

TOMITEK
ENGINEERING

Ned K - 16m

SEMI-AUTOMATIC WELDER



www.tomitek.com.au

Custom Made

Machinery and Automation

Ned-K 16 m

Semiautomatic Welder

-Work Instructions-

The NED-K 16m Semiautomatic Welder can weld plastic sheets up to 16 metres long.

To turn the welder on, first switch the power on. The display will light up and the temperature controller and the cooling pump will be switched on by default.

The light in the upper left corner of the display will be red indicating the display is not active. To activate the display, press the green button on the right side of the screen. The light in the upper left corner will now turn green.

To switch the display off, press the red button on the right side of the screen.

The length and speed of the weld as well as the temperature can be set to suit the plastic material and thickness to be welded.

The temperature can be adjusted manually from the temperature control and the rest of the welding conditions can be set using the touch screen.

The touch screen consists of a series of screen as following:

1. The Main Screen

The main screen is the screen displayed by default when the welder is switched on.



The buttons on this screen are not active unless the “Safety Check” button is pressed. *PRESS THIS BUTTON ONLY AFTER A SAFETY CHECK HAS BEEN PERFORMED TO ENSURE NO DAMAGE TO THE MACHINE OR PERSON CAN OCCUR IF THE WELDER STARTS MOVING.*

On the main screen the operator can bring the welder to the home position or can move it left or right.

To bring the welder to the home position, press “Home Pos” button. Once pressed, this button stays on and the welder moves to the right until it reaches the home position.

To move the welder to the right or to the left, press and hold the “Jog right” or “Jog left” buttons. Once the buttons are released the welder stops.

The cooling pump can also be switched on and off by pressing the “Pump On/Pump OFF” button.

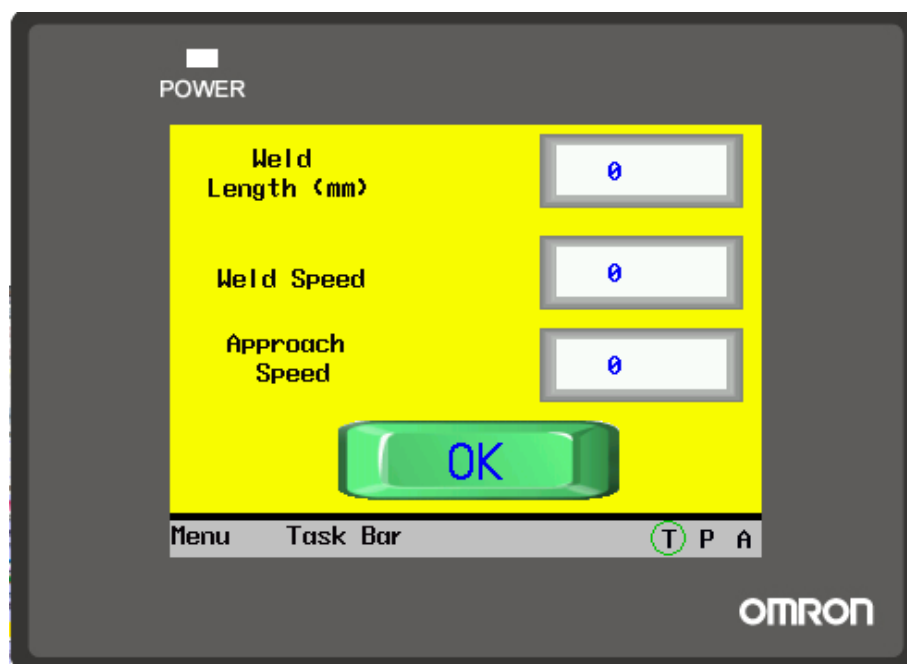
There are four other buttons on this screen “Weld”, “Sealer”, “Carriage” and “Service”. Each of these buttons when will open a new screen when pressed. Use these screen to set the welding conditions.

After the welding conditions have been set and the materials to be welded are placed and clamped on the table, press “Run Weld” to start welding.

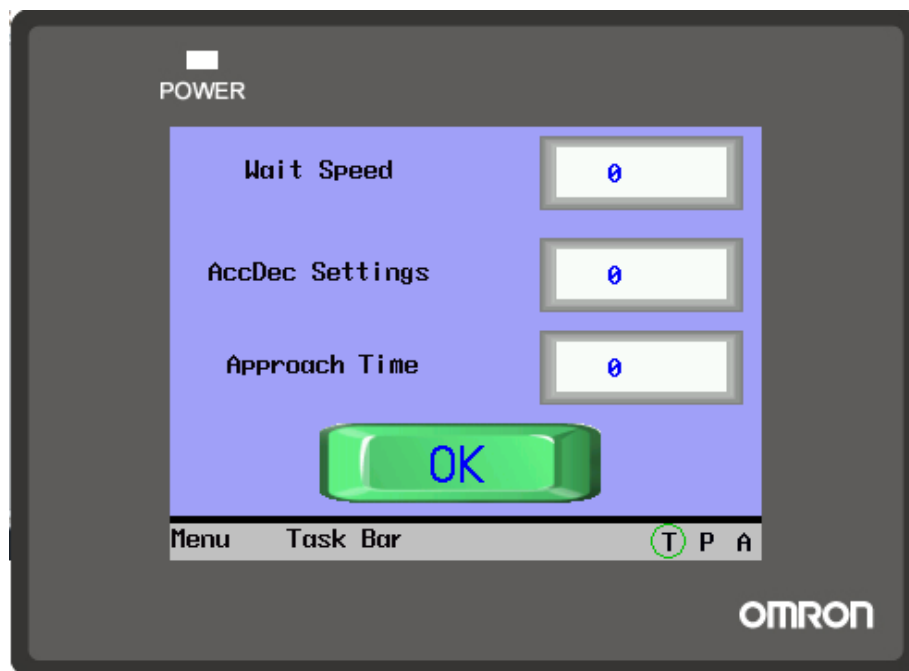
2. Weld Screen

This screen will open when the “Weld” button on the mains screen is pressed. Use this screen to set the weld length, the weld speed and the speed at which the sealer closes onto the materials to be welded (the approach speed).

