

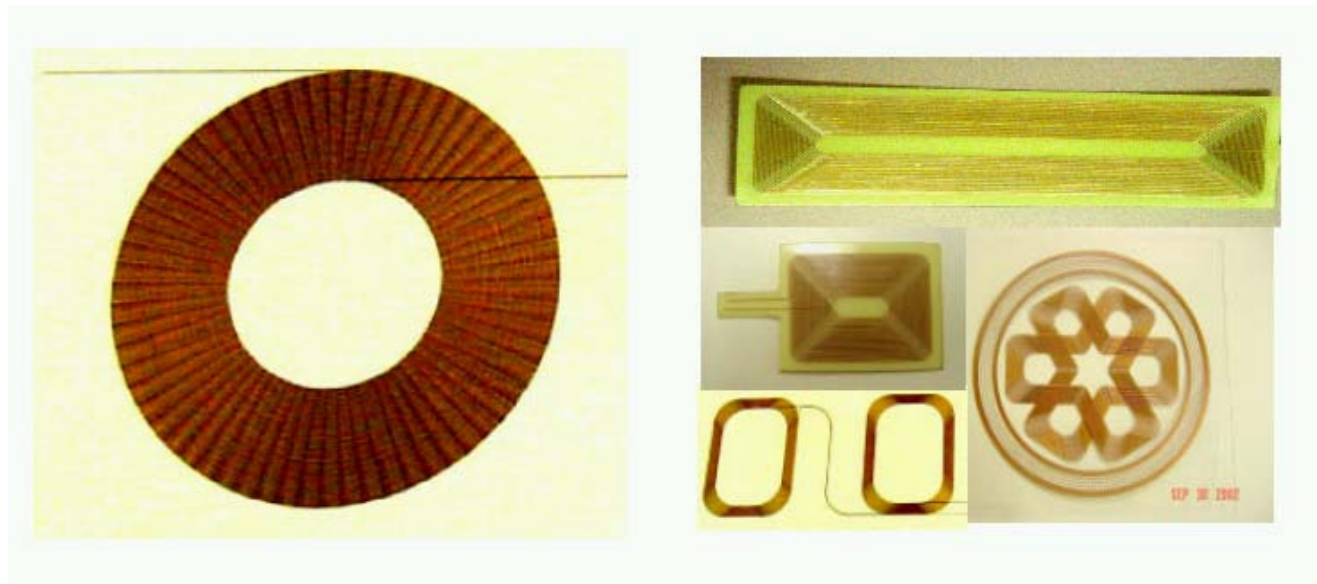
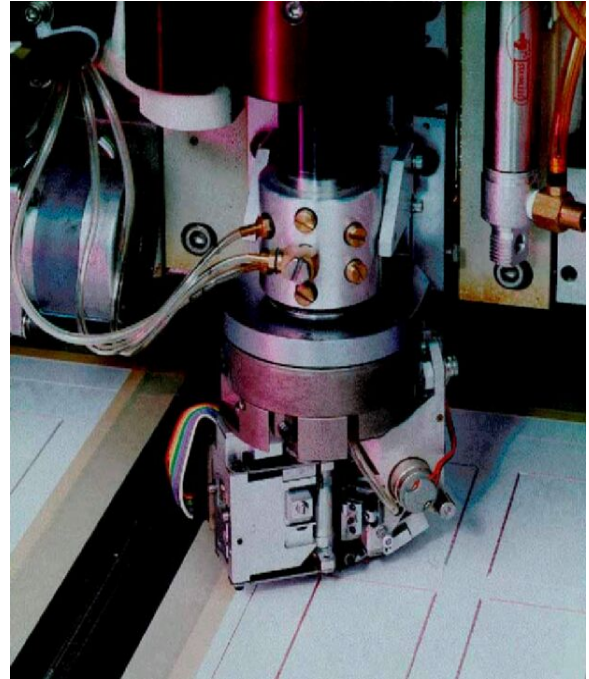
# Planar Coils Technology

Conventional air-wound technology produces coils that present handling problems and inconsistent electrical performance. PCK's method of bonding wire to substrate materials such as PVC and ABS provides the coil durable and distortion-free characteristics.

Embedded Wiring Technology will form insulated wire into virtually any configuration; the pitch on adjacent wires in the pattern may be tightly, loosely or variably spaced. The technology utilizes ultrasonic power to melt thermoplastic and other substrate materials and to activate the adhesive coated self bonding wire. Wire ends are positioned at precisely known, predetermined locations to facilitate automated termination.

PCK's Wire Embedding machines will bond wire directly to PVC, ABS and most other thermoplastics and accommodate a variety of wire gauges. From prototype fabrication through high volume production runs, PCK has a machine designed to support your budget and manufacturing requirements.

PCK's Wire Embedding Machines are the cost-effective solution for high volume production of planar coils. Up to four wiring heads simultaneously "write" insulated wire directly on to the thermoplastic substrate. Insulated wires can cross over one another without shorting. This provides single layer design flexibility which is unavailable with etched or conductive ink techniques.



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