

Shenzhen Southern Machinery Sales and Service Co., Ltd

www.smthelp.com
Email: zheng@smthelp.com
Pho: +86-17875423577
Tel: +86-755-83203237
Fax: +86-755-23240492



Prepare by: Rory chen

Southern Machinery Development Process

- **2006** Developed first axial sequencer and axial inserter
- **2007** Developed first Odd Form Inserter
- **2008** Developed first Radial Inserter and first Eyelet Pin Inserter
- **2009** Developed first Axial Inserter
- **2010** Attained the 'Dongguan High-Tech Enterprise'
- **2010** Radial/Axial Inserter obtain CE certification



Through Hole Products

Radial Inserter S-3000



- **Single Span – 2.5mm lead spans**
- **Dual Span – 2.5mm/5.0mm lead spans**
- **Triple Span – 2.5mm/5.0mm/7.5mm**
- Expandable from 20 stations to 100 stations (10 station increments)
- Speeds up to 18,000/hour
- Long Life Tooling for RoHS Components

Radial S-3000 - In Detail

-Highest Throughput

•18,000 CPH Spec Speed

-Strong Machine Flexibility

• Expandable from 20 inputs up to 100 inputs

• Inserts at 1 degree increments up to 360 degrees

• Inward clinch option to increase bottom side density

- Lowers Cost of Ownership

• Low Energy costs.

• Minimal preventative maintenance required.

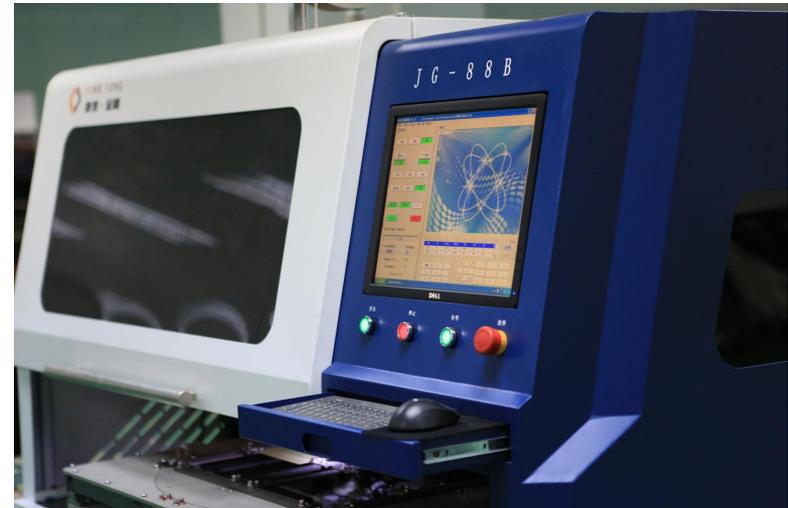
RMB2,000/Month/Unit

- Easy to Use User Interface

• Easy operation, use Excel program and USB input.

• Off-line programming available

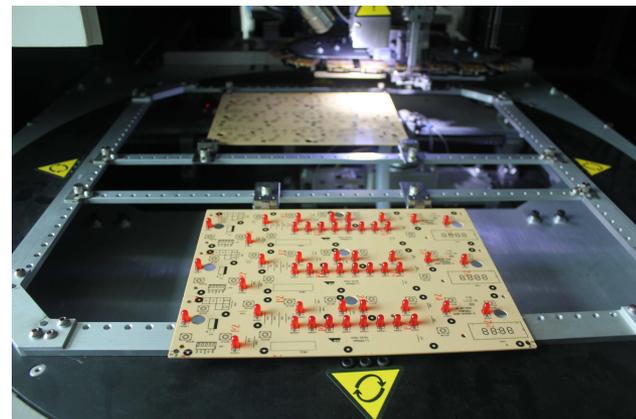
• Components available: Capacitors (electrolytic, ceramic, box, and film), transistors, diodes, LEDs, connectors, tact switches, coils, potentiometers, lamps, fuses, etc



