

Uniloy is proud to present this month's web posting which features a list of the most popular original Human-Machine Interfaces (HMI's) used on Uniloy and Liberty Reciprocating Screw Blow Molding machines. This posting also includes the current availability of the original HMI's and in cases of obsolescence, provides Uniloy's solution for HMI replacement.

**Recommended HMI replacements are listed in the table below:**

Machine Type	PLC	Original HMI	Recommended Replacement	Notes
Liberty	Omron C20/C40/C60	Quickpanel SmartTouch	PLC and HMI	<a href="#">See Controls Web Posting</a>
	SLC500-Series	Quickpanel SmartTouch	PanelViewPlus 1000	Cutout Alteration Required
Uniloy Recip.	B&R	B&R PC720	B&R PC720	Active Product
	Compact Logix	PanelView PanelViewPlus	PanelViewPlus (sizes available)	Upgraded Active Product
	Control Logix	VersaView	Versa View	Active Product
	MACO	MACO	. PLC and HMI	<a href="#">See Controls Web Posting</a>
	S7	Op-3 Op-73	Op-73	Active Product
	SLC100	DTAM TCAT	PanelViewPlus 400/700	New Cutout Required
	SLC500-Series	Panelview 1000 Quickpanel SmartTouch	PanelViewPlus 1000	Cutout Alteration Required
	TI505	TP-37 MP-370	PanelViewPlus 1250	For Non-Parison Programming
	TI505	B&R APC620 OP-37 XYCOM	B&R APC620	Active Product For Parison Programming

**For all other HMI-based PLC controls, please contact Uniloy sales.**

(See end of document for Images of Original and Recommended HMI's)

## Uniloy's HMI Replacement Solutions

From the above table we see that there are three categories of HMI replacement:

- Original HMI is available – Replace with the exact same HMI
- Original HMI is obsolete – Replace with a new HMI using the existing PLC.
- Original HMI is obsolete – Replace with a new HMI and a new PLC.

### Exact HMI Replacement

When an HMI needs to be replaced, the preferred solution is an exact replacement. Uniloy stocks original HMI's, so that there are no differences in mounting or cable design. The HMI replacement package contains the same parts as the original package, including backup memory modules and storage devices, where applicable. If your symptoms point to the possibility of a communication cable failure, Uniloy can create new cables and ship them with the package.

#### **Advantages**

- Exact replacement uses identical mounting and communication cables.
- PLC and software remain unchanged.

### Direct HMI replacements

Some original HMI's have become increasingly expensive and difficult to find. For these, Uniloy offers a number of replacement options. These replacements center on the PanelView Plus and B&R screen families. In both cases, these replacements are designed to directly replace the HMI without altering the existing PLC.

PanelView Plus and B&R replacement kits include:

- The HMI
- Communication cable
- Required mounting hardware.

For storage devices not included within the HMI, Uniloy provides equivalent replacements. One example would be the Compact Flash card and separate floppy drive for XYCOM replacements.

Although replacement HMI's are selected to have similar mounting requirements, there can be variations in the cutout size.

To use a Liberty machine as an example: a SLC-based machine experiences a failure of its Smart Touch HMI. The direct replacement for this is the PanelView Plus 1000 HMI, but the new HMI requires a cutout that is two inches taller. Since this Liberty machine has the HMI mounted on the electrical cabinet door, there is no issue with increasing the cutout dimensions.

#### **Advantages**

- Direct replacement is selected for similar mounting.
- PLC remains unchanged.
- Excellent HMI quality and availability.

## HMI with PLC retrofit

Some control systems are obsolete products with no direct HMI replacements. These systems must be replaced completely by a Uniloy controls retrofit. Uniloy offers a complete line of B&R and Compact Logix control replacements. These retrofits cover a number of options from drop-in PLC replacements, to complete control cabinet rebuilds. Refer to the [Controls Web Posting](#) for a breakdown of Uniloy's control retrofit options.

### **Advantages**

- Flexible upgrade options.
- Advanced PLC controls provide a more consistent production process improving container quality & cycle time.
- Modern components maintain excellent availability.
- Certain retrofit options improve reliability, and power efficiency.

Due to the machine variation and the number of options available with any controls retrofit, Uniloy is in a unique position to optimally tailor a solution for each machine. Contact your local Uniloy sales representative for available options.

### **Sales and Service**

For more information on this product offering or any other machine upgrade, please contact your local Uniloy Parts Sales Representative. Trained Uniloy Service Representatives are available to assist in the installation of these packages at your facility.

