

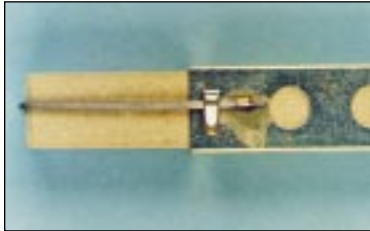
RESISTANCE SPOT WELDING APPLICATIONS

Unitek Equipment has been the world leader in the design, manufacture and application of precision resistance welding equipment and systems for more than 50 years. Our product line offers the broadest range of welding power supply, control, transformer, weld head, electrode and accessory choices which, in a multitude of combinations, can deliver optimum weld quality, productivity, yield and throughput. Unitek Equipment's products provide superior performance in automated, production line, bench top, hand-held, and laboratory environments. All products are manufactured under an

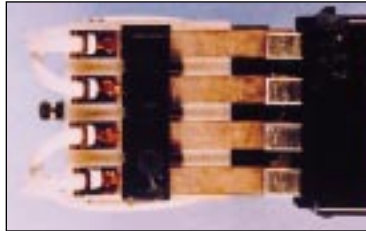
ISO 9001 certified system and are built to comply to CE regulations.

Following is a sampling of the many applications, over a broad range of products and a variety of markets, that are performed successfully every day by thousands of satisfied Unitek Equipment customers. Due to space limitations and customer confidentiality, we have not included every application. Contact your local Unitek Equipment representative for additional application information and examples.

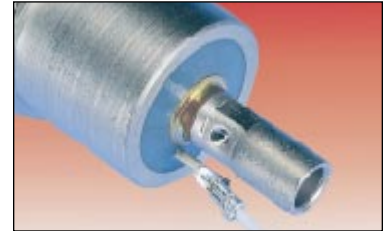
Electronic Components, Relays, Switches, Thermostats



Resistor support bracket



Relay terminal connection



Power solid state relay (SCR)



Appliance solenoid



Microphone plug



Reed-switch assembly



Thermal cut-off assembly



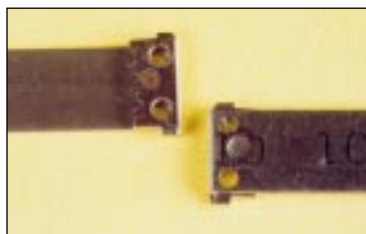
Element assembly



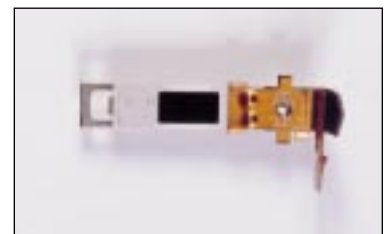
Relay



Sensing device



Relay latch plate assembly



Switch assembly

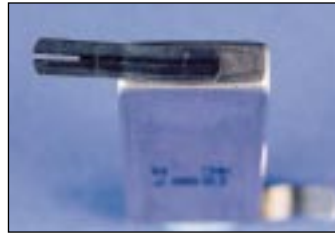
Batteries and Battery Packs



Power tool battery pack connector



NiMH battery pack



Prismatic battery tab



NiMH battery tab



Lithium-ion coin cell battery tab



Prismatic nickel/cadmium battery assembly



Battery tab to lithium-ion cell



Battery cans and assembly

Lamps and Television Tubes



CRT Electron Gun



Automotive head lamp



Lamp assembly



Halogen lamp filaments

Automotive Electronics and Sensors



Air bag diffuser



Automotive switch



Air bag detonator module (squib wire)



