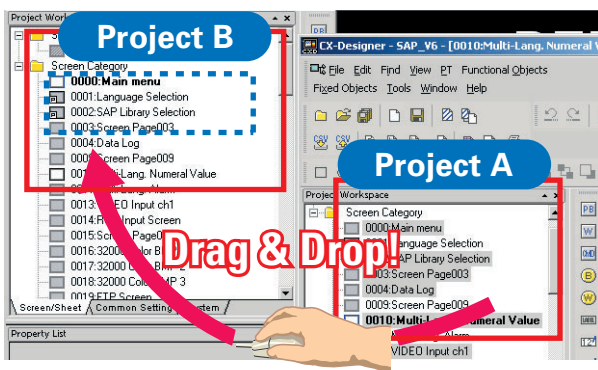
Finding the Screen to Edit from among Many Screens Is Troublesome.

■Guidance from the Search Results to the Correct Location

Associated objects can also be searched for using I/O comments and labels in addition to addresses, with the results displayed in the search window.

Click.

Search results displayed.

Setting Screen

Monitoring Value
TARGET
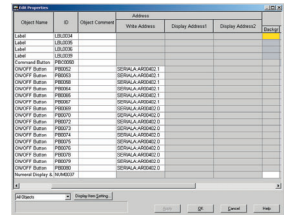ALARM MAX.
ALARM MIN.
OPERATION QUANTITY
MAX. OPERATION

Jump.

Click the search results.

## Setting Each Object on the Screen One by One Is Troublesome.

■Edit Properties
• Show a list of the objects on the screen and easily edit the display.
• Properties shared even by objects of different types can be extracted and changed collectively.

Editing Overlapping Objects Is Troublesome.

■Select Object List
• Overlapping objects can be selected.
• Use the display filter to display only the desired objects.
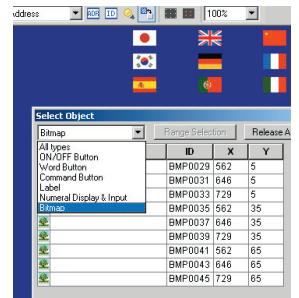
Transferring All Screens Was Required Even Though a Few Screens Were Changed…

■Quick Transfer

Previously, all screens had to be transferred even if only a few communications settings or alarms were changed. The quick transfer function automatically identifies the change and transfers only the changed screens.
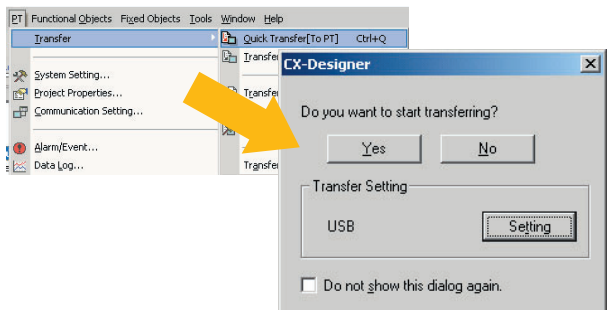
What?
The tool changed?
But I was used to the old tool!

The Same Easy Operation

The previous easy operation has been retained, so object dialog boxes, alarms, and other objects can be set as easily as before.

Using the CX-Designer reduces the time spent on creating screens from 23 minutes to 4 minutes 35 seconds.

Customer Requests

The CX-Designer greatly reduces design time.

Reusing existing screens takes time.
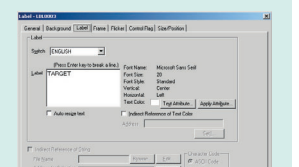
Existing screens are reused to improve design efficiency, but each screen must be imported individually and alarm settings must be imported.

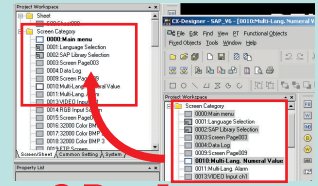**Incorporating ten pages and setting the alarms required 6 minutes.**

6 minutes reduced to 1

Multiple projects can be started at the same time.

Start the multiple projects, select the screens to be reused, and simply drop them where they will be reused. Multiple screens and alarm settings can be imported in one operation.

Drag & Drop!

6 times as fast

Completed in 1 minute with the CX-Designer.

Multiple objects can't be changed all in one batch.

Shared settings, such as the frame color and interlock addresses for numeric inputs, must be changed after importing screens. Changing 36 addresses and colors one by one is a hassle.
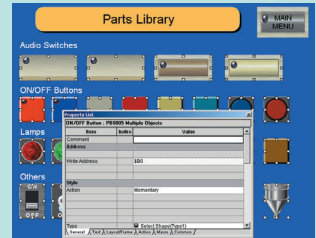
6 minutes required to change 36 items.

