



ELECTRICAL SAFETY OF MACHINERY

A close-up photograph of industrial machinery. A large, yellow, circular pulley is the central focus, with several thick, black steel cables draped over it. The pulley is mounted on a metal frame. The background is a blurred industrial setting with blue and yellow lighting.

**CB CERTIFICATION
IS YOUR PASSPORT
TO THE WORLD**

IMQ IS **AMONG THE FEW LABORATORIES** WORLDWIDE ACCREDITED FOR CB CERTIFICATION **PURSUANT TO THE IEC 60204:1 STANDARD**



#IEC STANDARD COMPLIANCE
#PASSPORT TO EXPORT TO OVER 50 COUNTRIES

CB CERTIFICATE

YOUR PASSPORT TO THE WORLD

Safety of electrical equipment is an essential element when placing machinery on international markets as there is a need to demonstrate compliance with specific requirements such as those defined in international standard IEC 60204-1 in order to market them.

IMQ is among the few laboratories worldwide (currently only 16) recognised as able to issue a certificate of conformity to IEC 60204-1.

Recognition is part of the CB scheme, an international agreement between certification bodies that provides mutual recognition of safety test reports.

A CB certificate issued by IMQ attests that the machine conforms to the reference IEC standard and avoids the need to have the type tests repeated by the certification bodies in the countries for which the manufacturer applies for product approval.

CB CERTIFICATE

IEC STANDARD COMPLIANCE

**A SINGLE CERTIFICATE VALID
IN OVER 50 COUNTRIES**

REDUCED TIME TO MARKET

COST OPTIMISATION



#ELECTRICAL SAFETY

#MACHINERY DIRECTIVE #LV DIRECTIVE

IEC 60204-1

THE REFERENCE STANDARD FOR THE MACHINERY SECTOR

IEC 60204-1, transposed in Italy as CEI EN 60204-1, plays a fundamental role in the machinery sector, for both the design and production of electrical equipment for machinery. It is the reference standard for all machine and industrial automation manufacturers.

Harmonised in accordance with both the Machinery Directive 2006/42/EC and the Low Voltage Directive 2014/35/EC, IEC 60204 -1 guarantees presumption of conformity with both directives.

The standard is applicable to:

- electrical, electronic and programmable equipment and systems of non-portable machines when they are running, including machine units that operate in a coordinated manner. The equipment in question starts from the point where the power supply is connected to the electrical equipment of the machine.
- electrical equipment or parts thereof supplied with rated voltages not exceeding 1000 Vac or 1500 Vdc, and with rated frequencies not exceeding 200 Hz.



#INTERNATIONAL AUTHORITY
#ELECTRICAL SECTOR LEADER

WHY IMQ

IMQ has over 70 years of experience in conformity testing and verification.

Our engineers support manufacturers to verify products and confirm that they meet market standards and expectations.

Testing services are carried out in our accredited laboratories, following rigorous testing procedures.

Our expert technicians not only have years of experience, **but are also updated continually and are members of the main international standards groups, which together with our state-of-the-art equipment ensure that the results are reliable and transparent.**

Our testing capabilities meet the requirements of the main international standards and are renewed continually as new technologies evolve.

Within the “machinery” sector, IMQ is also a notified body (CE 0051) for all machinery and safety components listed in Annex IV of the Machinery Directive, and can also support manufacturers with the following services: EC type examination for most of the machinery listed in Annex IV; verification of compliance with the requirements of the Directive for machinery or safety components not listed in Annex IV; testing of machinery and components.

OUR CREDENTIALS:

AMONG THE FEW IEC 60204-1
ACCREDITED LABORATORIES
WORLDWIDE

INTERNATIONAL AUTHORITY

LEADER IN CONFORMITY
VERIFICATION

CUSTOMISED SOLUTIONS

70 YEARS OF EXPERIENCE
IN THE ELECTRICAL SECTOR

IMQ is a company of the IMQ Group, a technology hub for testing and certification of quality, sustainability, interoperability and cyber security requirements.

It is a European leader in conformity assessment (testing, inspection, certification), and the accreditations obtained and specific expertise of its member companies ensure a privileged link with industry.

A company made up of technicians who have made quality, safety and sustainability the backbone of their professional role.

The know-how of IMQ Group's active and internationally recognised experts can offer up-to-date solutions with the most modern testing and assessment techniques.

IMQ Group S.r.l. is the parent company of IMQ Group, which is composed of twelve operating companies: five in Italy - IMQ S.p.A., CSI S.p.A., IMQ Intuity S.r.l., IMQ Minded Security S.r.l., IMQ eAmbiente S.r.l. - and seven abroad: Spain, Poland, Turkey, Germany, United Kingdom, United Arab Emirates and China.

IMQ stands for Istituto Italiano del Marchio di Qualità.

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