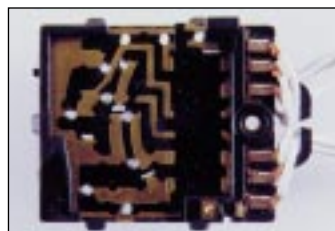
Anti-lock brake system solenoid



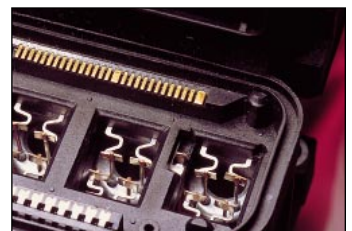
Automotive sensor printed circuit board



Automotive sensor



Turn indicator assembly



Anti-lock brake system module

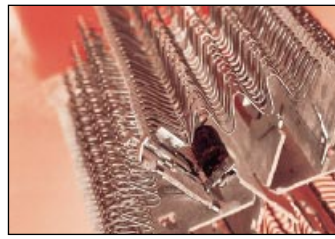
Heating Elements



Cal-rod heating element



Flat heating element

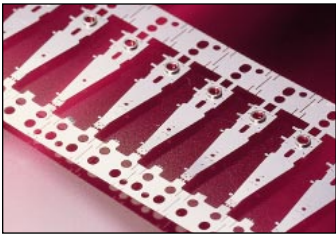


Hair dryer heating assembly



Ceramic hot-plate element

Telecommunications, Computer and Hard Disk Drives



Hard disk drive lead frame assembly



PC components



Cellular phone antenna assembly



PCMCIA card

Medical Devices and Tools



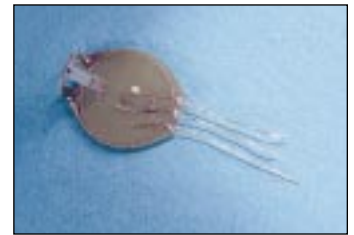
Cauterizing tool



Pacemaker

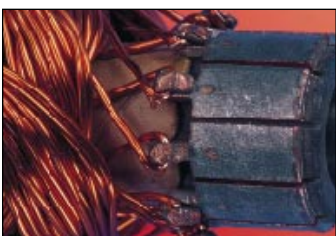


Catheter guide wire assembly



Hearing aid electronics

Motor Armature Fusing



Motor armature fusing



Slotted motor armature fusing



Motor fusing

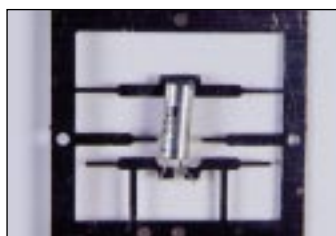


Motor cores for phones

Electrical Components



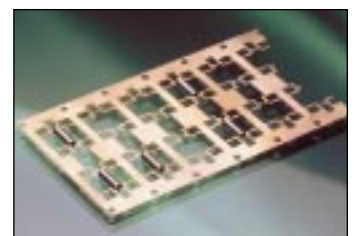
Switch assembly



Crystal to leadframe



Piezo electrical device

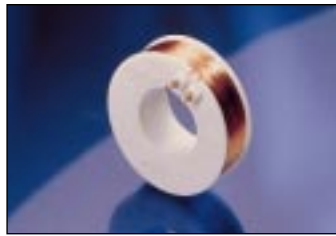


Lead frame for crystal oscillator

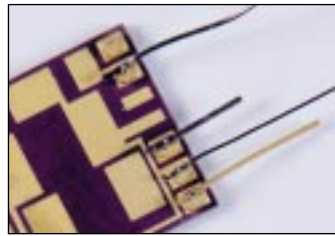
Miscellaneous



Rigid flex connector



Coating wire (solenoid)



Fine wire to pad



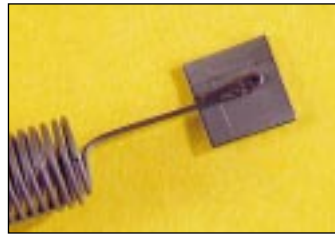
Smart cards



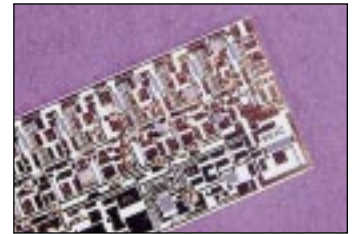
Cigarette lighter



Body piercing jewelry



Heating element interface



Gold wire to ceramic substrate

Welding System Selection

The selection of a welding system is based on many application variables. The user must match the metallurgy, shape, configuration, condition and weldability of the parts to be joined with the production objectives which might include throughput, yield, welding strength, weld appearance, and deformation as tempered by equipment cost, electrode life, automation, and process data collection requirements. Unitek Equipment operates applications laboratories

around the world which, at no cost, provide written parts evaluation, sample parts welding, equipment and process recommendations, and user training.

Contact your local technical sales and service representative for assistance in selecting the best equipment from Unitek Equipment's broad product line to match your specific requirements.

Your Local Representative



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