Automatic SMT Tooling - 100% pneumatically operated
Conforms to any PCB – single or double sided
Fastest tooling set up available today
Eliminates manual pin set up
No programming required
Eliminates potential for cracked components (due to misplaced hard tooling pins)
Enhanced and stabilized print quality due to more thorough support and consistent set up
Automatic Mode allows for hands free set up
The People: Driven to maximize price/performance

- Jim Bernhard and Charlie Moncavage:
- Founders of Ovation/Grid-lok
- Over 20 years of combined experience inventing and applying compliant tooling

The Products: Leading in every performance category

- Focused on Ease of Use and Cost Effectiveness
- Runs in Automatic and Manual Mode
- High Density Pin Pitch - High Density Only!
- Low cost of Entry-- Starter Kits $1950
  - Start Small, Add as Needed
Advantages

- Highest Holding force in industry (patent pending locking technology)
- Lowest upward force – for thin pcb’s
- Higher upward force capable for thick pcb’s
- Highest Component clearance in a 39mm package – 13.5 mm ***true clearance
- Largest support area per pin
- Pins twice as thick - won’t bend easily!

- **OPTI-FLOW** Technology:
  - Add or Remove modules **With NO AIRFLOW ADJUSTMENTS**
  - Mistake proof connections: Male/Female (not color coded)
  - Simple/Reliable Control System
  - Heavier Pins more easily drop after reset
  - Lower Maintenance – Lock lubrication is isolated from pins
  - Lowest cost of spares – Tips 1/10th the cost

⇒ ALL AT A COST 33% LOWER!!
ROI Sample Calculation
More Line Utilization = More Profit

- Line: 1 Printer and 2 Placement Machines
- Changeover Time Saved per Line = 10 minutes
- Changeovers per day = 3
- Line Utilization Rate = $800 per hour
  (assumed profit generated per line per hour)
- Total Savings per Day = 1/6 hour x 3 x $800 = $400
- Quik-Tool cost on Line $15,800 (5 module kit on printer, 3 module kits on 2 Placement machines)
- Payback in 40 days!
Machines:
Speedline, EKRA, DEK, Speedprint, Siemens, Juki, Fuji, Assembleon, Samsung, Europlacer, Panasonic, Universal.......and MORE!

Contact Us:

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Standard Module Specifications

Minimum Module Height with Pins extended: 39.5mm

- Minimum Upward Force per pin: 2.5 Grams
- Holding force per pin at 90 PSI: 2000 Grams
Z- MAX Module Specifications

Minimum Module Height with Pins extended: 66.5mm

- Minimum Upward Force per pin: 2.5 Grams
- Holding force per pin at 90 PSI: 2000 Grams