

# Microetcher Hook-Up in Operator

The Microetcher sandblaster requires a compressed air supply in the pressure range of 60 to 100 PSI. A pressure source less than 60 PSI will cause the sandblaster to etch surfaces at a significantly reduced rate. Most dental operatories will have an incoming air supply of 80 to 100 PSI, with a secondary air regulator set at 25 to 40 PSI for the chairside cart to be used with dental handpieces. Do not connect the Microetcher to the handpiece line if the pressure is too low; connection must be made before the pressure regulator. The Microetcher uses about 1.5 CFM air at its operating pressure; specially dried or dehydrated air is not necessary.

A fitting\* may be connected directly to the supply air source. A preferred hook up system is shown below; here the quick disconnect fitting is placed just downstream from the tee.

Quick disconnect fittings and tees are available from dental supply companies; however regular commercial fittings are available from a variety of sources, including auto supply stores, tool supply stores, plumbing suppliers, and hardware stores.

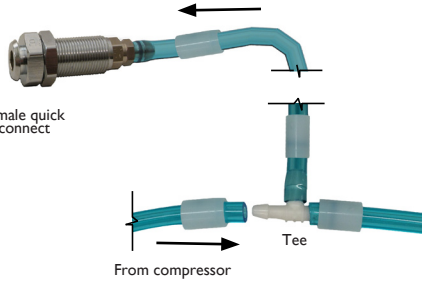
**NOTE: Do not use Teflon Tape to seal threaded joints - use Teflon Paste or Pipe Dope.**

Connect to  
Microetcher line



Male quick  
disconnect

Female quick  
disconnect



## PROCEDURE







**CAUTION:** Turn off the compressor and release pressure before proceeding.

1. Locate the air pressure supply line close to the desired work area. In new buildings the compressed air supply line is normally a 1/4" polyethylene tube.
2. The female quick disconnect fitting contains an automatic shut off, attached plastic air line with attached tee.
3. The fitting contains a locking nut so it may be panel mounted. Note the fitting should be mounted to the panel before being attached to the air supply.
4. Cut the air supply line, slide the large white plastic locking sleeves onto each end of the cut tubing.
5. Install the tee into each side of the cut tubing and slide the white locking sleeve toward the tee to secure the tubing with the tee.
6. Install the small white plastic locking sleeve onto the Microetcher™ tubing then attach the tubing to the barb on the male quick disconnect, slide the white plastic locking sleeve up until it stops.

**NOTE:** It might be convenient to re-plumb an unused hydrocolloid terminal fitting from water to compressed air.

\*If the air supply line from the compressor to the chairside cart is anything other than 1/4" OD polyethylene tubing, special fittings are required. Danville carries fittings for both 3/8" copper and 3/8" polyethylene tubing.

## MICROETCHER HOOK-UP GUIDE

AIR SOURCE 50-100 PSI	DESCRIPTION	DIAGRAM	COMPLETE W/MALE QUICK DISCONNECT	2nd STATION W/FEMALE QUICK DISCONNECT
Laboratory Stopcock	HOOK-UP: permanent installation NO quick disconnect		<b>Part No. 44025</b>	
Laboratory Stopcock	Laboratory Quick Disconnect		<b>Part No. 44007</b>	<b>Part No. 44017</b>
Chairside, inline 1/4" OD Plastic Tubing	Quick Disconnect with Plastic Tee		<b>Part No. 44000</b>	<b>Part No. 44010</b>
Chairside, inline 3/8" OD Plastic Tubing	Quick Disconnect with Plastic Tee		<b>Part No. 44001</b>	<b>Part No. 44011</b>
Chairside, inline 3/8" OD Copper Tubing	Quick Disconnect with Brass Tee		<b>Part No. 44016</b>	<b>Part No. 44015</b>
for connection to female Quick Disconnect	Male Quick Disconnect for Microetcher Line		<b>Part No. 44020</b>	