

**TOOLS AND SOLUTIONS
FOR CRITICAL INDUSTRIES**



THE MOST SUCCESSFUL BUSINESSES ARE NEVER SATISFIED

**SNAP-ON HAS THE RIGHT PEOPLE
AND THE RIGHT TOOLS TO HELP YOUR
BUSINESS OPERATE MORE EFFICIENTLY**

Snap-on Industrial Solutioneers are uniquely qualified to assist your organization. They have the training and experience to assess your tooling and tool use needs, and are supported by a company with the expertise and resources to create innovative solutions that reduce waste, improve productivity, and enhance your value to your customers. Let us show you how.



RAPID CONTINUOUS IMPROVEMENT



Snap-on

RCI SUCCESS STORIES

Snap-on has provided lean process solutions in a variety of demanding industries. Our approach begins with observing the work in progress and participating in customer-driven lean events. Working closely with our customers, we've jointly developed solutions that:

- Generate substantive “value added” improvements
- Eliminate waste
- Maximize the tooling and tool usage opportunities created by applying lean philosophies, such as 5S and Kaizen



PROCESS IMPROVEMENT

An aerospace customer utilized a 6-step drilling process in a door assembly operation. The procedure called for drilling holes using a hand-held drill, and changing the drill bit for each of the 6 steps. The work was time-consuming, physically demanding, and required frequent breaks.

Snap-on Industrial Solutioneers developed an alternative method that added a “zero-gravity” tool-holding system utilizing multiple drills. This improvement produced a 75% reduction in the process time, resulting in substantial cost savings, and the enhanced ergonomics greatly reduced the number of required rest periods for the technicians performing the task.

5S, VISUAL DISPLAY AND WORKPLACE LAYOUT

A transportation customer was experiencing significant tool loss from its shop floors, resulting in annual expenditures of \$1M for tool replacement. Additionally, tool box change-overs for each shift cost numerous hours of productivity for each technician, every day.

Working closely with our customer’s lean process personnel, the Snap-on team recommended decentralizing the tool storage facility and installing several strategically-placed Automated Tool Control (ATC) boxes. Several technicians are now able to work from one box, with complete accountability. The customer realized a reduction in tool retrieval time of 2 hours per technician per day, and reported zero tool loss in the first six months in the areas in which the ATC boxes were implemented.

CUSTOM LEAN SOLUTIONS

A customer working in a demanding environment asked for our assistance with a difficult challenge. The customer was consuming one standard LDH342 socket for every two fasteners that were applied. Employing lean processes and concepts, Snap-on Industrial Solutioneers developed a custom-designed socket that features:

- Steel alloy especially suited for the application
- Increased wall thickness
- A more deeply beveled face
- Hex modification
- Modified heat treatment process

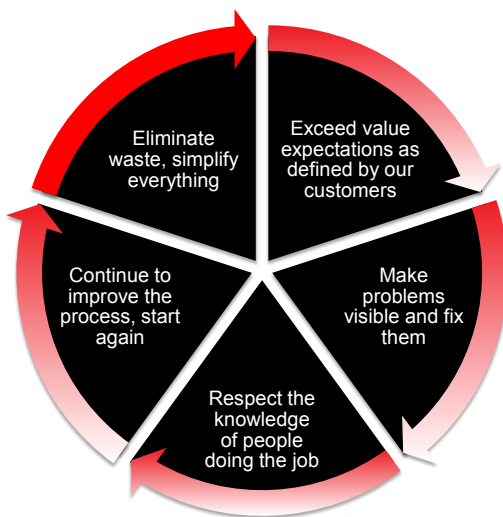
The new socket tightens 70+ fasteners without failure, improving productivity and reducing cost.

RCI IN ACTION

WHAT IS RAPID CONTINUOUS IMPROVEMENT (RCI)?

Along with Snap-on, some of the world's largest and most successful organizations, in industries like manufacturing, technology, energy, and transportation, have implemented sophisticated business philosophies like Six Sigma, Lean Thinking, The 80/20 Principle and Kaizen. A central theme that runs through all of them is the idea of continuous improvement.

Snap-on embraces the best tools from all of these approaches in our Rapid Continuous Improvement (RCI) program. Our ultimate goal is to eliminate waste in Snap-on processes and make improvements in quality, delivery and cost, all while delivering optimal value to our customers.



WHY SNAP-ON USES RCI

We recognize that there is always opportunity to grow and improve, which is why all of our business activities align to the 5 key areas of RCI:

1. Eliminate waste by simplifying the process
2. Add value for the customer
3. Identify and correct problems
4. Empower key people
5. Improve continuously

RCI allows Snap-on to deliver what our customers want, when they want it, how they want it—and at the best value.

