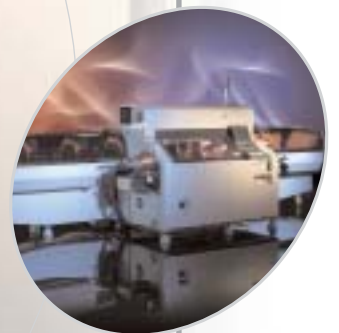


4797 HSP

enhanced
high speed placement



4797 HSP

enhanced
high speed placement

You demand a lot from your chipshooter. It's the workhorse of any SMT line, probably working harder and faster than any other installed equipment. Could you possibly ask for more?

“We have found the reliability and overall cost of ownership of the 4797 HSP is unparalleled. In addition, it provides flexibility that we have never experienced in a high speed placement system, making it the cornerstone of our manufacturing operation.”

-Jeffrey Chen
Manufacturing Manager
Foxconn Electronics, Inc.

True-value enhancements

Well, maybe placing larger components would help you balance your line.

Or compatibility with large format panels might enhance your offering to customers in telecom or high performance computing.

On the other hand, a reduced machine footprint could unlock extra returns from your shop floor real estate.

Universal Instruments' 4797-series HSP platforms deliver all this and more to help maximize your manufacturing efficiency. You can place components from miniature SMD passives to large, fine pitch QFPs, BGAs, or CSPs in a wide range of tape widths. And take advantage of the largest board-size capability of any turret-style placement machine, or compact footprint models when floor space is limited.



Utilization-oriented design

But the 4797-series HSP delivers even more fundamental and far-reaching bonuses; its technically advanced design minimizes the number of moving parts and critical axes to dramatically enhance reliability. Add non-contact nozzle changing, as well as its oil-cooled gearbox, and the 4797 HSPs low maintenance translates to a powerful saving in cost of ownership.

This blend of simplicity and advanced technology also makes 4797 HSP platforms easier to optimize, and ensures greater utilization than other high speed placement systems, such as multi-gantry machines. You can also change nozzles during production to achieve an optimal configuration for each product and reduce inefficient spindle skipping.

Maximizing your PPM and yield is easy; you can individually adjust the machine parameters for each component part number, and the 4797 HSP gives you the most complete tact time control of any available turret-style platform. You can also individually adjust:

- XY pick correction and auto Pick Height offset
- Component thickness check
- Closed loop feedback to placement height & stroke
- Placement speed controls: Pick; Vision Recognition; Theta; Place
- X-Y table speed
- PCB transfer speed





Ultimate productivity

When it comes to changeovers, advanced productivity features streamline the process, including extensive teach features and a high level of automation:

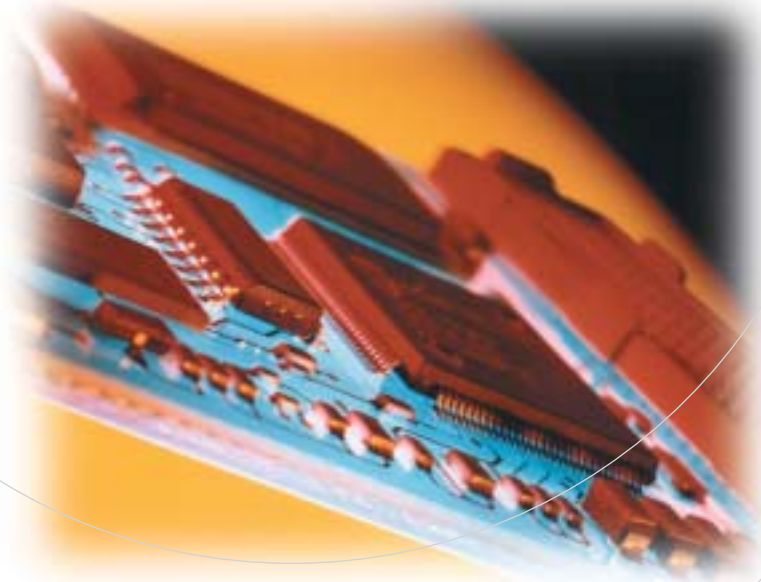
- Pattern program data teach
- Component Set-up validation
- Automatic barcode product changeover
- Blacklight PEC for ceramic substrates
- Network ready through Windows NT[®] operating system
- Traceability

In addition, "alternate feeder" and "alternate carriage" modes eliminate downtime for changeover and replenishment. Further 4797 HSP productivity features include GEM/SECSII host protocol, and support for Universal Instruments' line software.





The award winning 4797-series HSP from Universal Instruments.
Because a high speed placement system should be more than just a chipshooter.



www.uic.com
email: universal@uic.com

AMERICAS

Tel. 1-800-432-2607 or
Tel. +1-607-779-7522

ASIA

Tel. +65-6281-0991

CHINA

Tel. +86-21-6485-2858

EUROPE

Tel. +49-6101-8080

©2003 Universal Instruments
Corporation. All rights reserved.
All specifications are subject to change.

MC-3685 07/03

A  COMPANY