Press “OK” to return to the main screen.



3. Sealer Screen

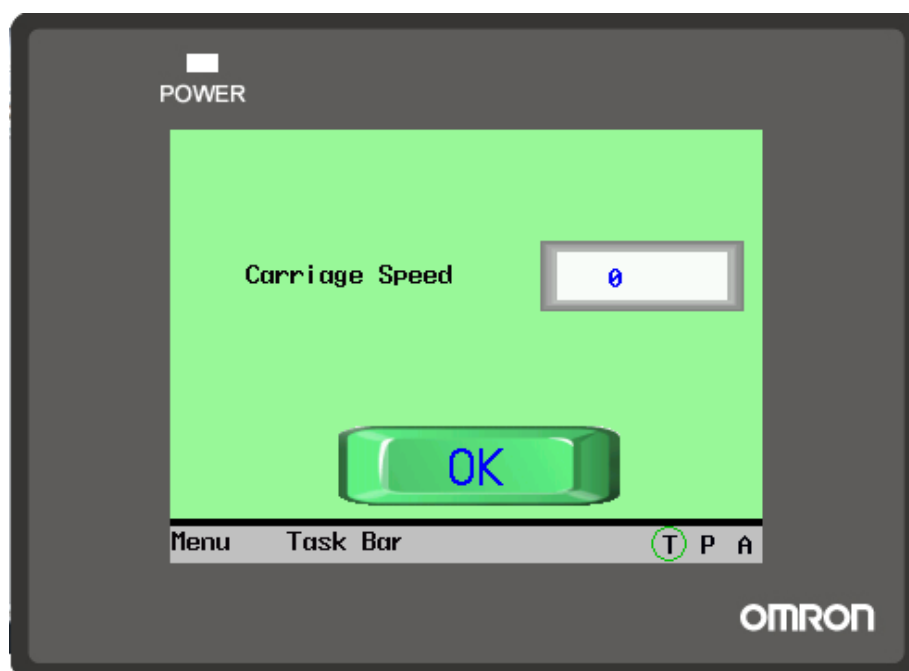


To avoid damage to the Teflon bands, the sealer starts rotating when the welder is switched off. Use this screen to adjust the speed of the sealer in the open position and its acceleration if desired.

When the “Run Weld” button on the main screen is pressed the sealer closes and after the set approach time passes, it starts moving at the weld speed. The approach time has been set to suit the distance between the sealer in the open position and the materials to be welded. In case the approach speed needs to be adjusted, use this screen to do so.

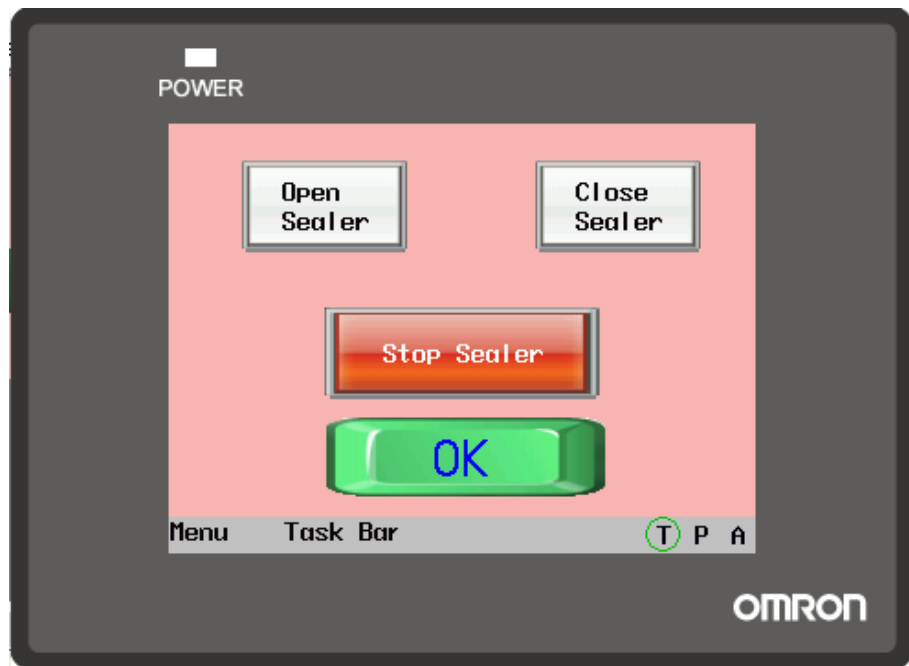
Press OK to return to the main screen.

4. Carriage Screen



Use this screen to adjust the speed at which the carriage moves to the home position and/or to the right or left when the jog buttons are pressed.

5. Service Screen



Use this screen to stop and or open and close the sealer for service purposes.