



Increase machine acceptance and access to U.S. and Canada markets

UL Solutions industrial machinery services

Safety. Science. Transformation.™

Reduce costly reworks and delays when exporting to North America

Industrial machinery includes a wide range of applications such as metalworking, material handling, packaging, compression, pressing, stamping, conveyance and more. Because of their wide range of purposes, machine types can vary greatly and are often customized, built in small quantities or developed in a series of configurable machine types by machine builders.

In addition to the wide range of industrial machinery types, the process of having your products accepted in the U.S. and Canada can come with some risks. North American machinery customers need to be able to demonstrate to local Authorities Having Jurisdiction (AHJs) that the machinery they purchased is safety-compliant for use in their facilities. UL can help you speed your products to market by educating your team and meeting compliance for complex projects while also helping reduce costly reworks, delays or commissioning interruptions.

Our industrial machinery services put you in contact with the right people, whose expertise can help advance your business's priorities in a competitive landscape, all while

leveraging the widespread code authority acceptance of the UL Mark. With our training, engineering support and dedicated customer service line, our expertise is always right at your fingertips.

Industrial machinery exporting challenges

- Demonstration of machinery safety compliance for North American AHJs
- Acceptance of machinery requiring rework or delays into customer facilities
- Certification for a series or family of machines in machine-builder portfolio
- Understanding of the different and complex requirements for U.S. and Canada machinery acceptance
- Differentiating proprietary machinery and systems in the marketplace based on safety compliance



Services

With UL Solutions' industrial machinery services, our knowledgeable experts can help you with:

- Component and supply chain reviews – By assessing your needs and potential compliance changes early in the process, we can help you reduce the costs and risks associated with late-stage reworks.
- Engineering support – UL Solutions is here to support you throughout the entire project. We perform an evaluation of your machine series or family and identify the representative models for the investigation. We then work with you to understand the specific requirements to achieve certification for the entire machine series or family as well as any necessary surveillance requirements.
- Testing – Our experts will determine which requisite tests should be conducted on the representative model to achieve the greatest success. UL Solutions support the implementation of any requirements necessary to conduct tests at your facility under our supervision. Alternatively, our laboratories are fully equipped to

perform testing, according to UL Solution 2011, the Outline of Investigation for Machinery, and NFPA 79, Electrical Standard for Industrial Machinery.

- Labeling – Once the machine families or series have been certified, you can apply UL Solutions labels at your own facilities without limitation to the number of machines you are permitted to label within the certified series or families of machines.
- Surveillance – We provide surveillance to help ensure continued compliance.
- Product IQ™ – Listing your certified product on UL Solutions' website gives your customers great visibility into the models of the certified families or series of your machines.
- Limited production services – Whether you need compliance on a family of machines or a specific machine, as a UL Solutions' industrial machinery customer, we can help support your needs through our range of service offerings and expertise. We offer:

- Limited production certification
- Regulatory services for project and system compliance
- System certification
- Advisory services to share general knowledge about certification, market and technical requirements
- Compliance desk reviews
- Field evaluations

We also provide training to specific standards, customized training plans based on your specific needs and industry regulatory thought leadership.



Benefits of UL Solutions' industrial machinery services

- Acceptance of the UL Mark by regulatory authorities is widespread in every jurisdiction in the U.S. and Canada
- Avoidance of installation complications plus acceptance of the machine by the AHJs
- Increase in acceptance and market reputation of machinery and equipment
- Assistance securing a timely launch
- Access to certification programs that help ensure the safety of your machines and systems
- Access to expertise on North American regulatory requirements
- NEC (National Electrical Code, NFPA 70) for electrical installation in the U.S.
- CEC (Canadian Electrical Code, C22.1) for electrical installation in Canada
- UL 2011, Outline of Investigation for Machinery, and NFPA 79 (Electrical Standard for Industrial Machinery) for industrial machinery in the U.S.
- CSA C22.2 No. 301 for industrial machines in Canada

Why UL?

Our services are designed to help you meet delivery deadlines, avoid commissioning interruptions and rework demands and reduce the risk of red-tagged machines at the job site, along with the resulting delays and extra costs. You benefit from the widespread acceptance of the

UL Solutions Mark by regulatory authorities in every jurisdiction in the United States and Canada.

