



The Mobile Robot Company

Knowledge Center — EU Machinery Requirements · 2026-08-04

<https://info.mobilerobot.com/safety-compliance/standards/eu-machinery-requirements>

EU Machinery Requirements

The J1600 is CE marked, and Directive 2006/42/EC — the Machinery Directive — heads its [compliance list](https://info.mobilerobot.com/safety-compliance/certificates/compliance-statements/) (<https://info.mobilerobot.com/safety-compliance/certificates/compliance-statements/>). This page explains what the directive requires and how the J1600's standards list fits into it.

What the Machinery Directive requires

Directive 2006/42/EC sets the essential health and safety requirements that machinery must meet before it can be placed on the market in the European Union. For a manufacturer this means:

- performing a risk assessment and designing the machine to meet the essential requirements;
- compiling a technical file that documents conformity;
- issuing an EU Declaration of Conformity;
- affixing the CE marking.

Machinery designed to **harmonized standards** — European standards published in the Official Journal of the EU — benefits from a presumption of conformity with the requirements those standards cover.

The J1600's conformity basis

The harmonized standards in the J1600's compliance list address the machinery requirements from complementary angles:

Standard	Role
EN ISO 12100:2010 (https://info.mobilerobot.com/safety-compliance/standards/iso-12100/).	General risk-assessment and risk-reduction method
EN ISO 13849-1:2023 (https://info.mobilerobot.com/safety-compliance/standards/iso-13849-1/).	Reliability of safety-related control functions (Performance Levels)
EN ISO 3691-1:2015+A1:2020 (https://info.mobilerobot.com/safety-compliance/standards/iso-3691-1/).	Safety of self-propelled industrial trucks — manual mode
EN ISO 3691-4:2023 (https://info.mobilerobot.com/safety-compliance/standards/iso-3691-4/).	Safety of driverless industrial trucks — autonomous mode

The Machinery Directive is one of several EU acts in the compliance list; the others cover electromagnetic compatibility, radio equipment, hazardous substances, and batteries. See [EMC, RED, RoHS and Battery Regulations](https://info.mobilerobot.com/safety-compliance/standards/emc-red-rohs-and-battery-regulations/) (<https://info.mobilerobot.com/safety-compliance/standards/emc-red-rohs-and-battery-regulations/>).

CE marking and documentation

The CE marking on the J1600 states conformity with the applicable EU legislation. The formal document behind it is the [CE Declaration of Conformity](https://info.mobilerobot.com/safety-compliance/certificates/ce-declaration-of-conformity/) (<https://info.mobilerobot.com/safety-compliance/certificates/ce-declaration-of-conformity/>).

PRELIMINARY COMPLIANCE LIST

The J1600's compliance list comes from the preliminary January 2026 product documentation and is subject to change. No declaration numbers or notified-body information are published here; use current product documentation for deployment decisions.