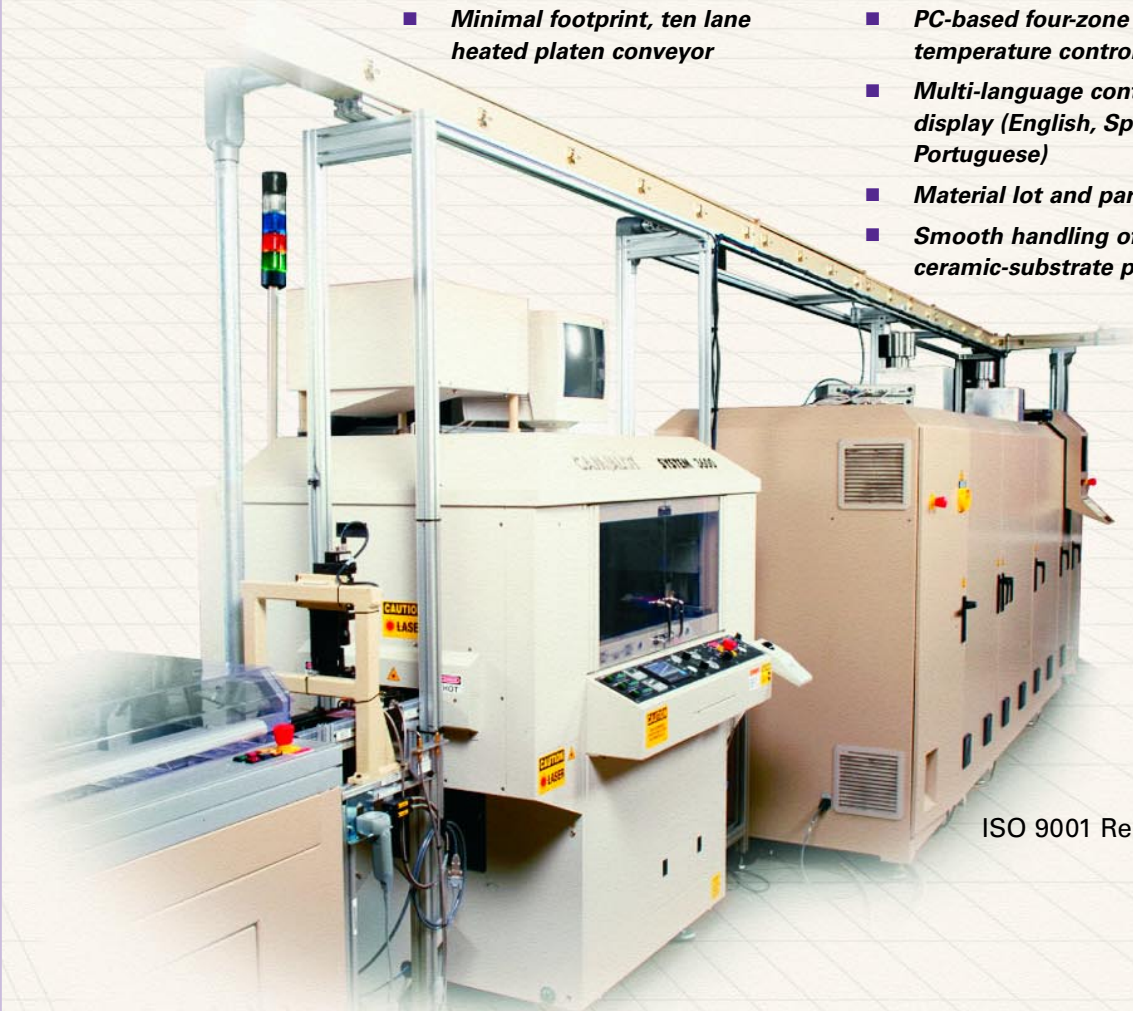


## THIRD PARTY EQUIPMENT INTEGRATION

- *Minimal footprint, ten lane heated platen conveyor*
- *PC-based four-zone temperature temperature control*
- *Multi-language control panel display (English, Spanish, Portuguese)*
- *Material lot and part tracking*
- *Smooth handling of ceramic-substrate parts*



ISO 9001 Registered

**T**he circuit board assembly system Capitol Technologies designed and built for a tier one automotive manufacturer included an epoxy underflow station with an epoxy cure oven. The ceramic substrate circuit boards were preheated in a ten lane, 500 board capacity heated platen unit that fed boards to the underflow station at a ten second cycle rate. The delicate nature of these ceramic substrate circuit boards required that the station tooling be designed to prevent board damage. The epoxy cure oven also featured four temperature zones to properly heat and cool the ceramic-substrate material without damage.

A multi-lingual labor force also required that operator interface menus be available in English, Spanish, and Portuguese.

Capitol implemented a data storage system that recorded time and date information for each circuit board serial number in relation to bar code-scanned component and consumable material lots. The database provided the ability to determine the specific material lots used in past production and manage a recipe-based lot changeover for model dependent variables.

## capitol technologies, inc.

FACTORY AUTOMATION SYSTEMS

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