



INDUSTRIAL

# Tap into Industrial Machinery Markets in Europe

## OVERVIEW

Maintaining a competitive edge in the industrial machinery market means keeping pace with rapid innovation and accessing new lucrative markets. In today's increasingly global marketplace, there are growing opportunities for machinery manufacturers to sell their products in Europe. This means complying with the Machinery Directive.

Designed to maintain harmonized safety levels of machinery across the EU, products in full compliance with the Machinery Directive will carry the CE mark and have a Technical File with documentation that shows adherence to applicable standards.

## WHO IS THIS STANDARD INTENDED FOR?

The most recent version of the Machinery Directive became applicable in 2011 to any manufacturer of machinery that will be sold, marketed, or put into service within the EU. It applies to machinery made for a manufacturer's own use, those being sold for other's use, and to significant modifications to any existing machine. Examples include machinery with pneumatic and/or hydraulic systems, air assemblies, vacuum pumps, skid assemblies, and liquid pumps amongst other features.

[csagroup.org/machinery](http://csagroup.org/machinery)

## The CSA Group Difference

Rely on an internationally recognized company with over 100 years of expertise and knowledge. From our early beginnings developing standards for railway bridges to today's latest sustainable technologies, we're always looking forward and developing innovative standards and testing programs for the most advanced and emerging technologies.

Drawing on our industry accreditations, our customer-focused experts can create custom solutions that meet your unique testing, inspection, and certification needs. That's how we're holding the future to a higher standard.



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**The EU28 imports over \$1.1 trillion worth of machinery and mechanical appliances a year, almost half from outside their borders.<sup>i</sup> Third-party research indicates the global industrial machinery market is likely to grow into the 2020s.<sup>ii</sup>**



### How CSA Group Can Help

- As leading experts in testing and certifying industrial products, CSA Group can help you assess your conformance you need to feel confident you have fast, reliable access to the EU market.
- No matter where you manufacture your machinery, we can help you take your products to the European market with speed and confidence. We offer testing and other services near you, with 39 offices worldwide and laboratories and affiliates in over 30 countries.
- A one-stop trusted partner, our team can provide you with a comprehensive technical review, including electrical safety, functional safety, and cybersecurity.
- Our risk assessment services can help you identify health and safety hazards in your machinery, such as a manipulating robot or moving conveyor belt, and reduce or eliminate them.

### Related Standards

The Machinery Directive is a broad collection of potentially applicable standards. CSA Group can help you identify which standards apply to your machinery and provide an assessment and the required testing. Below are some standards and areas that may apply:

- EN 60204-1, electrical safety standard
- EN ISO 12100, general principles for design - risk assessment and risk reduction
- Type A, B, and C standards
- Functional safety: EN ISO 13849 or EN 62061
- Cybersecurity: IEC 62443



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### LET'S WORK TOGETHER

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<sup>i</sup>EC Commission Staff Working Document, <sup>ii</sup>3IHS Markit, Hexa Research, GM Insights