![Creative Automation logo]

Our innovative assembly systems increase efficiency at every turn.

PROBLEM

Manual assembly can be labor intensive, inefficient, and prone to error. Nor does it lend itself to data collection, making problems harder to spot.

SOLUTION

Smart manufacturers rely on well-designed automated or semi-automated assembly processes to reduce errors, conserve floor space, increase precision, improve cycle time, improve efficiency, reduce costs, and track data for quality control and Lean process improvement.

By tracking parts as they are assembled and combining that with data from the actual assembly operations (such as press force, torques, speeds, etc.), manufacturers can identify bottlenecks, error sources, and root causes quickly and precisely. They can then develop solutions more rapidly for improving their process.

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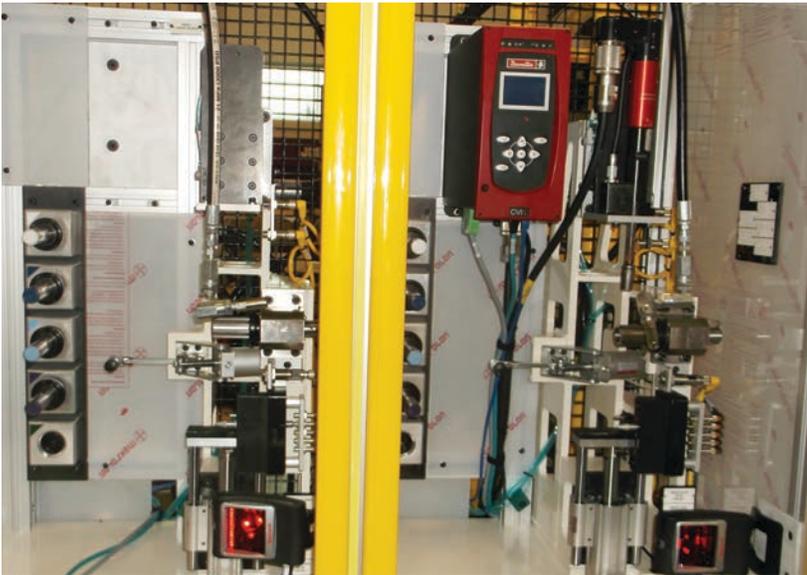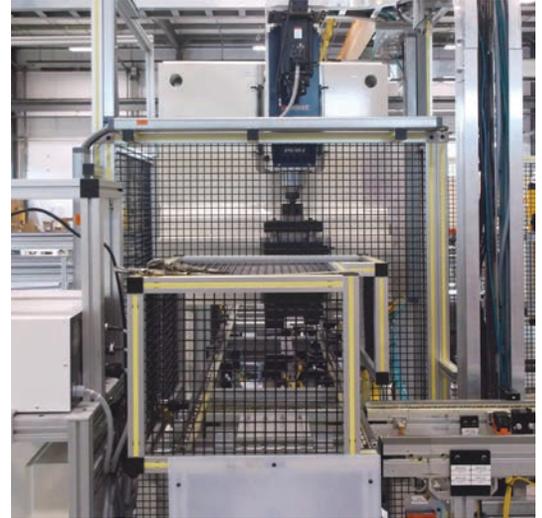
OUR EXPERTISE

Creative Automation has decades of expertise with a variety of assembly solutions, ranging from operations as simple as bolting two parts together to more complex lines that completely assemble a family of parts.

For example, with one customer, we designed and built a line with 130+ part numbers. Starting with base components, the part went through a dozen distinct operations including press operations, clip insertions, torqueing, and the final greasing and testing operations. Through each step the part was tracked, and data from each operation was fed into the factory information system for analysis.

The end result was the line needed significantly fewer operators, and cycle times improved. Plus, the new assembly line took up to 40% less floor space than its predecessor.

INDUSTRIES SERVED
- *Automotive OEMs*
- *Tier 1 Suppliers*
- *Truck Part Suppliers*
- *Aerospace*
- *Other Manufacturing*

BENEFITS
- *Improve efficiency*
- *Reduce errors*
- *Reduce floor space*
- *Increase precision*
- *Improve cycle time*
- *Fewer operators*

How could an improved assembly process advance your business and improve your bottom line?

TALK TO THE EXPERTS AT CREATIVE AUTOMATION TO FIND OUT.