INNOVATION NEWSLETTER

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Revolutionary Technology

Hybrid Electronics has a proven track record for successful innovation. We work closely with our customers to develop new ideas and technologies. Together, we achieve advanced competitive technology.

As an example of our innovation, Hybrid has recently introduced the capability to produce innovative circuit designs using stainless steel thick film hybrids. This process involves printing insulators, conductors, resistors and other sensor materials onto stainless steel rather than ceramic. The results so far have been great and we believe the future applications for stainless steel thick film hybrids are almost endless.

We are now looking for customers who would like to work with us to benefit from this revolutionary new technology.

Hybrid Electronics will help you and your product to become the latest and the greatest! We design circuit layouts to optimize performance and lower the cost compared to a printed circuit board (PCB).

Stainless Steel Hybrids

Stainless steel hybrids are microcircuits which are high in precision but small in size. They are also secure against reverse engineering, rugged and low in cost.

Stainless steel hybrids differ to ceramic hybrids. Ceramic hybrids are mounted into printed circuit boards (PCB's) and then cased whereas stainless steel hybrids do not require these. The electronics can be processed onto the flat printed stainless steel to produce a complete circuit module which can simply be "bolted on".

Thick film stainless steel hybrids are fully functional microelectronics incorporating, but not limited to:

- Fluid heaters - up to 25 Watts/cm^2
- Thermostat controls (zero crossing)
- Temperature sensors
- Strain sensors
- Pressure sensors
- Flow sensors
- Power components
- Mains voltage
- Microprocessors
- Hermetic sealing

Applications include, but are not limited to:

- Automotive
- Industrial
- Medical
- Scientific
- Agricultural
- Aeronautical

We look forward to hearing from you!