Universal Instruments

RVSI

Remanufactured VCD Sequencer / Inserter

High-Performance Axial

sequencer/inserter for

demanding production

A Remanufactured VCD Sequencer / Inserter (RVSI) offers reliable, efficient insertion of axial components and jumper wires. In one process, an RVSI sequences and inserts class A-52mm axial components and jumper wires in a predetermined pattern at the highest throughput rates possible. A wide range of available remanufactured models ensures you get the cycle rate that's appropriate for your manufacturing requirements at a price that fits your budget.

With insertion speeds ranging up to 25,000cph, the RVSI delivers exceptional value by offering consistent, high throughput regardless of component type. The expandable sequencer provides up to 220 input stations, which reduces component changeover by allowing dedicated stations for the most frequently used components. Models are available as either manual load or with automatic board transfer.

Machine Specifications

	Model R6241D	Model R6241F
Cycle Rate	16,000 cph (0.23 sec. per insertion)	25,000 cph (0.14 sec. per insertion)
Head Axis Drive	Pneumatic	DC Brush-less Servo-drives
Component Class	I, II, III	I, II
User Interface	UICS (DOS-based)	IM-UPS (Windows-based O/S 2)

Component Types

Capacitors, resistors, diodes, jumper wire, etc.

Component Specifications

	Component Class I	Component Class II*
Distance Between Tapes	52.4mm +/- 1.5mm (2.063" +/- 0.059")	63.54mm +/- 1.5mm (2.50" +/- 0.059") ** Quantity of locations for Class II components is limited.*
Pitch	5.08mm (0.200") or 10.16mm (0.400")	10.16mm (0.400") pitch not recommended for Class II input
Replenishment	Components may be replenished without stopping production	
Hole Span	**Standard Tooling** Minimum – 7.62mm (0.300") Maximum – 24.13mm (0.950")	**5mm Tooling** Minimum – 5.00mm (0.197") Maximum – 21.59mm (0.850v)
Component Body Diameter	**Standard Tooling** Minimum – Wire lead diameter Maximum – 10.69mm (0.420") minus 2 times board thickness	**5mm Tooling** Minimum – Wire lead diameter Maximum – 11.68mm (0.460") minus 2 times board thickness *(At 5mm span, max component body dia is 2.29mm (0.090")*
Lead Wire Diameter	**Standard Tooling** Minimum – 0.38mm (0.015") Maximum – 0.81mm (0.032")	**5mm Tooling** Minimum – 0.38mm (0.015") Maximum – 0.81mm (0.032")

Machine Options & Features

Board Handling	Manual (non-CE Compliant) or Automatic PCB Load/Unload (CE Compliant)
Sequencer Size	Up to 220 inputs (in 20 station increments)
Insertion Tooling	Standard or 5mm
Jumper Wire	Bulk Jumper Wire Dispenser System – processes jumper wires from a continuous spool of wire
Board Error Correction (BEC)	BEC feature compensates for PCB pattern errors
Component Verification	Expanded Ranger Verifier (ERV) ensures operator accuracy of component loading

Certification Stands for Quality

"Universal Certified" remanufactured surface mount and through-hole machines offer proven Universal reliability and throughput at lower-than-new prices. Universal Certified remanufactured solutions are available only from the Remanufactured Machine Division of Universal Instruments. This designation means the equipment has been fully remanufactured to meet or exceed original specifications, and includes the latest upgrades. Full field installation, an "as new" warranty, quality assurance documentation, and global technical and customer support accompany these machines. For additional information, please visit our website at www.uirmd.com, or email us at info@uirmd.com.

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. +86-755-2686-0160

EUROPE
Tel. +36-23-445500

MC-4089 11/04

A DOVER COMPANY