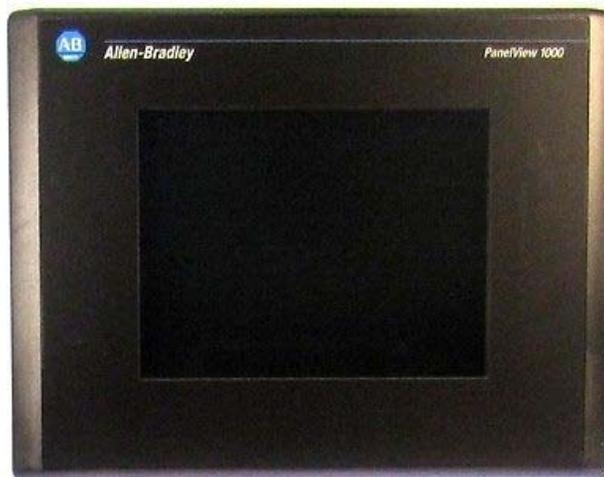
## HMI PICTURES



Quickpanel



Smart Touch



Panel View 1000



Panel View Plus 1000



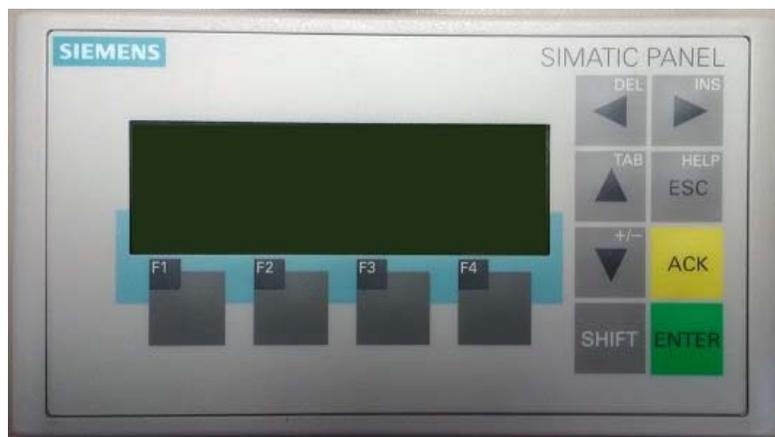
B&R PC720



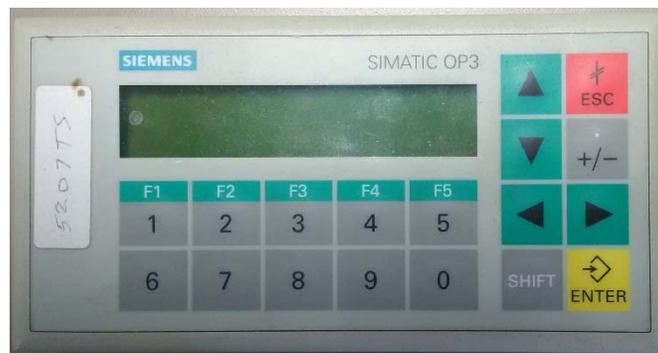
Versa View CE 300



Maco



OP-73



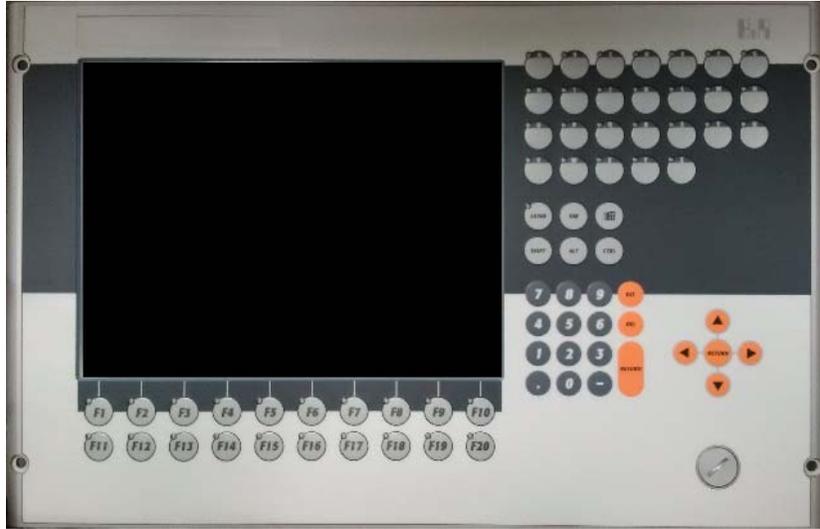
OP-3



TP-37



MP-370



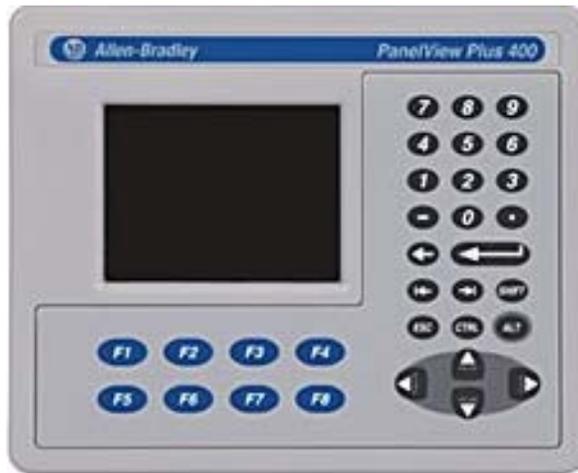
B&R APC620



OP-37



XYCOM



Panel View Plus 400



Panel View Plus 700

