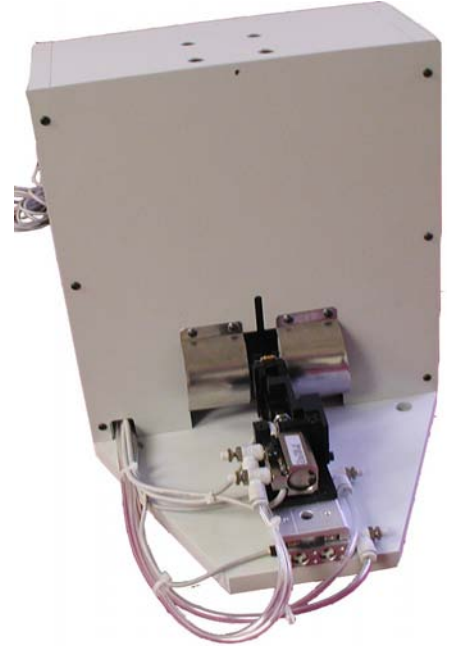


ROBOTIC LEAD FORMING

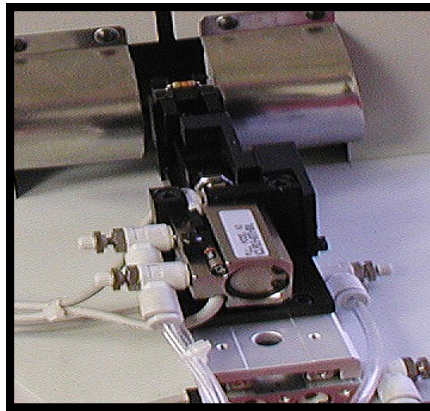
For over 30 years Manix Manufacturing has been the leader of standard and custom component lead cutting and forming systems. Due to the rise of robotic insertion of leaded components, Manix has developed stand-alone lead formers which easily mount onto new or existing robotic assembly lines. Axial, Radial, Flatpack, and even ICs can be cut and formed to your exact specifications and presented on demand to your robotic pick-up. Each system is designed to fit your needs. Manix begins with a standard platform and together we determine the best set-up for your robotic cell.



SHUTTLE PICK-UP

- Shuttle Presentation
- Optional Component Grippers
- Stroke Sensors
- Air Manifold for Easy Hook-Up
- Precision Base Plate
- Vision Brackets
- Linear Motion

Our shuttle pick-up lead former is the easiest to interface. Once the component is cut and formed to your specifications, the finished component is shuttled to an open area. Optional component grippers lightly hold the finished component in place while the shuttle moves. Gripper tension and shuttle speed are independently controlled.



Optional shuttle table and component grippers make robotic pick-up easy.

STATIONARY PICK-UP

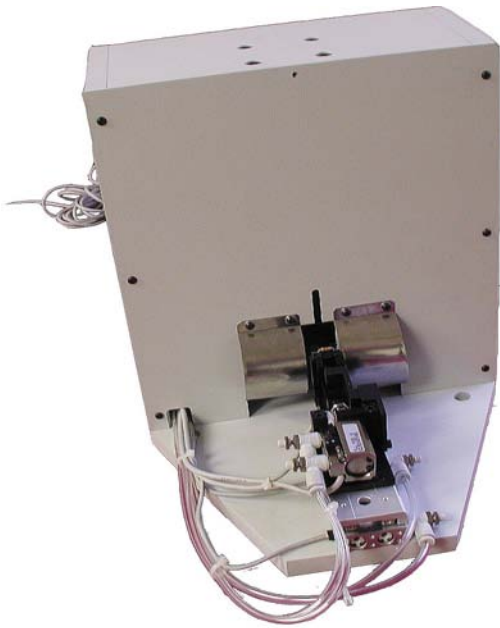
- Large Opening for Pick-up
- Lower Capital Expenditure
- Stroke Sensors
- Air Manifold for Easy Hook-up
- Precision Base Plate
- Vision Brackets
- Linear Motion

Our stationary pick-up lead former is a cost effective way to integrate your robot with our tooling. Using the same cut and form tooling and feeders as our shuttle lead former, the stationary pick-up lead former includes a large opening for the pick-up head. Both systems require air and activation inputs for feeding, and cutting/forming.

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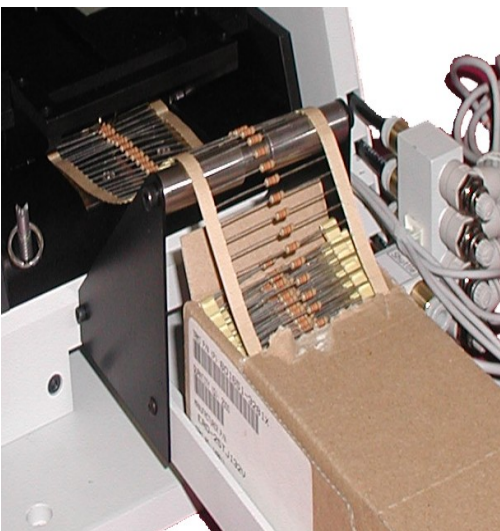
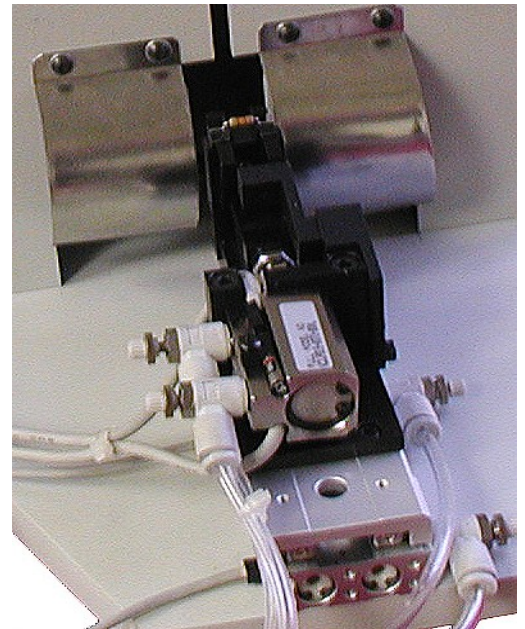
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ROBOTIC LEAD FORMING



- Stand-Alone System Requires Air to Activate.
- Separate Air Inputs for Feeding, Cutting/Forming, Shuttle Table, and Grippers.
- Mounting Holes to Meet Your Requirements.
- Stroke Sensors to Ensure Repeatability.

- Shuttle Table Presents Component for Pick-Up.
- Optional Grippers Secures Component During Transport and Ensures Perfect Pick-Up.
- Speed Control Valves Regulate System Movement.
- Tape Guides Remove Remaining Tape/Excess Leads.



- Variety of Feeding Options Available: Tape and Reel, Ammo Pak, Tube, or Tray.
- Air-Manifold Eases Set-Up Time.
- Removable Feeders Slide In and Out for Easy Access.
- Cut and Form Tooling Available for Any Component.

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