

EMC PARTNER AG

COMPANY PROFILE





Accredited Calibration

Quality at EMC PARTNER is based on an ISO 9001 management system. This is the foundation for an ISO 17025 accreditation verified by the Swiss Calibration Service (SCS). SCS No. 146 is the accreditation number of EMC PARTNER AG.

Locally accredited but recognized worldwide through affiliation with the ILAC organisation



EMC PARTNER AG

THE LARGEST RANGE OF IMPULSE TEST EQUIPMENT UP TO 100KV AND 100KA

Experts in high voltage impulse technology, EMC PARTNER AG has built its reputation delivering innovative solutions for commercial and industrial EMC immunity testing, indirect lightning on aircraft and component testing for a worldwide customer base. EMC PARTNER is continually expanding through new product lines and new geographic areas. Based on our client's needs and the evolving market, EMC PARTNER design both traditional EMC impulse generators and impulse test systems for evolving technologies. Our clients, employees and the environment are equal partners in defining who we are.

A true Partner for EMC test solutions!



A SWISS ORIGINAL

Our long-standing commitment to the EMC industry does not stop at designing test equipment. Our roots go back to the formative years of the EMC industry with over 30 years unbroken participation in IEC standard committees. A tradition that continues today with the new generation. We are totally committed to improving the EMC environment through our active participation in the International Electrotechnical Commission (IEC), the Society of Aerospace Engineers (SAE) and EUROCAE.

EMC PARTNER continues to push forward technological frontiers with patented designs and an innovative workforce.

INNOVATIVE	First design of a multifunction test system for CE marking
EXPERIENCED	Long-time participation in the EMC industry and standardization
MOTIVATED	Highly qualified, and experienced staff
RELIABLE	ISO 17025, accredited calibration laboratory.



IN-HOUSE DEVELOPMENT AND PRODUCTION

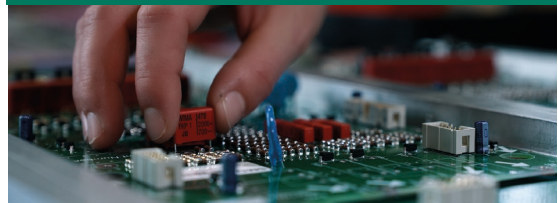
A team of qualified engineers enables us to provide competent advice, high quality reliable products and an efficient service for our customers. All relevant functions are maintained in-house with the benefit of being able to react fast to market demands for updates or new product developments. EMC PARTNER instruments are distributed to international markets through a network of trained representatives.

Development



Keeping pace with the ever changing requirements of national and international standards and evolving market needs requires our development team to continuously search for new and innovative solutions.

Production



The use of high quality materials is the foundation of our production. Our trained and qualified personnel ensure that material quality translate into reliable products.

Calibration



During the production process, individual modules and circuit boards are pre-tested before integration into a finished product for final calibration. This process maintains the quality and reliability of EMC PARTNER products.

Logistics



Accredited under the international “known consignor” scheme, EMC PARTNER AG export to all the industrialized countries following a strict process throughout the stocking, packaging and shipment of products.

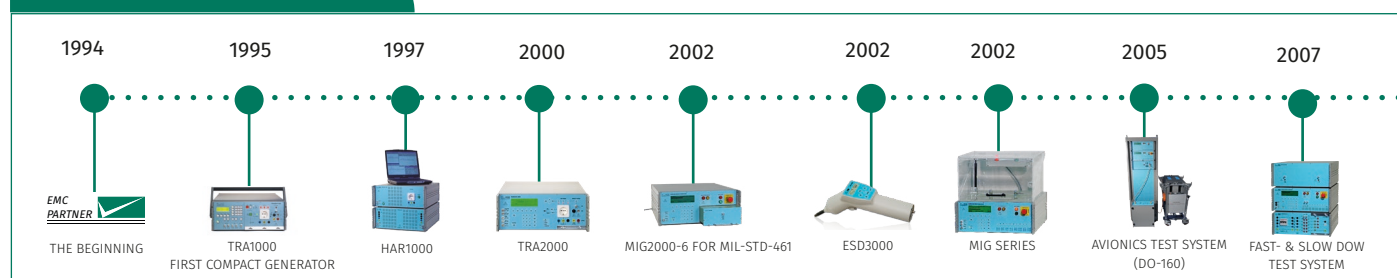


SUCCESS THROUGH INNOVATION

Continual improvements and new designs ensure that our customers have access to the best equipment. EMC PARTNER AG, today, tomorrow and in the future

From the beginning, EMC PARTNER AG has used new and evolving technologies to drive forward innovation in EMC testing solutions and instrument design. The initial product from EMC PARTNER AG's design office was TRA1000, the world's first integrated solution for conducted immunity tests. The fully modular IMU3000 and IMU4000 are the fourth generation in a long line of innovative products with a 25 year pedigree. ESD3000, still the only AA battery powered generator up to 30kV, followed soon after TRA1000. The unique design has kept ESD3000 as the ESD generator of choice across multiple applications.

