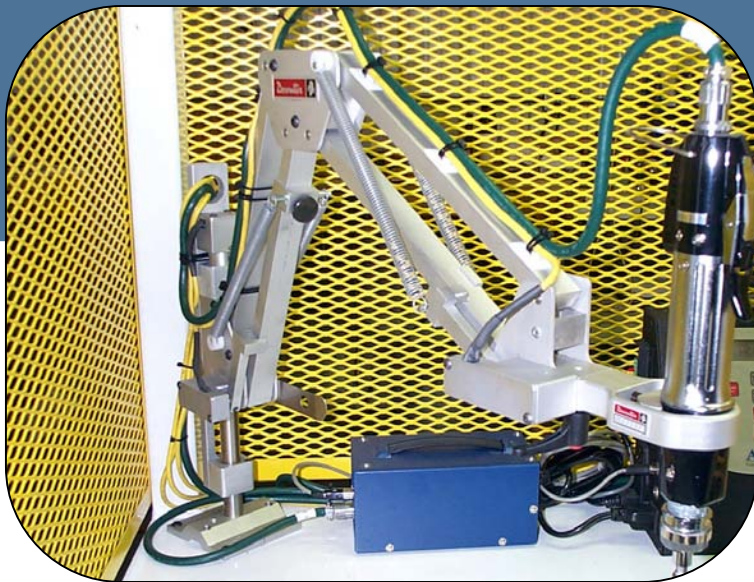
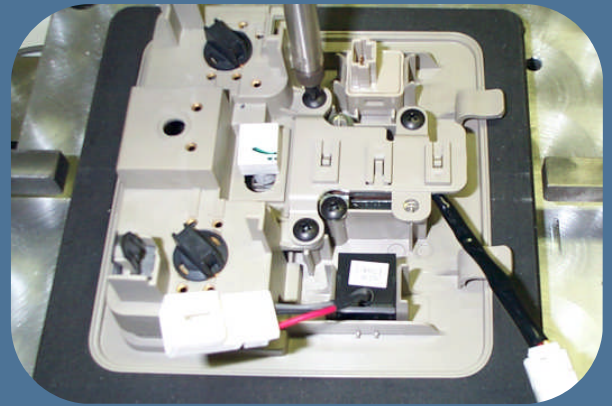
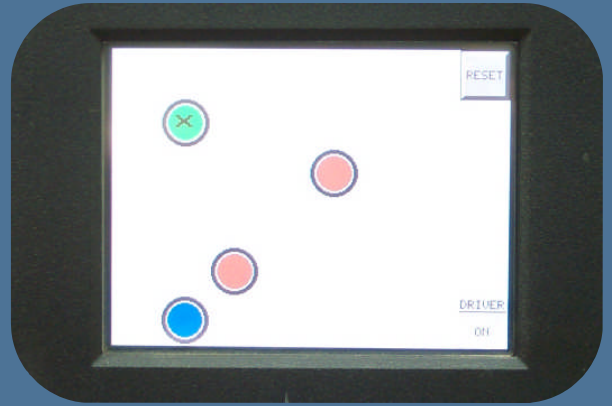


Intell X16

Assembly Location Verification System

Error Proof Operator Assembly

Fastener installation verification is one of the most challenging and costly parts of assembly.



Intell X16 was developed as a low cost screw installation verification system. We have since expanded its uses to any hand assembly.

These include but are no limited too:

- ◆ Screw Driving
- ◆ Pop Riveting
- ◆ Ultrasonic Welding
- ◆ Clip Driving

Intell X16 is a location feedback system that verifies fastener location at the time it is qualified. Through this method we can guarantee the correct installation of a fastener without physically detecting the fastener.

Reusable technology that actually saves you money, improves product quality and saves man power costs.



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Capabilities:

- ✓ Validate all fasteners are present and installed prior to part release
- ✓ Choose ordered or random assembly
- ✓ Select different torque parameters at each fastener location
- ✓ Select driver active only at correct fastener location
- ✓ First part assembly teach
- ✓ Multiple program storage
- ✓ Select I/O for cycle start, part present, components present, valve control, etc....



Teach Part



Select the number of fasteners and assembly part. System is now taught.

Assembly Statistics



Review the last 100 parts that have been assembled. How long is assembly taking?

Feedback Tolerance



You set the tolerance. You determine how sensitive the system is.

RISK, QUALITY INSPECTION AND COST COMPARISON

EQUIPMENT USED	RISKS	ADDITIONAL COST REQUIRED TO VERIFY CORRECT INSTALLATION
Driver without a balancing arm, without a driver qualifier and without the Intell X16	<ul style="list-style-type: none"> ● Missing screws ● Stripped screws ● Unseated screws ● Assembled out of order ● Non ergonomic and operator fatigue ● Customer penalties and sorting expenses 	<ul style="list-style-type: none"> ● 100% quality inspection (80% reliable and cost of inspector) ● Secondary inspection equipment (Costly capital and cost of an operator)
Driver with a balancing arm, without a driver qualifier and without the Intell X16	<ul style="list-style-type: none"> ● Missing screws ● Stripped screws ● Unseated screws ● Assembled out of order ● Customer penalties and sorting expenses 	<ul style="list-style-type: none"> ● 100% quality inspection (80% reliable and cost of inspector) ● Secondary inspection equipment (Costly capital and cost of an operator)
Driver with a balancing arm, with a driver qualifier and without the Intell X16	<ul style="list-style-type: none"> ● Missing screws ● Assembled out of order ● Customer penalties and sorting expenses 	<ul style="list-style-type: none"> ● 100% quality inspection (80% reliable and cost of inspector) ● Secondary inspection equipment (Costly capital and cost of an operator)
Driver with a balancing arm, with a driver qualifier and with the Intell X16	<ul style="list-style-type: none"> ● Happy Customers 	<ul style="list-style-type: none"> ● None

- *Adapts to any standard manufacturer arm or custom arm*
- *Works with all manufacturers air & electric qualifiers*
- *Minimum qualifier capabilities required to produce an accept output*