Focused on Throughput

Ultimate Throughput

- Consistent throughput, regardless of component type or lead span
- Offers a stand alone machine without a pass-through PCB conveyor
- Allows the work board holder to accept up to 4 window's
- Delivers a PCBA transfer time of zero



Radial Head Tooling Options

Tooling to accommodate a variety of applications-field reconfigurable

Single Span: 2.5mm

Dual Span: 2.5mm/5.0mm

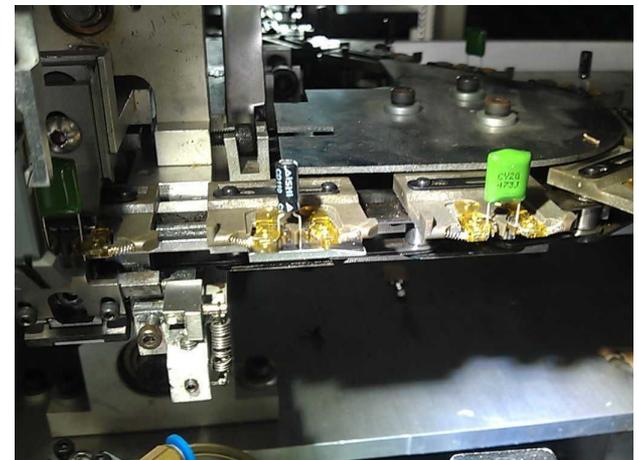
Triple Span: 2.5mm/5.0mm/7.5mm

S-3000 Video

http://v.youku.com/v_show/id_XNTQ1MTkwNTMy.html



Ultimate Throughput

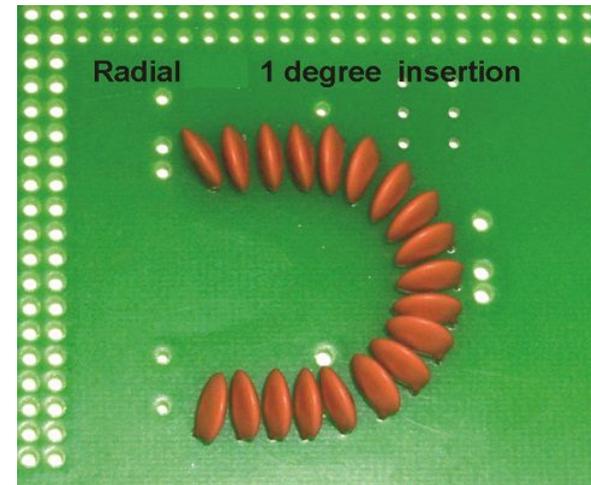
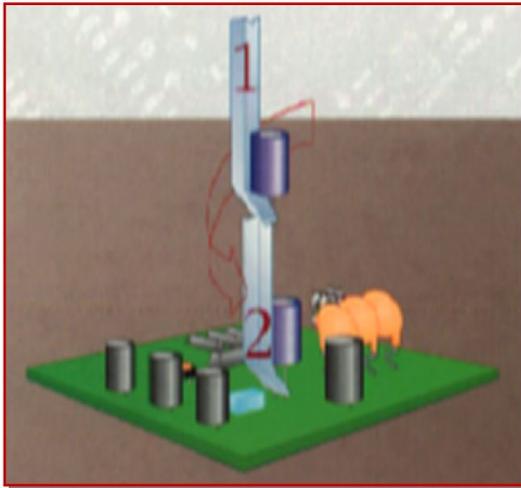


