

***MicroEDGE<sup>®</sup> Pro***

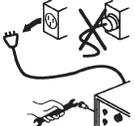
***Optional Touchscreen Installation***

**Field Service Bulletin**

***807370 – Revision 0***

***Hypertherm<sup>®</sup>***



		<p><b>WARNING</b> <b>ELECTRIC SHOCK CAN KILL</b></p>
	<p><b>Disconnect electrical power before performing any maintenance. See the <i>Safety and Compliance Manual</i> included with your system for more safety precautions.</b></p>	

## Introduction

### Purpose

This Field Service Bulletin describes how to install a touchscreen for the MicroEDGE Pro CNC.

This Field Service Bulletin applies to kit number 090094.

The following procedures require familiarity with the MicroEDGE Pro. If necessary, refer to the *MicroEDGE Pro Instruction Manual* for detailed information.

### Kit 090094 contents

Part number	Description	Quantity
	Touchscreen mounted on a flat panel	1
104451	USB interface cover	1
223017	Ground strap cable	1
223161	15 position VGA cable	1
223162	USB cable from touchscreen	1
223163	USB cable from panel mounting	1
229380	AC power cable	1
229383	EDGE Pro OEM power switch cable	1
229455	MicroEDGE Pro power switch cable	1
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## OPTIONAL TOUCHSCREEN INSTALLATION

### Touchscreen description

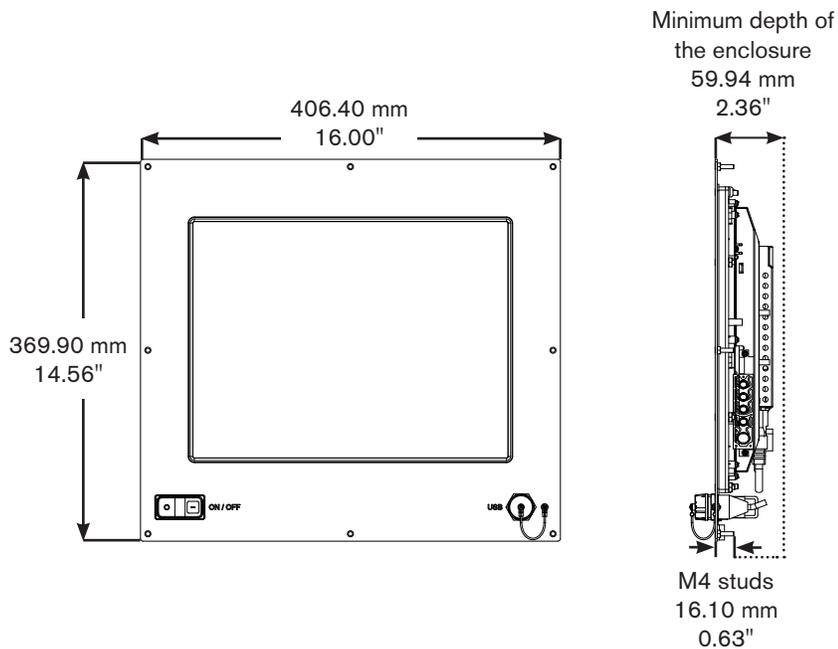
The MicroEDGE Pro CNC does not include a touchscreen. The touchscreen that is provided with this kit is an optional unit that a table manufacturer can install in an enclosure to meet the design and technical requirements of the manufacturer and the end user.

The touchscreen does not carry any regulatory approvals because these approvals are based on a complete system in an enclosure that is ready for installation and operation. Therefore, all regulatory approvals for this touchscreen must be obtained after it is installed in an enclosure.

The design for the touchscreen enclosure must accommodate environmental specifications for dust, temperature, and EMI/RFI. For more information, see *System specifications* in the *MicroEDGE Pro Instruction Manual*.

