



## **The GOLD Standard** **in Compliant SMT Support Tooling**

- **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**





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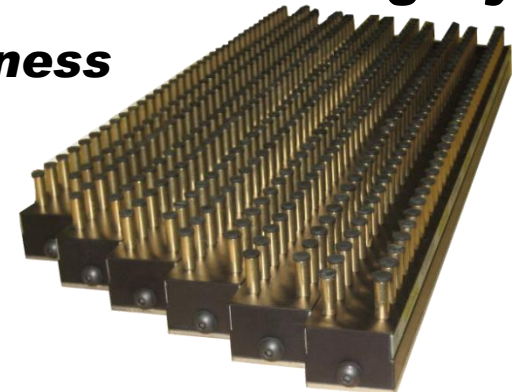
### ➤ **The People: Driven to maximize price/performance**

- **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**



# Quik-tool™

## 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 1/10<sup>th</sup> 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!**

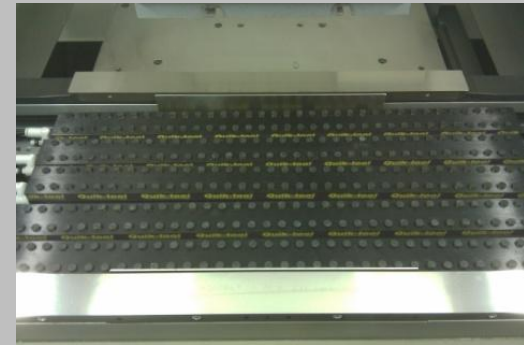


# Quik-tool™



## **Machines:**

**Speedline, EKRA, DEK, Speedprint, Siemens, Juki, Fuji, Assembleon, Samsung, Europlacer, Panasonic, Universal.....and MORE!**



## **Contact Us:**

- **Sales/Customer Related**
  - **Jim Bernhard – Managing Partner**
  - **[jbernhard@quik-tool.com](mailto:jbernhard@quik-tool.com)**
  - **508-699-9077 Office**
  - **508-735-6565 Mobile**
  
- **Technology Related**
  - **Charles Moncavage – Managing Partner**
  - **[cmoncavage@quik-tool.com](mailto:cmoncavage@quik-tool.com)**
  - **484-554-4449 Mobile**

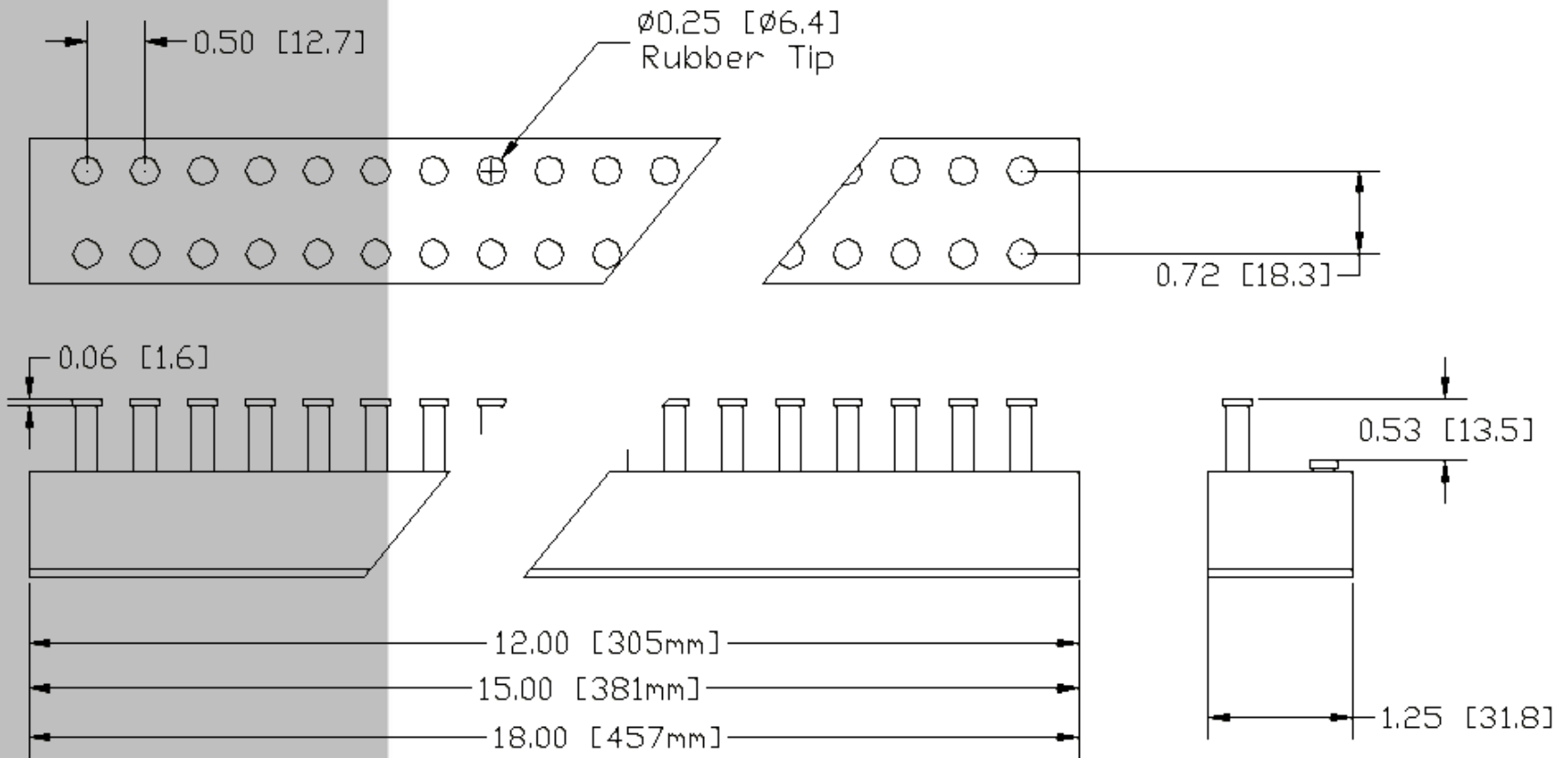


**[www.quik-tool.com](http://www.quik-tool.com)**



## Standard Module Specifications

**Minimum Module Height with Pins extended: 39.5mm**



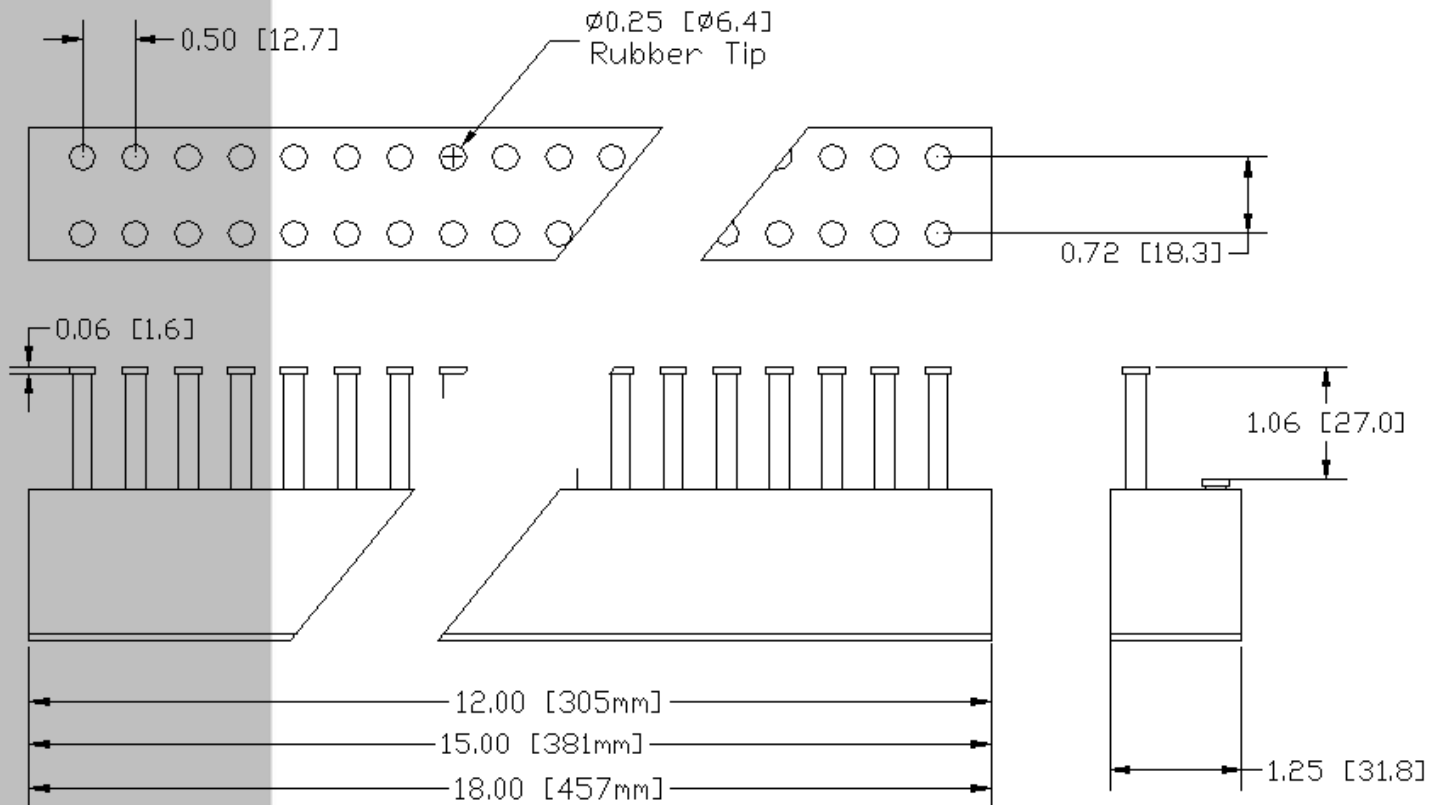
**•Minimum Upward Force per pin: 2.5 Grams**

**•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**