Product Evolution



COMMITMENT TO QUALITY

From the beginning, our designs are fully integrated using a modern 3D CAD system which increases reliability and reduces time to market. The production process follows ISO 9001 procedures supported by a customized ERP system. The story does not end when instruments are shipped. The service department in Laufen, staffed by trained professionals, is linked closely with repair centres around the globe giving our customer base the best possible support through the product life cycle

Standard Committees

Maintaining a technology lead means being involved in the standardization process. Membership of international standard organizations is part of our commitment to delivering the best test equipment enabling our customers to fulfil current and future requirements.

LOW FREQUENCY EMC

International Electrotechnical Commission (IEC)
Technical committee TC77

Special commission SC77A / WG6
Special commission SC77B / MT12
Swiss national committee for EMC

INDIRECT LIGHTNING

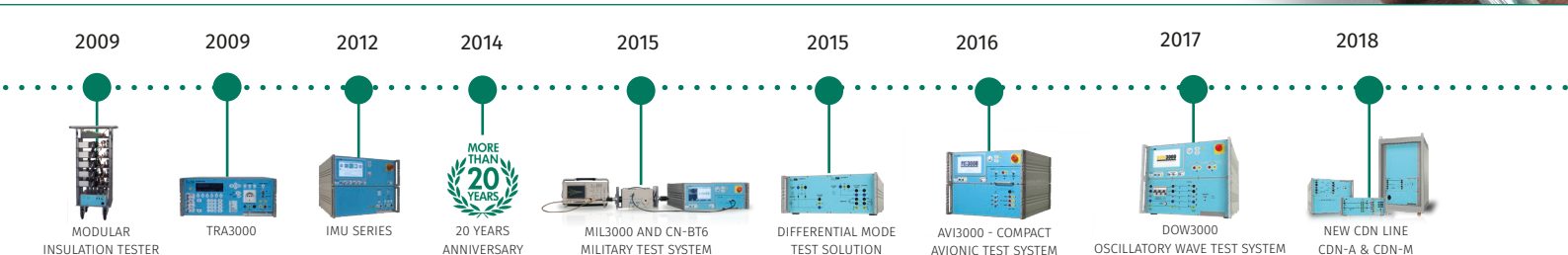
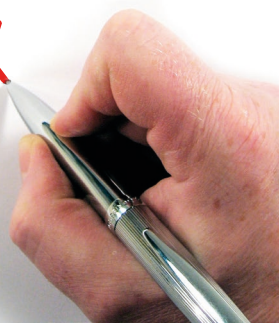
Society of Aerospace Engineers (SAE)
AE2 committee

European Organisation for Civil Aviation
Equipment (EUROCAE)
WG14 / WG31

Quality Management

The EMC PARTNER ISO 17025 accreditation, follows quality procedures laid down in ISO 9001. All departments are regularly audited to ensure the highest standards are maintained. Quality management is key to ensuring product reliability.

SWISS
QUALITY





THE FUTURE

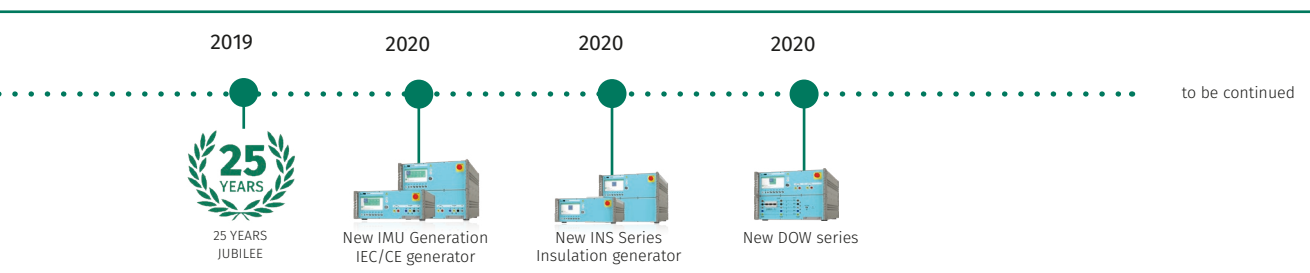
Trained and motivated staff are our greatest resource.

