

Semi-Automatic Assembly Cells



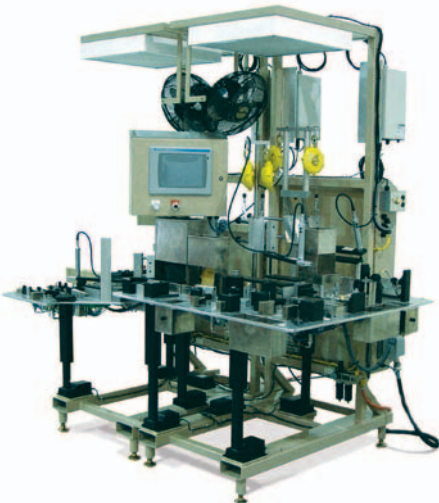
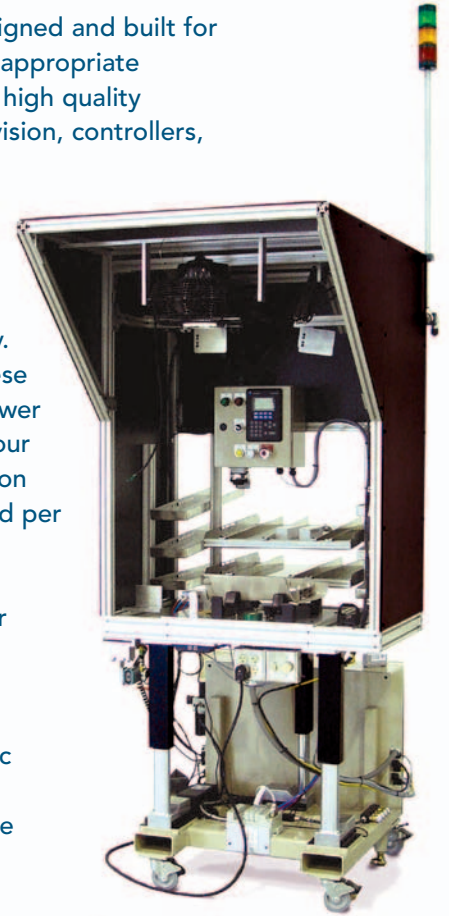
Koops Semi-Automatic Assembly cells are designed and built for single or multi-task processes, integrating the appropriate automation technologies to assure consistent, high quality assemblies: parts feeding, indexing, machine vision, controllers, screwdriver spindles and process monitoring systems. Parts fixtures and multi-axis tools assure optimum part positioning. Each cell is designed to meet your specific production requirements, with shorter cycle times, operator ergonomics and zero defect assembly. In line or end-of-line assembly and testing, these assembly cells are scalable for optimum manpower and floor space, and can be repositioned as your production requirements change. Machine vision and torque controls assure parts are assembled per specifications.

Typical Applications:

Part insertion, assembly, screw driving, adjustment, fitting, bonding, inkjet marking, labeling/barcoding, visual and electronic testing for a wide range of components including:

- Automotive brake and power train assemblies, interior trim, electronics
- Audio/visual equipment
- Household appliances
- Office equipment and furnishings
- Power tools, lawn and garden equipment

- Heavy-duty steel base frame
- Fully adjustable work surfaces for operator efficiency and ergonomics
- Portable or fixed base design
- Wide range of fixtures and servos
- Parts feeder, indexer, assembly and robotic integration
- Multi-axes screwdriver spindles with torque monitors
- State-of-the-art machine vision for position and part verification
- Full function touch screen operator interface
- PLC to your specific application
- Process monitoring and data acquisition
- Custom tooling and die sets furnished or customer supplied
- Features modified to meet your specific applications



Koops

Factory Automation Systems

Koops, Inc.

987 Productions Ct.
Holland, MI 49423
Tel: 616-395-0230
Fax: 616-395-0244
www.koops.com
ISO 9001:2000 Registration