

LTCC



Thick Film Hybrid

PRODUCTS

- Multilayer Substrates
- Custom Resistor Matrix
- Custom IC Packages
- Application Specific Modules
 - **Industrial**
 - **Automotive**
 - **RFPA**
 - **Broadband**
 - **Military**
 - **Cellular**
 - **Bluetooth**

FEATURES

- Various conductors available:
 - **Gold (Au)**
 - **Silver (Ag)**
 - **Palladium Silver (Pd/Ag)**
- Fine line width and spacing:
 - Thick Film: 5 mils (130 μm) minimum
 - LTCC: 4 mils (100 μm) minimum
- Small via size:
 - Thick Film: 10 mils (254 μm) minimum
 - LTCC: 4 mils (100 μm) minimum
- Via structure can be buried, stacked and staggered
- Buried capacitors, inductors and resistors

CAPABILITY

- Multi-conductive layers / thru-hole / wrap around
- Fine line printing
- High precision passive / active / functional trimming
- SMT
- Wire ribbon bonding
- SIP / DIP / QFP packages
- Selective coating / conformal coating / epoxy potting / hermetic sealing
- High power / surge protection
- Automated plating (copper, nickel, tin, tin/lead, tri-metal, silver, gold, palladium, etc.)
- LTCC and Thick Film Hybrid

MCV Technologies, Inc., a volume supplier of microwave microelectronics and components, utilizes a 45,000 square foot manufacturing facility to provide its customers with technically advanced, high quality products at competitive prices. Our facilities have been ISO 9001, ISO 9002, and ISO 14001 certified.

MCV Technologies offers thick film hybrid, low temperature co-fired ceramic (LTCC), micro-electronic functional modules and packages.

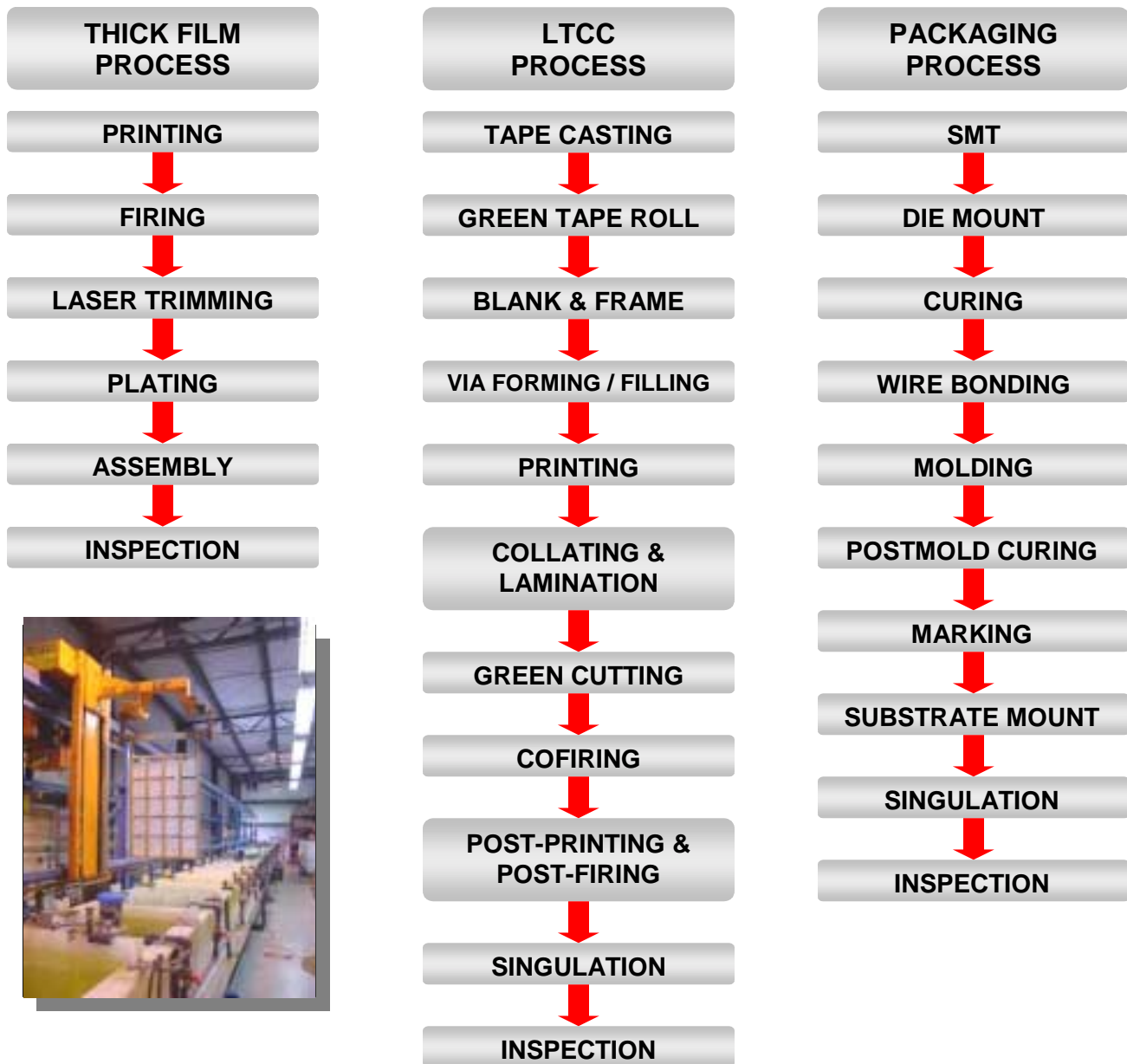
MCV quality control practices are strictly enforced throughout all phases of production, including vendor qualification, incoming inspection, statistical process control, out-going inspection and quality assurance. All measuring and testing instruments are precisely calibrated complying to NIST standards.



- **LOW COST**
- **HIGH PERFORMANCE**
- **FAST TURNAROUND**
- **TECHNICAL SUPPORT**

Thick Film / LTCC / Packaging

PROCESS FLOW



CONTACT US

MCV supports your particular hybrid requirements by focusing on price, quality and delivery. Contact MCV for a free assessment of your new or existing project. MCV would welcome the opportunity to discuss your specific needs. If contacting us via e-mail or by regular mail, please provide detailed circuit, component specifications, mechanical and environmental requirements, along with any other special considerations for our engineering staff.



Bringing you tomorrow technology today
6370 Lusk Blvd, San Diego, CA 92121

Tel: 858-552-2008
Email: sales@mcvtech.com

Fax: 858-552-2005
www.mcvtech.com