

## FP8-MATIK

AUTOMATIC FLYING PROBE TESTER



Circuit Line Technologies specializes in PCB electrical validation with an entire line of flying probe testers, all possessing unbeatable quality and performance.

- High performance
- High accuracy
- Innovative mechanical design
- User friendly
- Data input formats: IPC, Mania, Microcraft, etc.

Number of test probes .....4  
 Max. panel size (x/y) .....25" x 21"  
 Max. board thickness .....0.2"  
 Min. board thickness .....0.015"  
 Resolution x/y .....0.12mil  
 Min. Pad size .....1.5mil  
 Min. Pitch size .....4mil  
 Test voltage .....20 - 1000V  
 Continuity test.....Resistance / Discharge  
 Isolation test .....Resistance / Discharge

## Accu-SCORE AS 150 MAX

CNC "Jump" V-Scoring Machine



Our Accu-Score AS-150-MAX V-Scoring Machine is designed to score continuous and segmented ("jump") v-grooves on one or both sides of any type of PC board substrate.

### PRODUCT SPECIFICATIONS

'Y' Axis Positioning Resolution  $\pm 0.000050''$   
 'Y' Axis Positioning Accuracy  $\pm 0.0004''$   
 'Y' Axis Score to Score Accuracy  $\pm 0.002''$   
 'X' Axis Positioning Resolution  $\pm 0.0002''$   
 'X' Axis Positioning Accuracy  $\pm 0.005''$   
 'X' Axis Jump Score Accuracy  $\pm 0.100''$   
 'Z' Axis Positioning Resolution  $\pm 0.000050''$   
 'Z' Axis Positioning Accuracy  $\pm 0.0001''$   
 'Z' Axis Scoring Accuracy  $\pm 0.001''$

[www.accusystemscorp.com/as-150-max](http://www.accusystemscorp.com/as-150-max)

## Circuit Connect

READY-TO-ASSEMBLE | USA MADE  
PRINTED CIRCUIT BOARDS

## WHAT'S NEW & IMPROVED

### 2018 - 2019

INSPECTION | TEST | FABRICATION



Above: The ATG 5 Neo, our newest flying probe

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**CIRCUIT CONNECT, INC.**

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## SPRINT™ SERIES LEGEND PRINTER



Powered by **Orbotech DotStream Pro Technology™**, Sprint systems deliver cost-effective, top quality industrial inkjet printing for a consistently accurate production of even the most advanced legend designs to meet any manufacturing volume need.

- High volume production with top quality and accuracy
- Uniform printing on challenging surfaces and thick copper traces: lines and spaces down 3 mil and characters even below 0.5mm\* height
- Unparalleled fine features sharpness and readability
- High Depth-of-Focus (DOF) of 1.5mm
- Registration accuracy of  $\pm 35\mu\text{m}$
- A wide range of panel thicknesses - from 0.1mm up to 7.5 mm
- Extensive functions for product traceability and quality control
- Prints on Rigid, Rigid-Flex and Flex PCB using approved inks

## AOI : PHOENIX



**Our Phoenix AOI** is CIMS' latest generation of AOI systems, designed to support HDI and multilayer PCBs with scan resolution down to 30  $\mu\text{m}$  line/space width.

*Equipped with state-of-the-art image acquisition capabilities, the Phoenix is renowned for exceptional detection.*

### CIRCUITRY VALIDATION AND MORE:

- **Fi** – final inspection of finished PCBs
- **+2DM metrology** – panel dimensions measurement
- **+2CD metrology** – 2D measurement of circuit elements

<https://www.cims.com/phoenix-hdi/>

## Circuit Connect Inc. installs 2<sup>nd</sup> D.I. system from Technica USA

January 15, 2019 | excerpt from [us-tech.com](http://us-tech.com)

**Technica USA reported that Circuit Connect Inc. (CCI) recently installed their second MLI/CBT DI system.**

Rick Clutz, CEO, Circuit Connect Inc. stated, "Our business keeps growing and it is requiring us to expand our capabilities. The first DI imaging technology we installed from Technica made dramatic improvement to our PCB manufacturing operation. The addition of the second CBT DI system, as well as other strategic capital improvements recently made, has created a 'completely digital manufacturing process' here at Circuit Connect ensuring our customers that their products will be produced with

the highest level of quality, reliability and repeatability."