360 Degrees of Diversity

Ultimate Flexibility

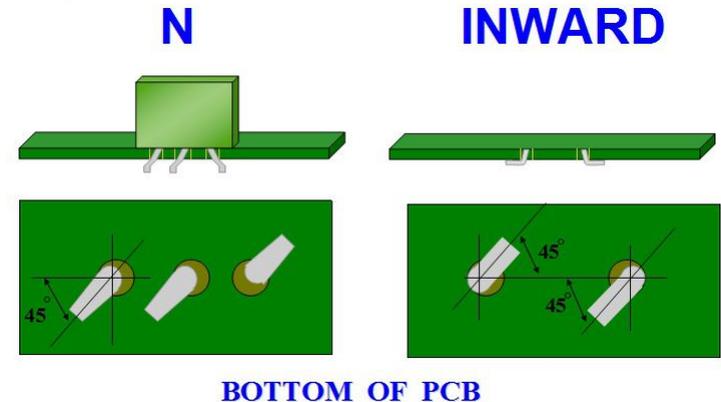
360 Degrees Insertion Angel

Radial: Insertion heads are servo-driver for precise and rapid component insertion. The insertion tooling may be rotated from 0 degree to 360 degrees in 1 degree increments.

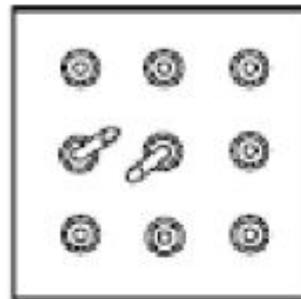


Radial Inserter S-3000

- 2.5mm Span Standard Configuration
 - Achieves High Density for tight LED & small applications.
 - 2.5mm span guide jaw with minimal width.
 - Inward clinch option to increase bottom side density
 - Prevents shorting during wave soldering.
 - Special asymmetric angles are also available on request.



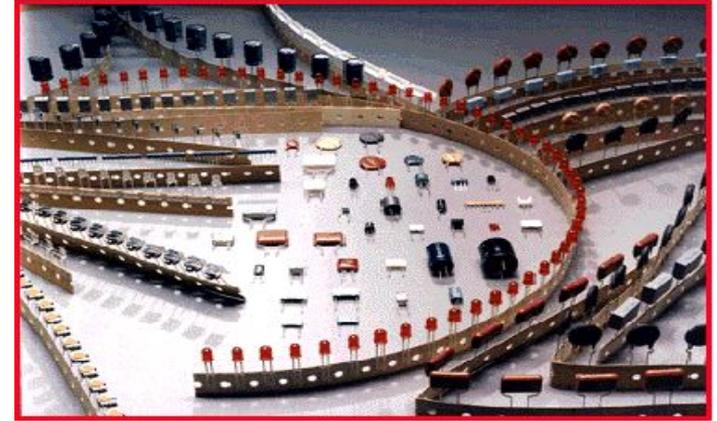
Traditional Outward Clinch



High Density Inward Clinch

Radial Inserter S-3000 Spec.