### Touchscreen dimensions

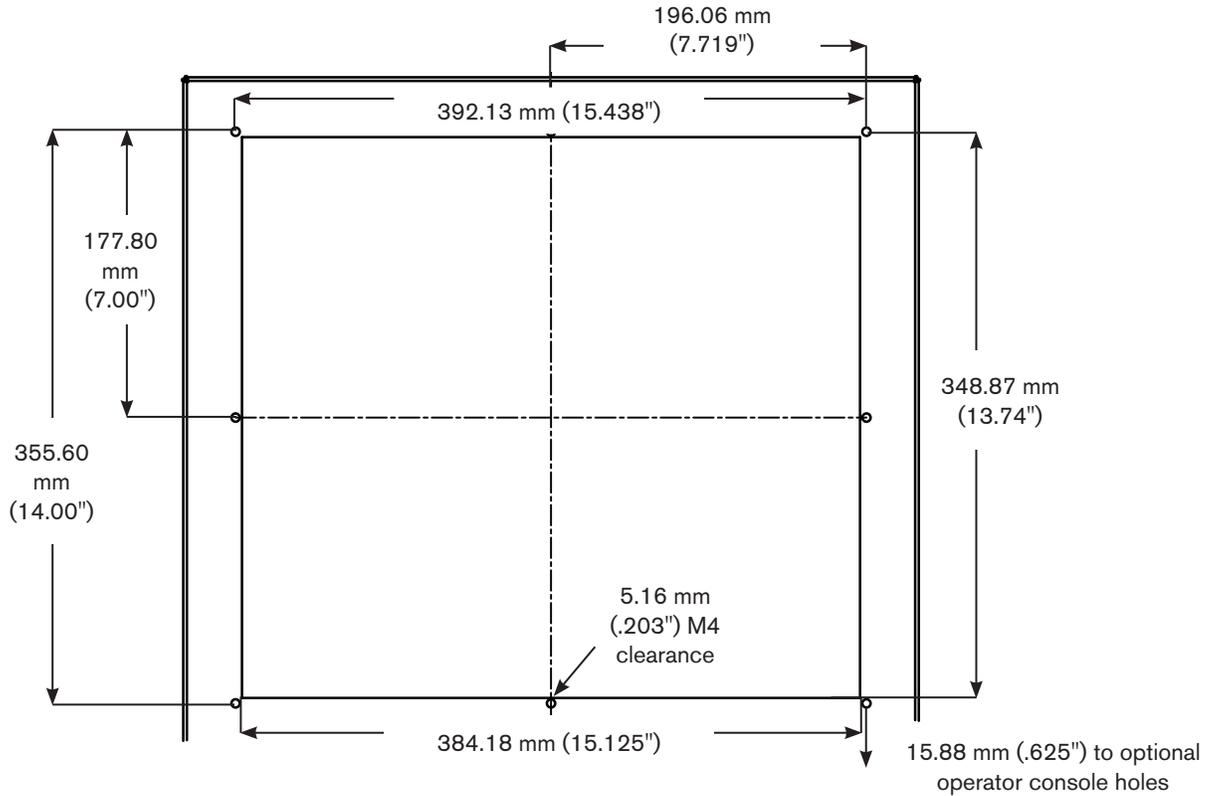
The following illustration provides the dimensions of the optional touchscreen display.



**Touchscreen dimensions**

**Enclosure dimensions**

The following illustration provides enclosure dimensions that are required for the touchscreen.



**Enclosure dimensions for the touchscreen**

## OPTIONAL TOUCHSCREEN INSTALLATION

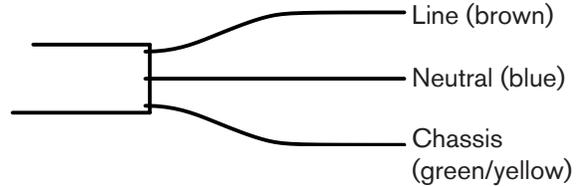
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### Install the touchscreen

Each numbered step corresponds to a number in the illustration on the facing page.

**Note:** All cables from the touchscreen connect to the back panel of the MicroEDGE Pro.

1. Pass the USB cable (223163) through the round opening in the lower right of the display panel and finger-tighten the hex nut on the interface cover (104451) to the front of the panel.

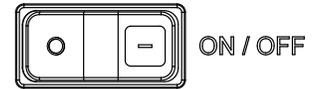


2. Plug the 3-prong AC power cable (229380) into the touchscreen. Remove the green connector at the other end and terminate each wire at an AC source according to the diagram at right.

