

**WORLD LEADER IN  
CONTACT CLEANING**



**teknek**

## **CASE STUDY ARTICLE**

### **Unal Elektronik**

**Unal Elektronik is one of Turkey's leading PCB manufacturers. The £10-million company provides circuit boards for leading brand television and white goods manufacturers. Last year it produced in excess of 1million sq metres of PCB and in the region of 7 million to 8 million television chassis.**

**Five years ago the company realized it was experiencing problems with dust on the PCBs which was leading to waste and rework and was causing some of the boards to short circuit. The boards were being cleaned manually by operators using a cloth but with ever increasing production volumes this was proving too impractical and time consuming.**

**Unal researched the market and discovered that Teknek could provide contact cleaning equipment designed to remove contamination from PCBs eliminating particles down to one micron in size. Subsequently the company has invested in 10 machines with automatic loaders and six machines which are fed manually. The machines have been installed in-line to provide seamless integration with the production line.**

**“Since installing the Teknek ‘Clean Machines’ we have seen productivity increase dramatically as we are no longer cleaning boards manually,” said Seniz Akbulut, managing director of Unal Elektronik. “We are working with very high volumes of throughput and I would estimate productivity has grown by at least 30-40% as a direct result of installing the Teknek equipment.”**

**For further information about Unal Elektronik please visit [www.unal.com.tr](http://www.unal.com.tr)**