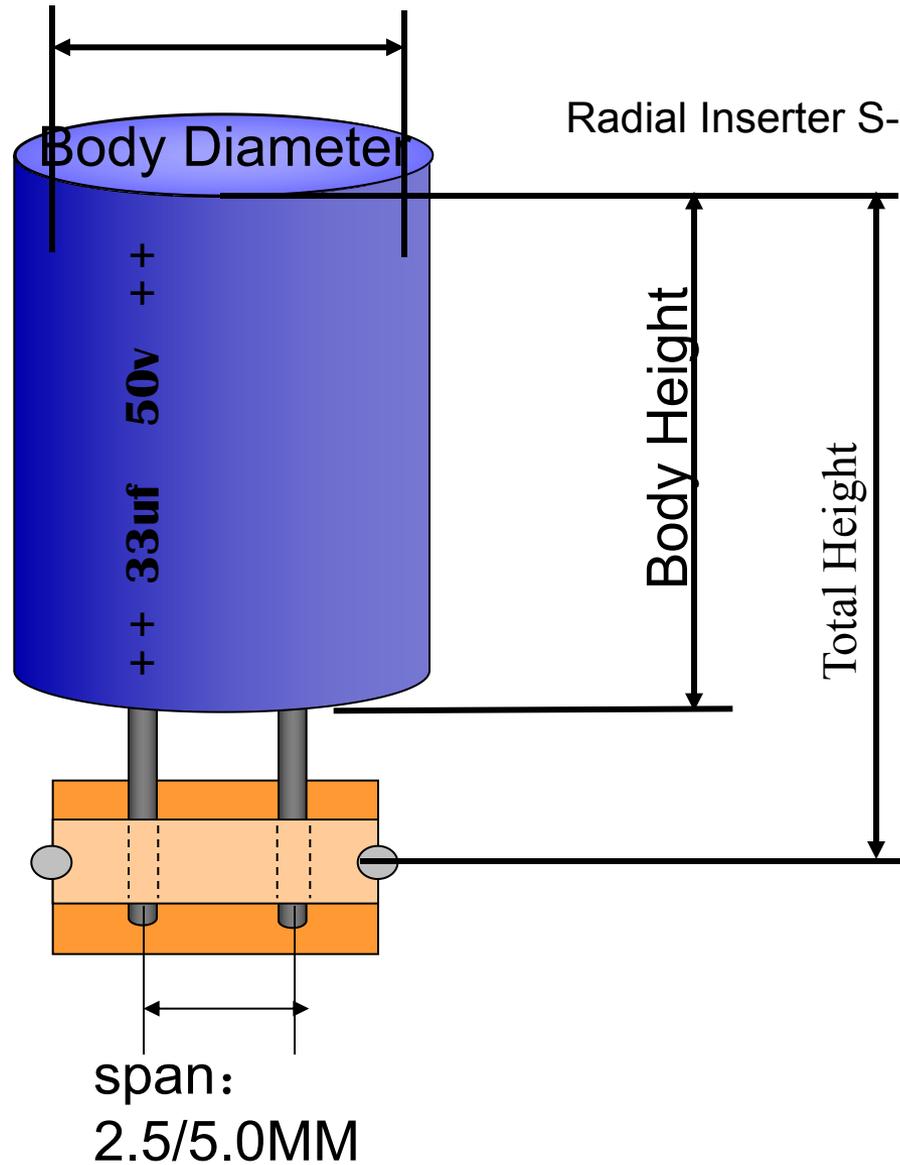
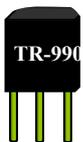
We can handle
bulk components
automatically



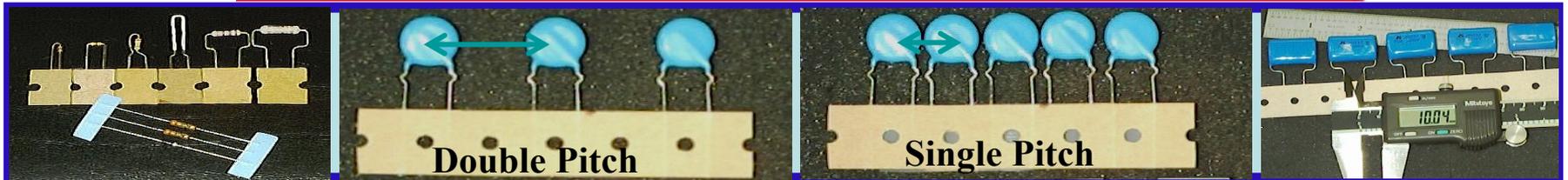
Radial

Component Specifications :

Max Body Height:20MM,
MAX Body Diameter10MM
Span: 2.5/5.0/7.5mm



Radial Inserter S-3000 Spec.