A constantly evolving EMC market requires not only new products, but a new way of thinking.

New technologies drive our business. EMC PARTNER is engaged in a global training program for sales and service partners providing the tools to meet future challenges. Linked with our commitment to the environment and our social responsibility, EMC PARTNER aim to build relationships that last.

Accredited Calibration

As a global manufacturer of EMC test systems we have to respect national and international standard requirements. ISO 17025 is recognized worldwide as the benchmark for quality. With the SCS Nr. 146 we are accredited by the Swiss Calibration Service (SCS), to perform calibrations on all products manufactured by EMC PARTNER AG. The Swiss Accreditation Service (SCS) is a signatory to ILAC, the International Laboratory Accreditation Cooperation, which extends acceptance to a worldwide customer base.



Specific EMC test requirements ?

Search & find your required test equipment by application, standard or test type

www.emc-partner.com



UNIQUE EMC TEST SOLUTIONS

Product Application Overview



HOUSEHOLD AND CONSUMER ELECTRONICS

Transient Systems for conducted immunity tests on electronic equipment

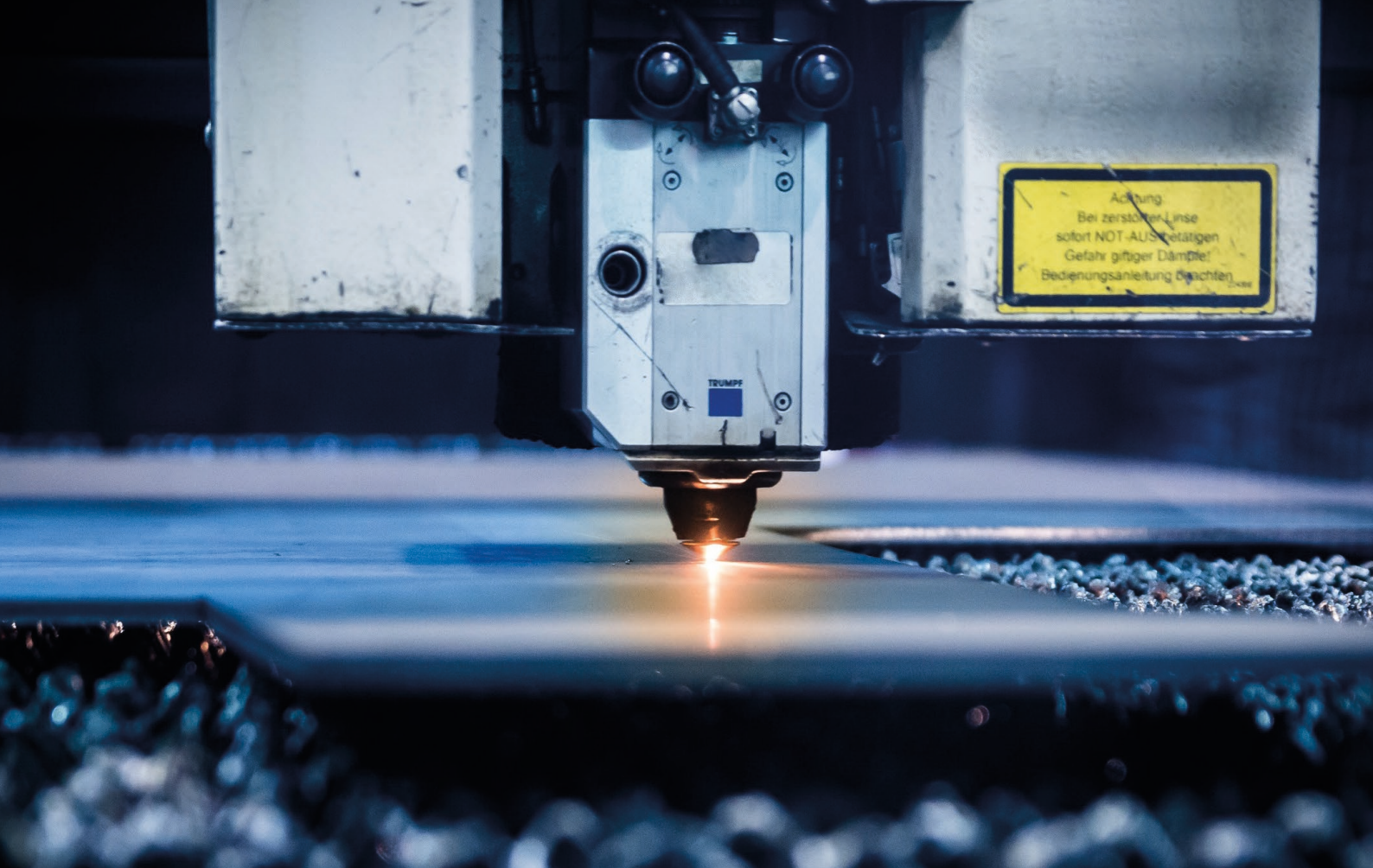
Basic and product standards including; ESD, EFT, surge, AC dips, AC magnetic field, surge magnetic field, differential mode, damped oscillatory and DC dips. According to IEC, EN, CISPR, ISO,

