

APPLICATION NOTES

An Efficient Way to Deliver SMT Components to Your PCB When Tape & Reel Packaging is Not a Viable Option

Some surface mount components do not lend themselves well to being packaged on tape & reel due to their shape – relatively tall compared to their diameter is a typical problematic characteristic. These types of parts may only be available packaged in bulk; this can be a challenge for PCB assembly. For low volume assembly of discrete components such as nail-head style pins or flat bottom receptacles, hand placement or a semi-automated system may be acceptable. For medium to high volume assembly, a more efficient process is necessary.



UMG Technologies, Inc. offers a pin feeder solution to handle bulk SMT components that works with your existing placement equipment. Read on below to learn about the features and capabilities of their SMV-90 Bulk Fed SMT Pin Feeder. You can also contact our technical services staff for more information on automation options or to discuss your application and how we may be able to address your needs.



U M G Technologies, Inc.

INDUSTRY EXPERTS IN ELECTRONIC ASSEMBLY EQUIPMENT



When the marketplace asked for a price performing, reliable feeding solution for bulk fed SMT interconnects, we listened--

Introducing **The SMV-90 Bulk Fed SMT Pin Feeder**



Our SMV-90 is a proven cost effective, intelligent feeding solution for medium to high volume SMT pin assembly.

The System Features:

- Presentation Rates Up to 5,400 CPH
- Simple Man Machine Interface
- Off-the-Shelf Technology
- Keyence and Omron Electronics
- SMC Pneumatics
- Compact Ergonomic Design/Professional Appearance
- Patent Pending Pin Transfer Technology
- Presents SMT Pins, Sockets, Receptacles, Solder Turret Terminals, Multi-Finger Contact Pins, Jumpers & Shunts and Custom Terminals to your SMD Placer or Robotic Work Cell
- Optional European Conformity



If you are considering an interconnect feeding project for your placer, there's technology you should know: **The SMV-90 Bulk Feeder**

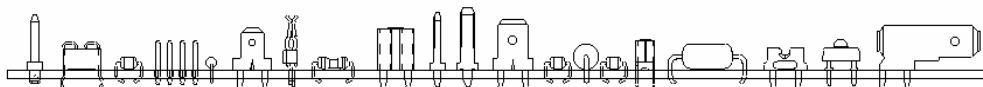


An Innovative, reliable, and a technically superior solution that is years ahead of our competitors.

UMG Technologies, Inc.

Industry Experts in Electronic Assembly Equipment

6A Electronics Avenue Danvers, MA 01923 Tel (978) 739-1555 Fax (978) 739-1546 e-mail sales@umgtinc.com





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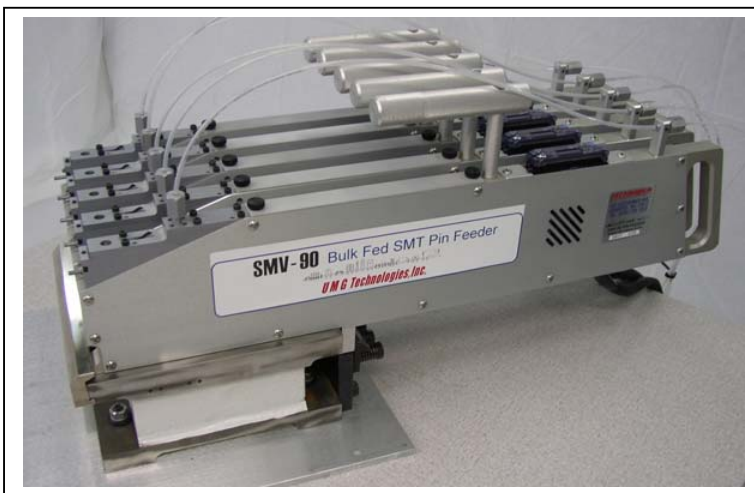
The SMV-90 Bulk Fed SMT Pin Feeder Base System can be provided with an Optional Dual Feeder for Increased Throughput and Alternate or Gang Picking



SMV-90 SMT BULK INTERCONNECT FEEDER

DUAL LANE INTERCONNECT PRESENTATION:

- The optional Dual Pin Feeder Supply provides obstruction free part presentation for dual lane interconnect device picking. The unit provides compatible SMT machine mounting and allows one SMV-9010A Bulk Pin Hopper Base Frame and Control Unit to support an additional pin supply feeder.
- This option provides up to 30% increased throughput.
- Dual Lane Picking is a field retrofittable option.



FUJI COMPATIBLE GANG FEEDING SHOWN

MULTIPLE FEEDERS

- Multiple feeders provide high volume placement of interconnect pins.
- Allows your SMT Flex Placer to mount pins, sockets, jumpers and stand-offs in bulk input format.
- Each SMV-90 Base Unit can support two Flex Placer compatible feeders.

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