



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

A.C. & E. S.r.l.
Via Del Perlar, 37/A, Verona (VR), 37135, Italy

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Electrical and Mechanical Testing
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

December 08, 2020

April 08, 2025

July 31, 2027

Accreditation No.:

Certificate No.:

113455

L25-278

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjlab.com*



Certificate of Accreditation: Supplement

A.C. & E. S.r.l.

Via Del Perlar, 37/A, Verona (VR), 37135, Italy
Contact Name: Cristina Alba Phone: 348-872-0791

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Low-voltage switchgear and controlgear assemblies Part 1: General rules	Power-frequency withstand voltage	IEC 61439-2 + IEC 61439-1 CEI EN 61439-2 + CEI EN 61439-1 CEI EN IEC 61439-2 CEI EN IEC 61439-1 § 10.9.2	Electrical Safety and Machinery Tester all-in-one.	F1, F2	F, O
Electrical	Electrical equipment of machines	Continuity of the equipment grounding circuit	NFPA 79-§ 18.2 (2)	Resistance meter	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 1: Safety of machinery – Electrical equipment of machines – Part 1204: General requirements: Test 1 - Verification of the continuity of the protective bonding circuit General requirements: Test 1 - Verification of the continuity of the protective bonding circuit	AS/NZS 4024.1204-§ 18.2.2	Resistance meter	F1, F2	F, O
Electrical	Electrical equipment of machines	Safety of machinery – Electrical equipment of machines – General requirements. Verification of conditions for protection by automatic disconnection of supply: Test 2 - Fault loop impedance verification and suitability of the associated overcurrent protective device (calculation)	AS/NZS 4024.1204-§ 18.2.3	Calculation with Excel file	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 1: General requirements. Verification of conditions for protection by automatic disconnection of supply: Test 1 - Verification of the continuity of the protective bonding circuit	CEI EN 60204-1 IEC 60204-1 § 18.2.2	Resistance meter	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 1: General requirements. Verification of conditions for protection by automatic disconnection of supply: Test 2 - Fault loop impedance verification and suitability of the associated overcurrent protective device (calculation)	CEI EN 60204-1 IEC 60204-1 § 18.2.3	Calculation with Excel file	F1, F2	F, O



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Electrical	Electrical equipment of machines	Part 34: Requirements for machine tools. Verification of conditions for protection by automatic disconnection of supply. Verification of continuity of the protective bonding circuit (Test 1 according to § 18.2.2 of IEC 60204-1)	IEC TS 60204-34 § 18.1 b	Resistance meter	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 34: Requirements for machine tools. Verification of conditions for protection by automatic disconnection of supply. Verification of fault loop associated with overcurrent protection device (tests according to § 18.2.3 of IEC 60204-1)	IEC TS 60204-34 § 18.1 c	Calculation with Excel file	F1, F2	F, O
Electrical	Industrial control equipment	Dielectric strength	CSA C22.2 n°14 § 6.8	Electrical Safety and Machinery Tester all-in-one.	F1, F2	F, O
Electrical	Industrial control panels and assemblies	Dielectric strength test	CSA C22.2 n°286 § 7.3	Electrical Safety and Machinery Tester all-in-one.	F1, F2	F, O
Electrical	Industrial electrical machinery	Dielectric strength test	CSA C22.2 n°301-§ 19.4	Electrical Safety and Machinery Tester all-in-one.	F1, F2	F, O
Electrical	Low-voltage switchgear and controlgear assemblies	Part 1: General rules Part 2: Power switchgear and control gear assemblies	AS/NZS 61439-1 + AS/NZS 61439-2 § 10.9.2	Electrical Safety and Machinery Tester all-in-one.	F1, F2	F, O
Electrical	Assembled protection and switching equipment for low voltage (LV panels)	Part 1: General rules. Withstand voltage at operating frequency	GOST IEC 61439-2+ GOST IEC 61439-1 § 10.9.2	Electrical Safety and Machinery Tester all-in-one.	F1, F2	F, O