Box cap Tantalum capacitor



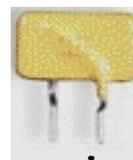
E-cap



Ceramic capacitor



Crystal



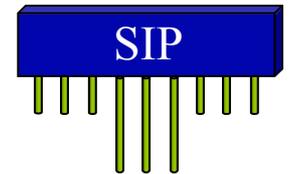
Ceramic capacitor



Transistor



LED



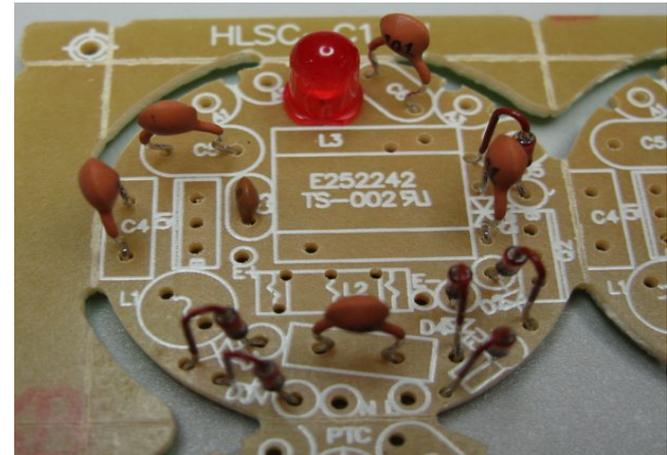
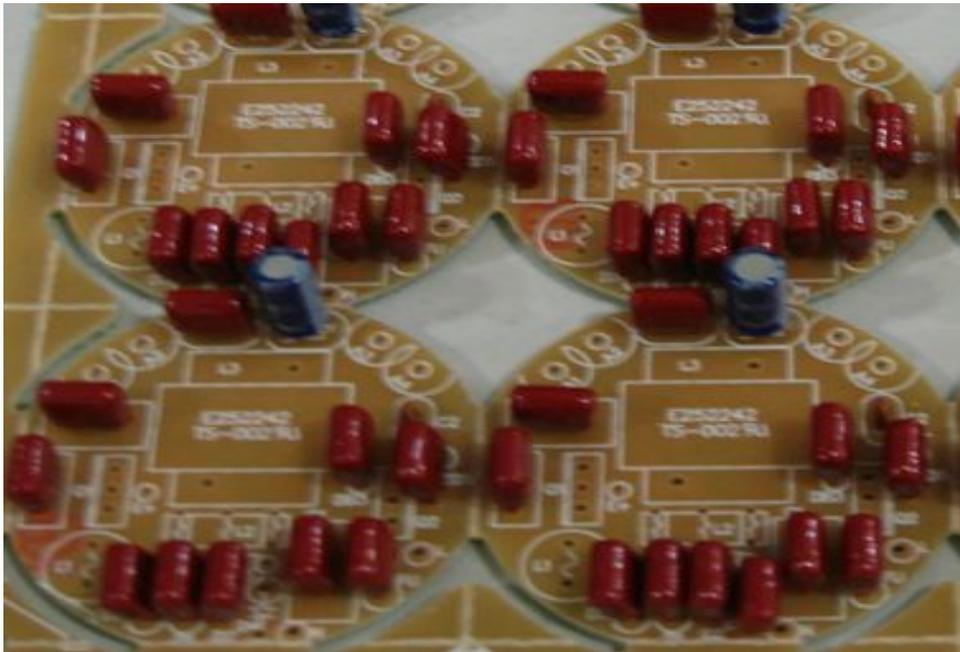
9 pin SIP

- The leads always stretch from the bottom of the component

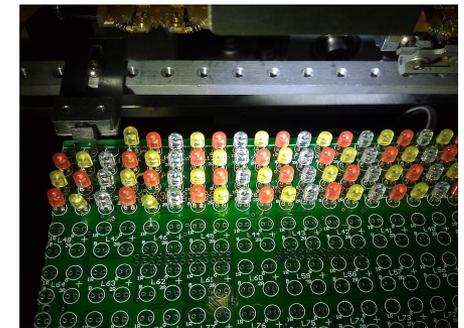
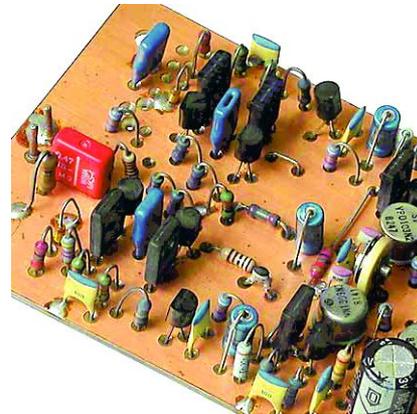
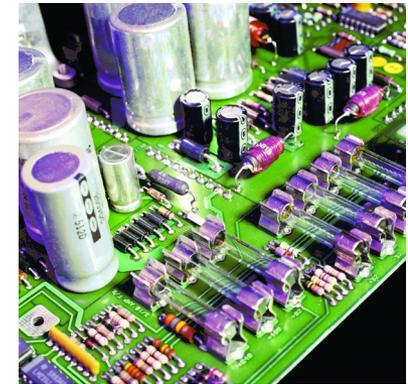
Radial Inserter S-3000 Spec.