6 minutes reduced to 20 seconds

Changes can be made all in one batch in the property list.

When 36 objects are selected as a group, the shared properties of those objects will be displayed in the property list. When the address or frame color is changed in the property list, they are instantly changed for all the objects.

18 times as fast

Completed in 20 seconds with the CX-Designer.

Inputting addresses is a hassle.

Addresses for the touch panel were typed into the PLC but the same addresses has to be typed again into the screen creation tool.
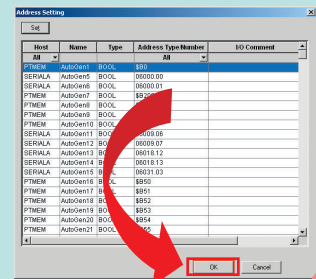
6 minutes required to input 36 addresses.

6 minutes reduced to 3

Addresses can be directly selected from symbol tables.

The CX-Designer can import PLC symbol tables. Simply select the address input from the symbol table list and click the OK Button. I/O comments are included, so address selection is easy.

Twice as fast

Completed in 3 minutes with the CX-Designer.

Creating screens is a hassle.

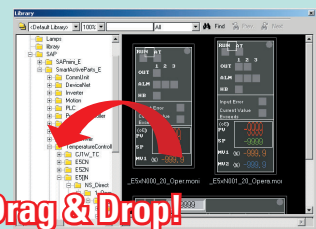There's not enough time to create screens. And, debugging is a hassle . . .

Just creating a Temperature Controller faceplate takes 5 minutes.

5 minutes reduced to 15 seconds

Creating screens is easy with the Smart Active Part library.

Select the Smart Active Part in the library and simply drag and drop it. The Smart Active Parts are produced by OMRON, so debugging is not required.

Drag & Drop!

20 times as fast

Completed in 15 seconds with the CX-Designer.

The figures above are reference values based on comparisons made by OMRON. CX-Designer version 1.0 was used for the measurements. Actual figures may vary with the computer's operating environment.

■ Standard Models

Name	Specifications		Model
CX-One FA Integrated Tool Package Ver. 1.1	The CX-One is an integrated tool pack that provides programming and monitoring software for OMRON PLCs and components. The CX-One runs on any of the following operating systems: Windows 98 SE, Me, NT 4.0 (Service Pack 6a), 2000 (Service Pack 3 or higher), or XP. CX-Designer version 1.□ is included in the CX-One. Refer to the CX-One catalog (R134) for details.	1 license	CXONE-AL01C-E
		3 licenses	CXONE-AL03C-E
		10 licenses	CXONE-AL10C-E
		30 licenses	CXONE-AL30C-E
		50 licenses	CXONE-AL50C-E
	The CX-Designer can also be ordered individually using the following model number.		
CX-Designer Ver.1.□	OS: Window 98 SE, Me, NT 4.0 (Service Pack 6a or higher), 2000 (Service Pack 3 or higher), or XP. The Ladder Monitor Software is included.	One license	NS-CXDC1-V1

Site licenses are also available for users that need to use the CX-One on many computers.
Ask your OMRON representative for details.

■ CX-Designer Operating Environment

Recommended CPU	Pentium 3, 1 GHz MHz min. required
Recommended memory	256 Mbytes min.
Hard disk free space	700 Mbytes are required at setup. (See note.)
CD-ROM drive	Required for installation.
Display	A minimum resolution of 800 x 800 pixels is recommended.
Compatible OS	Windows 98 SE, Me, NT 4.0 (Service Pack 6a), 2000 (Service Pack 3 or higher), or XP

Note: Approx. 1.8 GB of available hard disk space is required to install the CX-One.

Precaution on CX-Designer Operating System
The CX-Designer will not run on Microsoft Windows 95 or on operating systems with service packs older than those given in the system requirements. If you are using Window 95 or an older service pack than given in the specifications, you must upgrade your operating system before installing the CX-Designer. The required system and hard disk free space depend on your system environment.

This catalog mainly provides information that is necessary for selecting suitable models, and does not contain precautions for correct use. Always read the precautions and other required information provided in product operation manuals before using the product.

● The application examples provided in this catalog are for reference only. Check functions and safety of the equipment before use.
● Never use the products for any application requiring special safety requirements, such as nuclear energy control systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, or other application involving serious risk to life or property, without ensuring that the system as a whole has been designed to address the risks, and that the OMRON products are properly rated and installed for the intended use within the overall equipment or system.

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Note: Do not use this document to operate the Unit.