

# Operation MANUAL FOR THE TP-100

P/N 5050-0568 Revision A

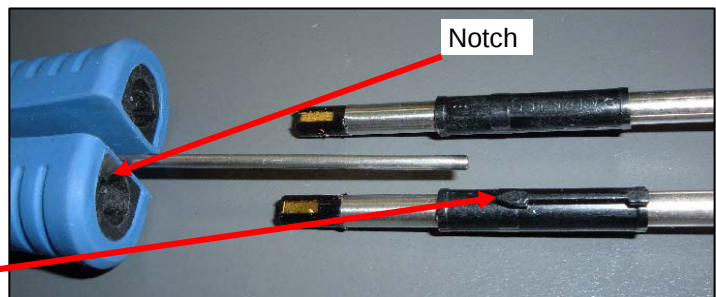


## Tip Cartridge Installation

TP-100 Tip Cartridges are fitted with a key lock device. This feature ensures that tip cartridges are held firmly in position and will maintain their orientation. To install a tip cartridge, please follow the procedure below.

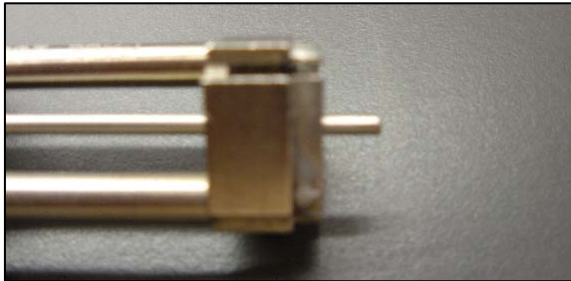
Line up the key lock feature on the tip cartridge with the notch on the front of the handpiece.

Key Lock

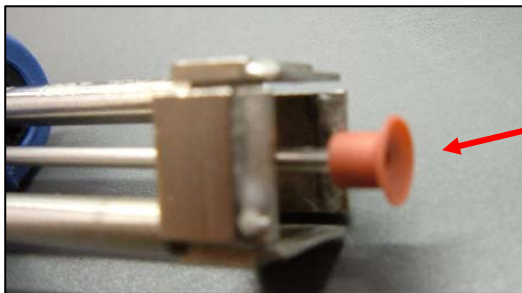


After partially inserting tip, align vacuum tube with hole in tip.

Push the tip cartridge all the way into the handpiece. Vacuum tube will extend approximately .2" beyond end of tip.



Insert suction cup onto end of vacuum tube.

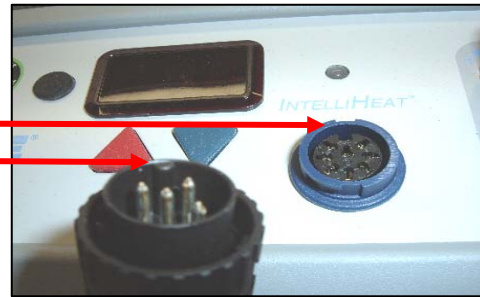


Connect the handpiece connector plug into the Power Receptacle in the following manner:

1. Align guide on the connector with slot on power receptacle.

2. Insert connector into power receptacle.
3. Turn the connector housing clockwise to lock in place.

Slot  
Guide



Insert vacuum hose connector into base unit



Connect foot pedal to foot pedal input on the back of your system.

#### OPERATION:

Select the appropriate top for the component you are removing and install it in the handpiece.  
 Allow tip to come to temperature and tin tip so there is solder covering the edges of the tip.  
 This improves the thermal linkage between the component leads and the tip  
 Place tip over component and the solder will melt. When the solder holding the leads to the PCB has melted  
 (A slight twisting motion with very delicate pressure can be used to verify component reflow)  
 Activate vacuum using foot pedal and lift component from PCB.

#### Replacement Parts

|              |                                      |
|--------------|--------------------------------------|
| 6010-0158-P1 | Handpiece                            |
| 6993-0280-P1 | Handpiece kit                        |
| 6008-0115-P1 | Foot Pedal                           |
| 1124-2001-P1 | TIP, TP-100, LQFP, 12mm X 12mm       |
| 1124-2002-P1 | TIP, TP-100, LQFP, 14mm X 14mm       |
| 1124-2003-P1 | TIP, TP-100, LQFP, 20mm X 20mm       |
| 1124-2004-P1 | TIP, TP-100, LQFP, 24mm X 24mm       |
| 1124-2005-P1 | TIP, TP-100, LQFP, 28mm X 28mm       |
| 1124-2006-P1 | TIP, TP100, QFP, 14mm X 14mm X 3.2mm |
| 1124-2007-P1 | TIP, TP100, QFP, 14mm X 14mm X 3.9mm |
| 1124-2008-P1 | TIP, TP100, QFP, 14mm X 14mm X 3.2mm |
| 1124-2009-P1 | TIP, TP100, QFP, 14mm X 20mm X 3.9mm |
| 1124-2010-P1 | TIPTP100QFP28mmX28mmX2.6/3.2mm       |
| 1124-2011-P1 | TIPTP-100, QFP28mmX28mmX3.9mm        |
| 1121-0382-P2 | VACUUM CUP S.D., .195DIA             |
| 1121-0383-P2 | VACUUM CUP S.D., .300DIA             |
| 1121-0384-P2 | VACUUM CUP S.D., .500DIA             |
| 6993-0153-P1 | Vacuum Cup Kit - one of each size    |
| 1100-0307-P1 | Hot Grip Removal Pad                 |
| 1100-0239-P1 | Tip Tool                             |
| 6019-0069-P1 | Tool Stand for TD-100                |
| 1259-0102-P1 | Vacuum Hose Connector                |