PCB size: Max:450MM*450MM

Min: 50MM*50MM



Radial S-3000 Insertion PCB

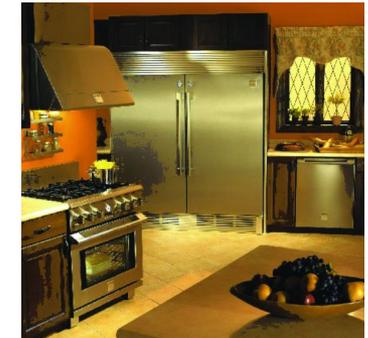


The ideal Solution for any market

- **LED application:** LED lighting, LED display, LED lights, LED control systems, LED luminous characters.

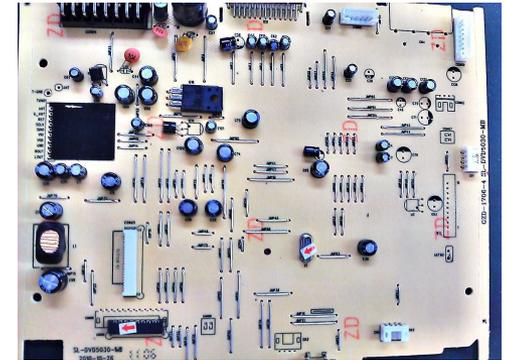


- **Electrical industries appliances:** Air conditioner, Television, Microwave, Electric cooker, Electric kettle, Induction cooker etc.

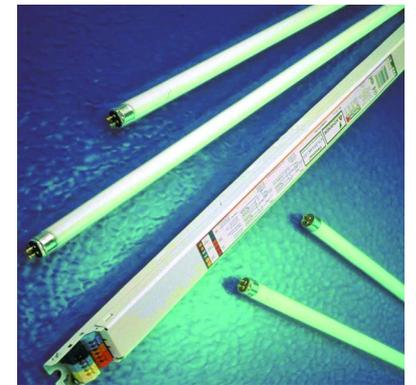


The ideal Solution for any market

- **Vehicle industries application:** Vehicle power supply, Vehicle light, Car audio etc.

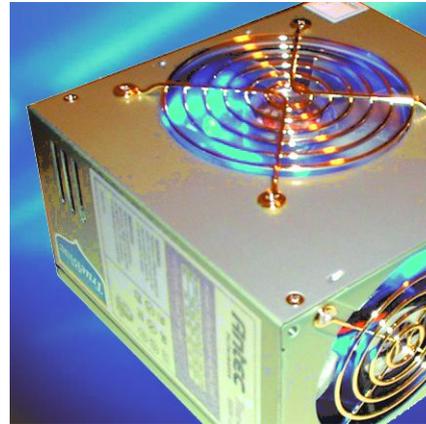


- **Energy saving lighting industries application:** Industrial lighting, outdoor lighting, street lamp, floodlight etc.



The ideal Solution for any market

- **Power supply appliance:** Vehicle power supply, Energy saving power supply, Ballast etc.



- **Other electronic industries application:** Electronic watch, Electronic Instrument, electronic spare parts etc.



Result cases



THANK YOU !

Shenzhen Southern Machinery Sales
And Service Co., Ltd.

HP: 17875423577

E-mail: zheng@smthelp.com

Skype ID: [fy_sales01](#)

Address: Room 1806, Block 3, Jinyun
COFCO, Qianjin 2 RD, Xixiang, Baoan
Dist, Shenzhen City, Guangdong
province China.