MODERN	Graphic user interface with multiple languages
FLEXIBLE	Full modularity configured as wanted
EXPANDABLE	Add circuits and accessories to extend test capability

Latest Products

IMU-MGS and IMU-MGE Modular Test Systems





INDUSTRIAL APPLICATIONS

Systems for testing DC-DC converters and EV charging stations

IEC, EN and ECE standards for electrical vehicle charging stations require EFT and Surge tests be carried out on high current connections. A new range of CDNs specially designed to operate up to 1,500V/200Adc make this possible. FULL RANGE option makes a 200A CDN fully compliant from 16A.

- FLEXIBLE** CDN can be extended with higher dc voltages and additional circuits
- RELIABLE** Used at the most prestigious test facilities around the world
- IMAGINATIVE** Forward thinking solutions to meet tomorrows challenges

Latest products

New CDN Line, Automatic or manual Coupling up to 200A





AVIONICS TESTING

Test equipment for indirect lightning, voltage spikes and induced signal susceptibility

Impulse test equipment and accessories for aircraft electronics testing. Solutions for RTCA / DO-160 and EUROCAE / ED-14 sections 17, 19, 22 and 25. Specific equipment for Airbus ABD0100-1-2, ABD0100-1-8, Boeing D16050 and many more.

RELIABLE
INTEGRATED
ADVANCED

High impulse fidelity coupled with long test duration.
Total system solution with generators, couplers and probes.
Compact high tech solution with many unique features.

Latest products

AVI-LV3 & CN-BT7 coupler - Compact avionics test system





TELECOM APPLICATIONS

Test instruments for telecommunication equipment, interfaces and components

Impulse test equipment and accessories for telecommunications applications. Complete solutions for ITU-T K.44, ITU-T K.20, ITU-T K.21 basic and enhanced levels for impulse, power contact and power induction. FCC part 68 impulse tests on subscriber line equipment. Product standards and specialist component test requirements.

COMPLETE
UNIQUE
FLEXIBLE

Not just impulse generators, also power contact and power induction.
Specialist equipment for telecom interfaces and protection devices.
Choice of hardware to meet specific need.

Latest product

CTS10350 - Impulse current generator with switched outputs





MILITARY TESTING

Test equipment for the military environment

Generators and accessories for testing military vehicles used by all services. Based around the MIL-STD-461 requirements CS106, CS115, CS116, CS117 and CS118. Complete modular test systems meet the highest levels. Additional test equipment is available to meet other MIL-STD requirements.

COMPLETE

Everything included for test and verification.

RELIABLE

Long experience in the toughest environments.

EASY

Fast system setup, touch panel control, on screen graphical help.



Latest product

MIL-MG3 Test system - New technology test system for MIL-STD-461



COMPONENT TESTING

Impulse generators for qualification of components used in surge environments

Instruments for testing varistors, gas discharge tubes (GDTs), surge protective devices (SPDs), X / Y capacitors, suppressor diodes, connectors, inductors, fuses, resistors, etc. Specialist equipment for both 2-pole and 3-pole surge protection devices.

SAFE

Safety circuit with test cabinet interlock ensure personnel safety.

SPECIALIST

Unique test systems for specific applications.

RELIABLE

Solid state patented design performs when needed.