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Electrical	Electrical equipment of machines	Test 2 - Fault loop impedance verification and suitability of the associated overcurrent protective device (calculation) Part 1: General requirements. Verification of the protection conditions for automatic disconnection of the power supply: verification of the impedance of the fault loop associated with the overcurrent protection device (by calculation)	GOST R IEC 60204-1 § 18.2.3	Calculation with Excel file	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 1: General requirements. Verification of the protection conditions for automatic disconnection of the power supply: Test 1 - verification of the continuity of the protective equipotential circuit	GOST R IEC 60204-1 § 18.2.2	Resistance meter	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 1: General requirements. Verification of conditions for protection by automatic disconnection of supply: Test 1 - Verification of the continuity of the protective bonding circuit	SASO IEC 60204-1 § 18.2.2	Resistance meter	F1, F2	F, O
Electrical	Electrical equipment of machines	Part 1: General requirements. Verification of conditions for protection by automatic disconnection of supply: Test 2 - Fault loop impedance verification and suitability of the associated overcurrent protective device (calculation)	SASO IEC 60204-1 § 18.2.3	Calculation with Excel file	F1, F2	F, O
Electrical (calculation)	Safety of machinery	Safety-related parts of control systems - Part 1: General principles for design by calculation (limited to verifying reached Performance Level) (Calculation)	ISO 13849-1	Calculation with Excel file	F1, F2	F, O
Electrical	Electrical equipment of machines Motor and generator	Rotating Electrical Machines - General Requirements Temperature rise resistance method – calculation	UL1004-1	Rise temperature test by calculation with excel file	F1, F2	F, O



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Electrical	Electrical equipment of machines Motor and generator	Rotating Electrical Machines - General Requirements Temperature rise resistance method – calculation	CSA C22.2 n 100	Rise temperature test by calculation with excel file	F1, F2	F, O
Electrical	Electrical equipment of machines Motor and generator	Rotating Electrical Machines - General Requirements Temperature rise resistance method – calculation	IEC60034-1	Rise temperature test by calculation with excel file	F1, F2	F, O
Mechanical	Guards	Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards	ISO 14120 §Annex B	Equipment for projectile test	F1, F2	F, O
Mechanical	Guards	Machine tools safety — Machining centres, milling machines, transfer machines	ISO 16090-1 §5.12.2 § Annex A §Annex B	Equipment for projectile test	F1, F2	F, O
Temperature	Electrical equipment of machines	Maximum surface temperature verification (T code)	EN IEC 60079-0 §26.5.1	Thermocouple method	F1, F2	F, O
Temperature	Electrical equipment of machines	Maximum surface temperature verification (T code)	UNE-EN IEC 60079-0 §26.5.1	Thermocouple method	F1, F2	F, O
Temperature	Electrical equipment of machines	Maximum surface temperature verification (T code)	UL 508 §45 thermocouple method	Thermocouple method	F1, F2	F, O
Information Technology	Cyber Security	Security for Industrial IoT equipment and VAPT Test	IEC 62443-4-2 Technical Security requirements ros IACS components ISASecure ICSCA-100	Software and Network security testing	F1, F2	F, O
Information Technology	Cyber Security	Security for Industrial IoT equipment and VAPT Test	IEC 62443-4-2 Technical Security requirements ros IACS components ISASecure CSA-100	Software and Network security testing	F1, F2	F, O



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Electrical	Electrical equipment of machines	Electromagnetic Compatibility test – Conducted emission for AC power ports	CISPR 11 §6.2.1.3	Equipment for EMC test	F1, F2	F, O
Electrical	Electrical equipment of machines	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 1: General principles	UNI EN 12198-1 §B.4	Equipment for EMC test	F1, F2	F, O

1. Location of activity:

Location

F
O

Location
Conformity assessment activity is performed at the CABs fixed facility
Conformity assessment activity is performed onsite at the CABs customer location

2. Flex Code:

- F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
- F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
- F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
- F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
- F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
- F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope