



## RADIAL 88HTi

### THE ENDURING STANDARD FOR RADIAL INSERTION

The Radial 88HTi brings a new level of productivity to radial component sequencing and insertion, offering consistently high throughput regardless of component type. With an intuitive interface and flexible machine configurations to match your application requirements, you'll be sure to get the most out of your Universal through-hole solution. Easy to use and maintain with exceptional reliability built in – that's Generation 88HTi.

The unmatched stability of Radial 88HTi is complemented by real speed and cost advantages delivered directly to your shop floor. Features include:

- Industry's highest real throughput (20,000 cph)
- World-class reliability (300 ppm)
- Manual Load or Automatic PCB Load/Unload
- Multiple clinch options with programmable height
- Scalable configurations with up to 100 inputs
- Single, dual, triple, and quad-span tooling
- Full range of insertion spans
- Intuitive, graphical operator environment

#### VIDEO

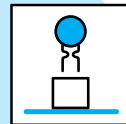


### BENEFITS & VALUE



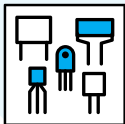
#### UNMATCHED PRODUCTIVITY

Highest real throughput of **20K cph**, Alternate Feeder and Low Part Alert for nonstop production; **300ppm** reliability



#### HIGHEST YIELDS

Programmable height to avoid damaging surface mount components



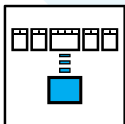
#### MAXIMUM FLEXIBILITY

Single, dual, triple, and quad-span tooling with spans from **2.5mm** to **10.0mm**, including **3.5mm**



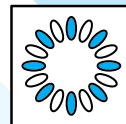
#### GREEN MACHINE

The most economical radial insertion machine available, consuming up to **67%** less electricity than alternative solutions



#### OPTIMAL CONFIGURABILITY

Expandable up to **100 inputs**; Available in straight-back or in-line configuration

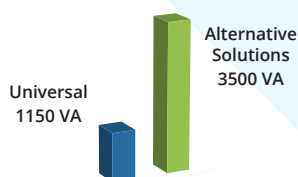


#### PRECISION INSERTION

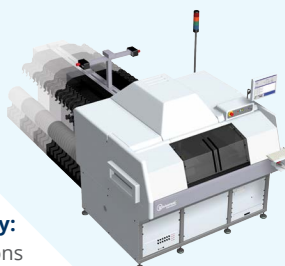
Insertion heads are servo-driven for precise and rapid **360°** component insertion in **1°** increments

### LOWEST COST OF OWNERSHIP

#### POWER CONSUMPTION

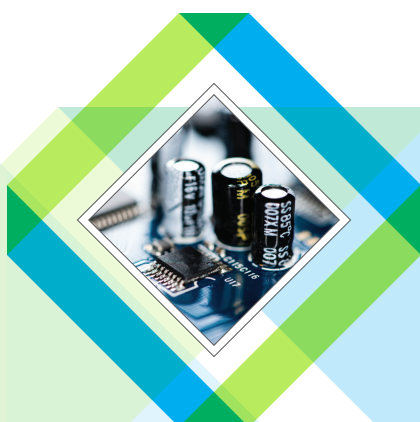
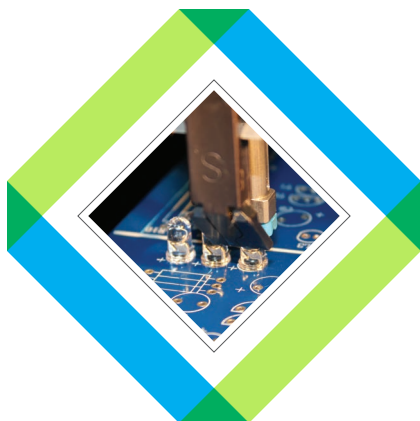


**Economical and environmentally friendly:**  
**67% less electricity** than alternative solutions



#### Built to maintain investment protection

- Upgradeable platform architecture with cost-effective, incremental enhancements
- Add-on/removable feeder stations to address production changes
- Modular, quick-change tooling



## Insert a full array of radial lead components

Maximize efficiency, output and quality by eliminating manual insertion. Single, dual, triple and quad-span configurations will have you ready for your next product, and you can keep on running by replenishing components without a machine stoppage.



### Component Feeding

- Sequencer feeds components to machine from reels or ammo packs
- Jam-resistant design, alternate feeder and double-index feeders for higher speed and throughput



### Sequencer Configuration Options

- Available in-line or straight-back configurations to accommodate a variety of factory layouts
- Expandable from 20 stations up to 100 stations in 20-station increments



### Radial Head Tooling Options

- Single-Span: 2.5mm
- Dual-Span: 2.5/5.0mm
- Triple-Span: 2.5/3.5/5.0, 2.5/5.0/7.5, 5.0/7.5/10.0mm
- Quad-Span: 2.5/5.0/7.5/10.0mm

## RADIAL 88HTi Specifications

<b>Throughput</b>	22,500 cph
<b>PCB Dimensions (L x W)</b>	Automated: 102mm x 80mm to 483mm x 406mm; Manual: 51mm x 51mm to 600mm x 600mm
<b>Component Inputs</b>	Expandable from 20 to 100 in increments of 20 (in-line or straight-back configuration)
<b>Insertion Pitch</b>	Single-Span: 2.5mm Dual-Span: 2.5mm/5.0mm Triple-Span: 2.5mm/3.5mm/5.0mm or 2.5mm/5.0mm/7.5mm or 5.0mm/7.5mm/10.0mm Quad-Span: 2.5mm/5.0mm/7.5mm/10.0mm Programmable clinch and insertion height
<b>Reliability</b>	Single/Dual-Span: 300 ppm or better; Triple/Quad-Span: 400 ppm or better
<b>PCB Exchange Time</b>	Pass-Through: 2 seconds; Manual: 0 seconds
<b>Electrical Requirements</b>	Single-phase AC 180–246 V, 1150 VA, 47–63 Hz with UPS backup

www.uic.com  
universal@uic.com

MC-7496

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contact us:

