

Risk Engineering Solution Suite for Plastics Manufacturers



Risks facing plastics manufacturers today impact productivity, customer relationships and profits.

The manufacture of plastic products and components is critical to countless other industries and to virtually all aspects of our daily lives. But as an industry, plastics manufacturers face many operational and workplace risks, ranging from worker slips & falls and sprains to heightened fire risks posed by the manufacturing process. Plastic manufacturers need to identify, assess and mitigate those risks as part of their risk management program. Zurich can help. We understand your challenges based on our cutting-edge predictive analytics – powered by tools that include artificial intelligence, cognitive computing and smart algorithms. Zurich understands the best practices to address your risks. Our expertise is identifying, assessing and helping you address risk. **The Zurich Solution Suite** was built with your risks in mind based on our experience and in-depth analysis of industry claims and trends.

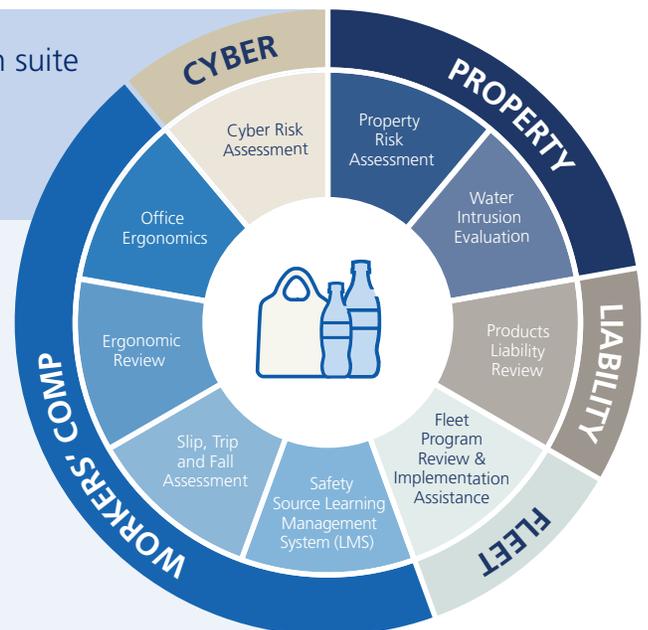


The Zurich Solution Suite can help you reduce your risks

Business leaders trust Zurich to keep them current with the latest risk intelligence to more effectively manage their evolving business needs. By collaborating with our risk specialists, you too can gain the knowledge you need to manage your risk.

Creating a solution suite for plastics manufacturing couldn't be easier

- Simply pick the combination of services you desire.
- Reach out to your Risk Engineer for additional information.



Nearly **38K fires** each year at industrial and manufacturing properties cause an estimated **\$1.2B in property damage**¹



U.S. employers pay out **\$1B per week in workers' comp costs**³



The total cost of **workplace injuries** in 2017 was **\$161.5 billion**²



Work-related motor vehicle accidents **cost U.S. employers more than \$57B** in 2017⁴



923M connected devices (Internet of Things) projected in manufacturing environments by 2020⁵

Risk Engineering Services for Plastics Manufacturers

Zurich customers have access to a dedicated Risk Engineering Services Coordinator who can help guide you to the right services for your company. The Solution Suite consists of services to address the most frequent and severe risks in your industry. These services are offered for a fee to help you address the major exposures you face:

- **Property Risk Assessment** – Identifies and assesses hazards, exposures and controls relevant to your property insurance program with Zurich. Includes loss mitigation resources and risk improvement actions, as well as a benchmarked assessment report including loss expectancy calculations. Manufacturers have many [unique property exposures, such as hard-to-replace equipment](#), that could lead to production shutdowns and the loss of business. Understanding your exposures and how to address them is good risk management.
- **Water Intrusion Evaluation** – Assesses various facility features, exposures and controls relative to water intrusion and water damage risks that commonly affect a facility. The evaluation provides a summary report and recommended actions to address exposures. For example, [a free-flowing domestic water line can fill a swimming pool in a few hours](#).⁶ In your facility, that can mean clean-up, mold abatement and possibly loss of materials and equipment. Build your company's resilience against water-related damages.
- **Ergonomic Review** – Strains are the leading category of workers' compensation claims for manufacturing. From our analysis, [even a minor strain injury can remove a worker from the production floor for about four weeks](#), impacting production, quality and co-workers' morale and stress.⁷ A strategic Zurich service provider will analyze risk factors that contribute to strains and other soft tissue injuries at a workstation.
- **Office Ergonomics** – While soft tissue injuries on the shop floor get a lot of attention, ergonomics in the office are no less important. [Repetitive motion injuries and low back strains can result from poorly designed, arranged workstations in your offices](#). A Risk Engineering professional will evaluate office ergonomics and provide recommendations to address concerns.
- **Slip, Trip and Fall Assessment** – Assesses STF exposures using Zurich's 10-point STF rating system. Designated areas of your facility are evaluated, rating each contributing factor's potential from very low to very high. Risk reduction strategies are developed to minimize the contributing factor potential. [A minor slip and fall that requires medical attention can cause the employee to lose as much as two weeks of work](#), with resulting impacts on production, quality and, potentially, morale. Taking steps to address slips and falls can make a large impact.
- **Fleet Program Review and Implementation Assistance** – Zurich will evaluate your fleet program and provide feedback, including sample program elements aligned with industry and American National Standards Institute (ANSI) standards. Almost 40,000 people die on U.S. roads each year. [Motor vehicle crashes are the leading cause of occupational fatalities in manufacturing](#).⁸
- **Products Liability Review** – We evaluate your product liability exposures from design to delivery, including labels and instructions. [Defending a products-related suit can tie up employees and resources for years](#). The case itself may undermine the confidence of your customers in the quality of your products.
- **Safety Source Learning Management System (LMS)** – An LMS allows your company to choose and assign training to your employees. The training can be [completed at the times most convenient for you and the employee, even remotely](#). Completed training is recorded in the LMS, documenting compliance and understanding. A catalog and free previews are available at [safetysourceonline.com](#). Track required training via the learning management system.
- **Cyber Risk Assessment** – Zurich Cyber Risk Engineers review your exposures and controls, offering improvement ideas that can strengthen your overall cybersecurity program. According to a recent study, [most small-medium enterprises go out of business within six months of a cyber attack](#).⁹

Contact Zurich's Risk Engineering department to learn more at: 800-982-5964

Sources:

1. Campbell, Richard. "Fires in Industrial and Manufacturing Properties." National Fire Protection Association. March 2018.
2. Work Injury Costs. National Safety Council. <https://injuryfacts.nsc.org/work/costs/work-injury-costs/>
3. "Business Case for Safety and Health." U.S. Department of Labor – Occupational Safety and Health Administration.
4. Vehicle accidents cost companies \$57B in 2017. FleetOwner. 20 April 2018.
5. Greenough, John. "How the Internet of Things is revolutionizing manufacturing." Business Insider. 12 October 2016.
6. Calculated based on average flow from a domestic water line and volume of a small swimming pool. 8000 gallons in 3 hours.
7. Analysis of WC data for Mfg industry, strains – looking only at the indemnity portion of claims in the 0-10K cost band; used \$15 per hour, 40 hours per week as the denominator.
8. "CDC – Motor Vehicle Safety at Work: Resources: Motor Vehicle Crash Facts - NIOSH." Centers for Disease Control and Prevention, www.cdc.gov/niosh/motorvehicle/resources/crashdata/facts.html.
9. "The Need for Greater Focus on the Cybersecurity Challenges Facing Small and Midsize Businesses." SEC Emblem, 19 Oct. 2015, www.sec.gov/news/statement/cybersecurity-challenges-for-small-midsize-businesses.html.

Zurich

1299 Zurich Way, Schaumburg, IL 60196-1056
800 982 5964 www.zurichna.com

This is intended as a general description of certain types of risk engineering services available to qualified customers through The Zurich Services Corporation. The Zurich Services Corporation does not guarantee any particular outcome and there may be conditions on your premises or within your organization, which may not be apparent to us. You are in the best position to understand your business and your organization and to take steps to minimize risk, and we wish to assist you by providing the information and tools to help you assess your changing risk environment.

© 2019 The Zurich Services Corporation. All rights reserved.

A1-112012335-A (10/19) 112012335

