

# High Volume Substrate Screening



- Fully automated thick film high volume screening capability
- ISO 9001 and QS-9000 certified



## Features

Multi-layer circuit interconnect on ceramic (Al <sub>2</sub> O <sub>3</sub> ) substrate	<i>Thermal performance, rugged environment, chip and wire compatible, integrated resistors</i>
Housed in a 10,000-Class clean room	<i>Assures best quality</i>
Run rate: 600 prints per hour	<i>High volume capability</i>
Substrate panel size up to 4x6 inches	<i>Allow for multi-up screening and maximize throughput</i>
Cassettes handling system	<i>Minimize damage to substrates during handling</i>
Two sided printing capability	<i>Allow for more complex circuitry</i>
Traces available in silver palladium or thick film copper	<i>Optimize circuit for power, resistance and cost</i>
Integrated thick film resistor with fully automated trim	<i>Thermal performance, circuit performance, size reduction, reduce solder joints</i>

## Applications



Automotive Temperature Switch



Industrial Motor Controller

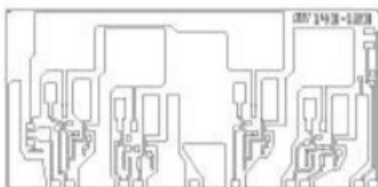
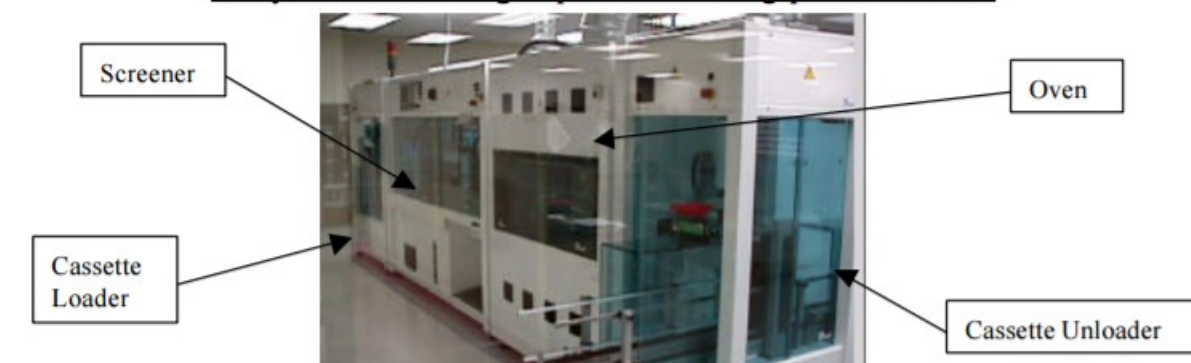


SCSI Terminator

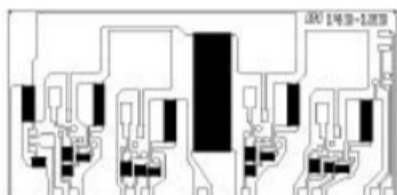
General Note  
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## Process

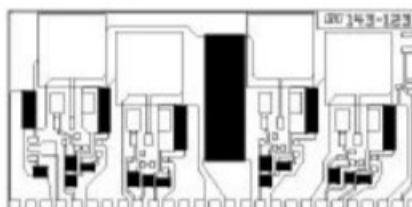
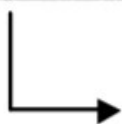
### Fully automated high speed screening print machine



Conductor layers screened on blank alumina substrate follow by dry and fire.



Multiple resistor layers are screened follow by dry and fire.



Dielectric layer screened. Dry and fire. Resistor values are laser trimmed to specific tolerance

Contact BI Technologies

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