SNAP-ON HAS PROVEN SUCCESS WITH RCI

RCI is in our company DNA. At Snap-on, we are focused on enhancing our customers' satisfaction by continually strengthening our company's financial health, fine-tuning internal processes, and improving efficiency. This commitment to RCI has produced gratifying results. Between 2007 and 2014, sales per Snap-on Account Manager have increased by an impressive 46%.



DID YOU KNOW?

Snap-on Account Managers complete RCI training at the Pyzdek Institute, a leader in process excellence training. We also have a staff of RCI Solutioneers who have received a higher level of RCI training from Villanova University.

COUNT ON SNAP-ON TO SUPPORT YOUR LEAN INITIATIVES

Our approach isn't based on assumptions or cookie-cutter recommendations. Employing lean management concepts, we'll take the time necessary to learn about your business, identify areas for improvement, and deploy specifically designed products and systems that produce measurable results. For example, we can help you:

1. Increase productivity by specifying tools that make everyday tasks faster and safer
2. Identify improper and unsafe use of tooling in production, maintenance, and operating workplaces
3. Relocate tool storage to reduce wasted retrieval time
4. Recommend more efficient tool storage and tool control solutions to manage inventory and drive accountability
5. Develop and manufacture custom tools that are not off-the-shelf, but customized exactly to your needs

TOOLS TO HELP YOU SUCCEED

Among the many lean process solutions that result from the collaboration of Snap-on Industrial Solutioneers, engineers, and our customers, are a variety of asset management systems. These innovative approaches to tool control are designed to support lean initiatives by enhancing productivity, accountability, and safety; minimize tool replacement expense; and help reduce the likelihood of foreign object damage (FOD) in a number of critical industries.

ASSET MANAGEMENT SOLUTIONS



The Snap-on Level 5™ Automated Tool Control System is the most comprehensive program of its kind in the industry. Using advanced digital imaging technology and proprietary software, ATC automatically keeps track of its inventory by user and records which tools are removed and replaced—all in real time. See *Snap-on Industrial CAT1300i*, pages N038 - N041.



The Snap-on Visual Control Cabinet features a clear, abrasion-resistant polycarbonate window that gives you a full view of your tools for instant accountability and inventory management. See *Snap-on Industrial CAT1300i*, pages N028 - N029.



The Snap-on Bulk Storage Cage offers “at-a-glance” storage with a durable chrome finish and an open cage design, making it easy to take inventory of your valuables from any vantage point—without ever entering the cage. The optional keyless entry system can be programmed for up to 3,000 users. See *Snap-on Industrial CAT1300i*, page N031.



DROP PREVENTION SOLUTIONS

Snap-on designed Tools@Height, a tool drop prevention system for applications involving work being performed at height, and anywhere else dropped or falling objects are a concern. In the industry's most comprehensive drop prevention program, all tools are engineered with a tethering system to maintain or enhance the tools' functionality when used at height or near critical assemblies. See *Snap-on Industrial CAT1300i*, pages N202 - N250.

STORAGE AND ORGANIZATION

Snap-on has many options for organizing tools: mobile storage cases, bags, shadow boards, foam inserts for portable cases, custom foam layouts for tool box drawers, and more. When you're highly organized, you're highly productive. See *Snap-on Industrial CAT1300i*, pages N042 - N047.



SAFETY PRODUCTS

With Snap-on Safety Equipment, from basic safety glasses to innovative face protectors and more, your employees can do their jobs safely, productively, and comfortably. A safe shop means that everything is protected—you, your employees and your assets. See *Snap-on Industrial CAT1300i*, pages 729 - 740.



CUSTOM MANUFACTURED TOOLING SOLUTIONS

Snap-on is the worldwide leader in custom tool design and production. We use a total team approach that includes specialists who work with you to analyze the task, the application and the technician—to get to the optimum custom tool solution. The process, the production, the product—everything—is Snap-on, right down to the ergonomics. We design it. We build it. We make it fit. We stand behind it.



READY TO START?

With the increased competitive atmosphere across critical industries, there is no better time than now to start your journey to leaner, more efficient processes. Snap-on Industrial has the Solutioneers, products and programs you need to take immediate action to improve a specific operation, project or process.

How can we put our Rapid Continuous Improvement capabilities to work for you?



To learn more, contact your Snap-on Industrial Account Manager or call the Snap-on Industrial Customer Service Center 1-877-740-1900. To view our Industrial website go to www.snapon.com/industrial