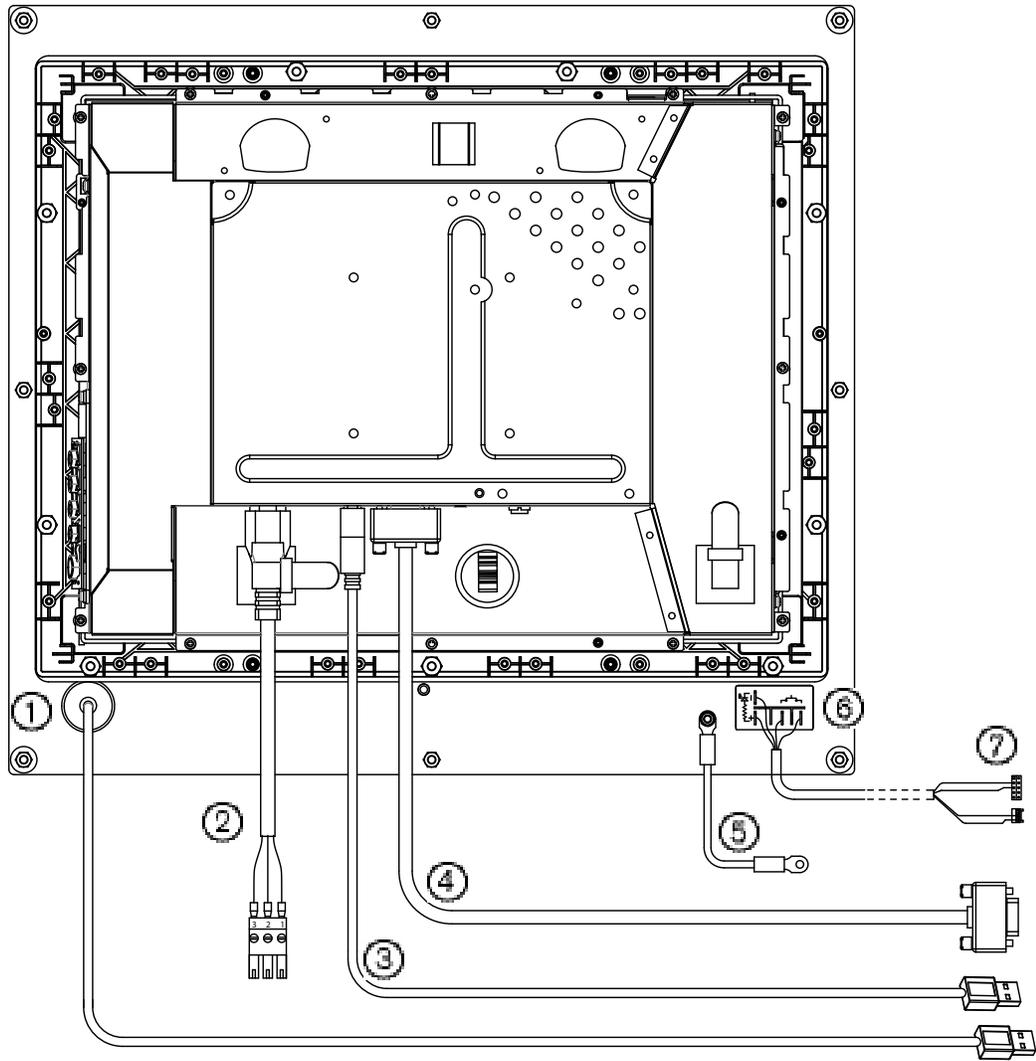
**Note:** AC power does not have to be switched off at the touchscreen. After the CNC is turned off, the touch screen turns off automatically. Similarly, when the CNC is turned on, the touchscreen also turns on.

3. Plug one end of the touchscreen USB cable (223162) into the touchscreen.
4. Plug one end of the 15-pin VGA cable (223161) to the VGA D-sub connector.
5. Attach the ground bonding wire (223017) to the display unit and a ground fastener on the cabinet.

6. Pass the ON/OFF cable (229455) through the rectangular opening in the lower left front of the display panel and snap the ON/OFF switch in place, as shown at right.



7. Plug the other end of the ON/OFF cable (229455) into the Remote ON/OFF connector.



Rear view of the display panel

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