



### Benchtop Custom Circuit Assembly

Complete automatic system tooled to assemble proprietary circuits.

The RPX Series robot was chosen because of the following capabilities:

- Control of up to 6 axes
- On board expandable (100 points) inputs & outputs
- Large stable precision ground base with mounting holes
- Pre loaded ground ball screws
- Pre loaded ball slides
- Digital brushless servo motors
- Dual (linear scale) encoders
- On board vacuum system
- Hundreds of pre programmed functions for dispensing, assembly, inspection, motion, etc.

### Custom Designed Tooling

The RPX series benchtop dispensing / assembly systems features the following:

- Vertical, programmable magazine to allow assembling multiple layers of product, in this case custom PC boards.
- Back lit custom fixture pallet
- Miniature (700 micron) ball feeder
- Programmable pressure syringe dispenser
- Pick & Place with custom theta correction
- Automatic XYZ tip calibration tool

The included Windows Software Suite features a rich list of commands and functions that are easy to use and easy to understand.

