



**IMPROVED AIR KNIVES  
FOR THE QUICKSILVER  
HOT AIR SOLDER LEVELER**

- Better quality solder finish
- Fast air knife tip change
- No gap setting
- Less maintenance
- 5 degree air knife angle for optimum performance
- Longer operating life

The new air knives for the Quicksilver leveler are a modified version of the successful design developed for the 'Alchemy' horizontal leveler. The air knives have a cast iron block at the front end, which is bolted to an aluminium heat exchanger of a similar design to the standard Quicksilver air knife.

The air knife tips are supplied as an assembled unit with the air gap pre-set. The tips can be separated for cleaning, and no re-gapping is required on re-assembly. Tip assemblies are the same for front and rear air knife. They are removed and replaced through an aperture in the side of the air knife cover and are clamped into the cast iron head block by 8 bolts. Changing tips can be accomplished in less than 15 minutes.

The design of the head assembly prevents flux residues and carbon from penetrating into the aluminium heat exchanger, which ensures an extended operating life with minimum maintenance.

The air jets have a downwards angle of 5 degree's from the horizontal, which reduces fumes and solder spatter to a considerable degree, while providing optimum leveling performance.

Customer experience indicates improved quality on surface mount features, good hole clearing capability, and a high degree of 'controllability' - ie. alterations to pressure and/or gap settings produce predictable, repeatable changes to the solder finish.

The 5 degree Quicksilver air knives are fitted as standard on new machines, or can be retro-fitted to machines currently in use. Retrofit installation by a trained Cemco-Fsl engineer is recommended.

