

CAM & Engineering Offerings

NEW InCAM™

CAM



A new wave in HDI and IC packaging pre-production CAM

- Fast, high-precision CAM
- Dedicated DFM and analysis for HDI and IC packaging
- Outstanding data integrity and fault indication
- Collaborative and secure work environment
- Streamlined user interface; easy-to-use tools

Genesis2000

CAM



The leading CAM solution for rigid multilayer PCBs

- Integrates design analysis, tooling and workflow management
- Cuts cycle time and increases yields using powerful plug-in DFM programs
- Synchronizes communication between design and assembly
- Easy integration with engineering and production

Over 7,000 seats worldwide!

GenFlex™

CAM



The complete CAM solution for flex and rigid-flex manufacturing

- State-of-the-art analysis and editing for flexible circuit boards
- Quick global revision via dedicated DFM tools
- Automatic flex panelization to maximize utilization and yield
- ODB++ data format for seamless integration with design and assembly
- Optimal operator efficiency and speed
- Minimal revisions, maximum yields

Frontline

PCB SOLUTIONS

An Orbotech Valor Company

InCoupon™

Engineering

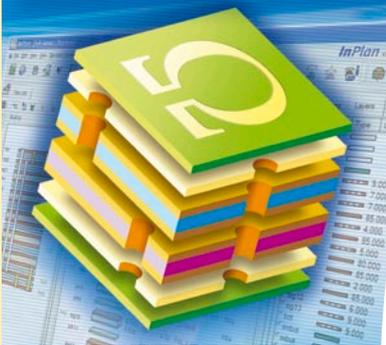


Automatic impedance coupon generator

- Reduced CAM and engineering cycle time
- Impedance testing in the early production stages
- Generated coupons meet all DRC, signal integrity and testability requirements
- Smallest possible coupon footprint on the panel
- Coupon design transformed from an expert task to a standard operation
- CAM and engineering data integration for efficient coupon design

InStack™

Engineering



Automatic stackup designer

- Automatic stackup design reduces design time from hours to minutes
- Minimal material costs
- Job information automatically extracted from CAM
- Seamless integration with impedance software
- High quality stackup design documentation

InPlan™ Flex

Engineering



Automated PCB engineering for rigid, flex and rigid-flex boards

- State-of-the-art, unified engineering toolkit for rigid, flex and rigid-flex boards
- Support for rigid and flex materials
- Faster engineering cycle time; dramatically reduced costs
- Efficient materials tooling management; BOM, Traveler and CAM instructions
- Automatic flex panelization to maximize utilization and yield
- Proven CAM and ERP integration

InPlan™

Engineering



Automatic engineering system

- State-of-the-art, unified engineering toolkit for rigid boards
- Front end (CAM) and back end (ERP) system integration
- Process knowledge with electronic rules and specs
- Engineering concurrency and multi-site operations
- Outputs BOM, Traveler and CAM instructions
- Optimal stackup design for lowest possible material costs
- Revision control for effective change management

Selected by market leaders!

www.frontline-pcb.com

Orbotech USA: Tel: 1(978)-667-6037 • Orbotech Europe: Tel: (32)-2-727-4811 • Orbotech Pacific: Tel: (852)-2827-6688
Orbotech Japan: Tel: (81)-3-3280-1300 • Frontline Headquarters Israel: Tel: (972)-8-9322183

Frontline

PCB SOLUTIONS

An Orbotech Valor Company