**The future-proof, compact HMI**

Give more value to your machines with Omron's NB Series: compact range application HMI.
Enjoy his the aesthetic sense and excellent visibility.
Our expertise in Factory automation give you warranty of quality and a total freedom to build up optimal applications.
Newly added remote control features help to reduce the time and work involved in maintenance.

**Enjoyable to use**

The newly added remote control features significantly save you time, and the flexible design features make screen creation easier.
All these features greatly contribute to your global scale business.

**Global support from local site**

**Flexible remote access function [NEW]**

Besides conventional web browsers, now NB Series supports faster and secure Virtual network computing (VNC), providing exible remote access.



[Please click image to enlarge (open in a new window).](#)

**Powerful remote operation [NEW]**

With the newly added features such as FTP Server and CSV data-copying features, you can change machine parameters from remote locations or host PC, and collect production data.
Now graphics can be updated even during the operation, and visual can be changed without stopping the HMI following changes in machines and recipes.
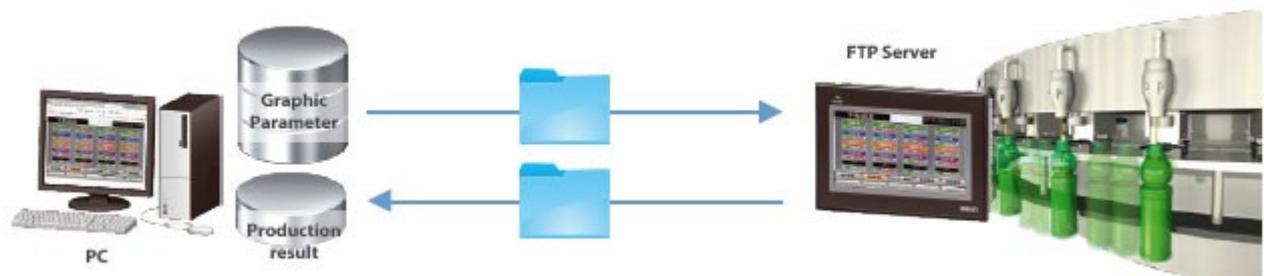


**Easily create intuitive operator screens**

**Flexible window handling**

NB Series easily creates screens for your project.
Besides the standard window, you can also create 'window-in window'. Furthermore, it also supports bottom windows and transparency for pop-up windows.

## Easy animation

Animations can be created easily. For example, you can show a different status with text and graphics, or move the components while changing them. This easy animation feature makes the operation easier to understand and eliminates the need for expertise.
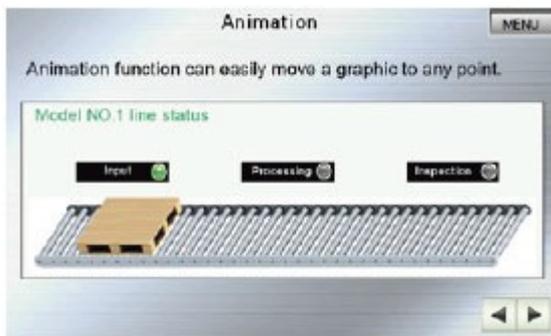


## Extensive language support

Thanks to the supported 32 languages and Text Library function, you will find it easy to manage texts in multi-language.
This allows users to operate the HMI in the language they choose.
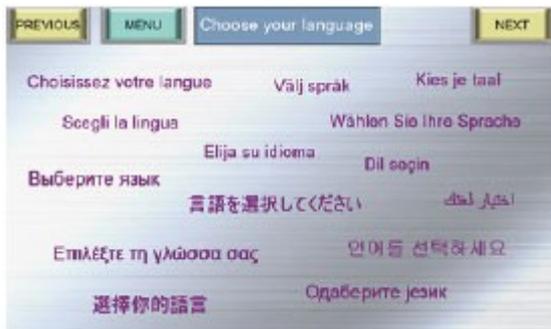


## Powerful macros

Thanks to its powerful macros, you can perform calculations and comparisons or iterations, and mathematical functions.
It also enables you to do even more.
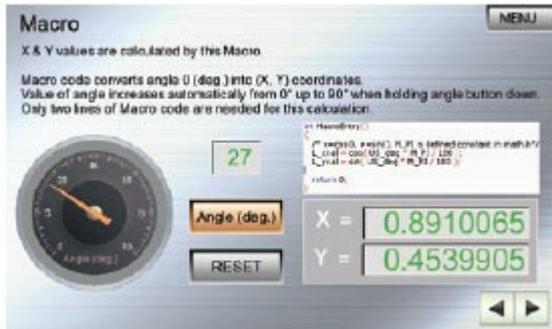
**Pleasant to program**

**Ready to use functions for your machine**

The feature-rich NB series has everything you will need for creating applications for a wide range machines and in many industries, for example, packaging, food, plastics and textiles. From a simple lid placing or loading/unloading machine right up to an in-line filling or sealing /labeling packaging machine. Download free of charge NB-Designer software from Omron web site.

**Always informed about alarms**



Event monitoring (alarming) is both flexible and easy to use. Not only do you have the possibility to enter bit and word alarms for on/off or on-condition triggering, there is also the possibility to use different fonts and color to indicate varying degrees of status and priorities. Specific alarms are indicated with an audible buzzer sound, as well as by an accompanying text message, and you can even create pop-up alarms for situations where immediate action has to be taken.

**Easy data presentation**



Graphical representation of real-time and historical data is easy with the NB series. As well as display of time sampling and trending data, you have the option to save sampling data (max. 16 consecutive words) of basic real-time trending data. And you can plot using x/y coordinates, in which case sampling can be done via single or multiple points and with historical data. Furthermore, data can be presented in a variety of ways, such as sampling points using x and y components.

**Multiple security options**



Protecting your developed project with a password using the NB series is both a simple and secure matter. Among the comprehensive security options is the possibility to define up to 16 minimum security levels on screens, buttons and inputs, and you can set up to 32 specific permission controls for each operator. There is also a register condition (bit/word) control for a check of actual condition against a predefined value, and a standard operator confirmation check to confirm that critical actions have been performed by the operator.

**The perfect partner for Omron devices**

Omron Compact controllers perfectly match your specific automation requirement and connection to the NB series is possible via Serial or Ethernet.
Ethernet protocols, FTP or VNC make easy remote access for maintenance or data gathering and allows digitalisation of your machine.