Latest product

CAP0804 - Active Flammability Tester for X and Y capacitors



ENERGY DISTRIBUTION

Impulse testing of monitoring and metering equipment in the energy distribution network

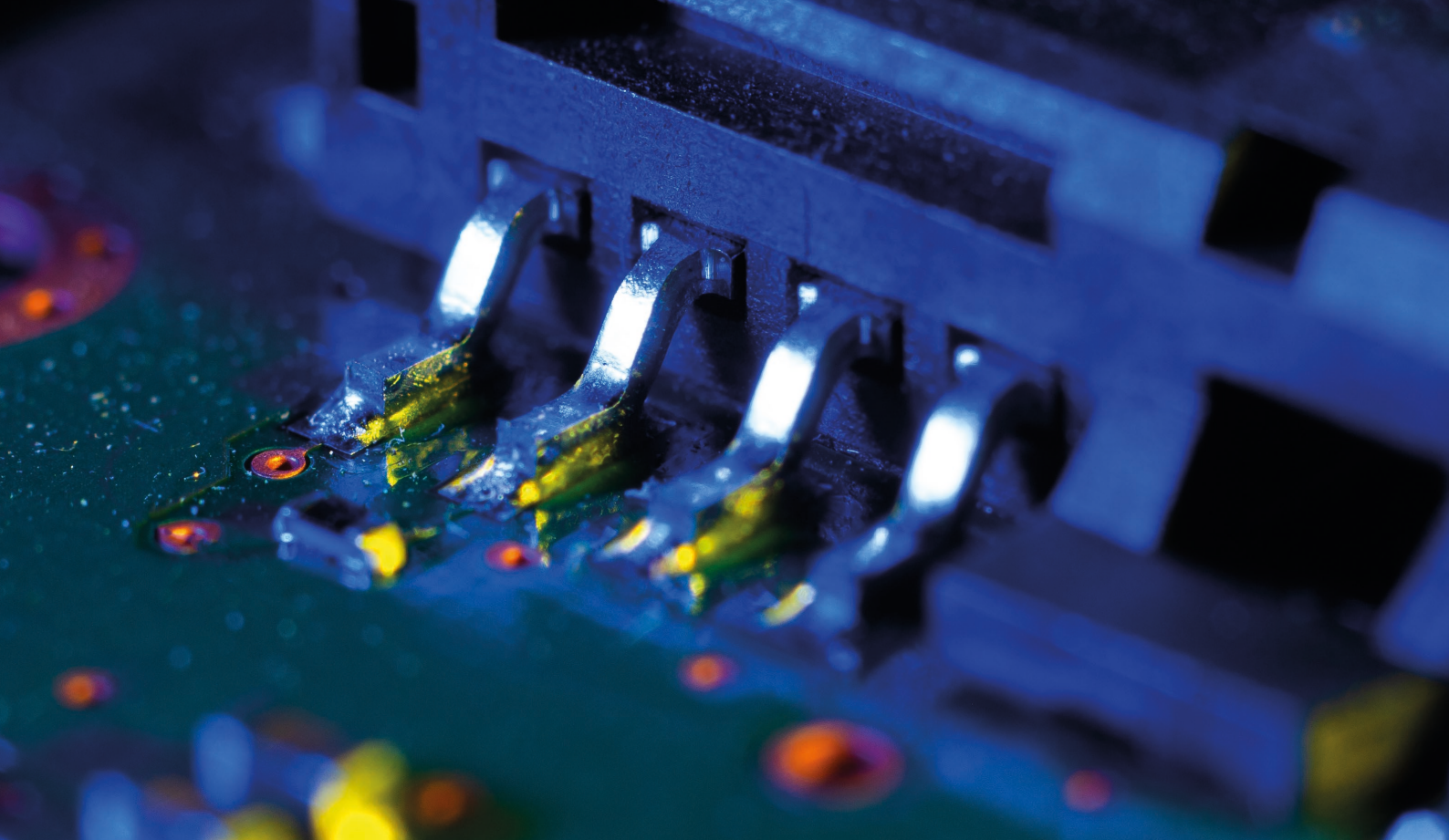
Specialist generators for testing electricity meters, protection relays, distribution transformers, etc. Latest generation smart meters can be tested for insulation properties, electrical parameters, differential mode disturbance as well as EMC.

HIGH TECH	Special application based test equipment.
RELIABLE	Tried and trusted products built on long experience.
FLEXIBLE	Choice of hardware to meet specific need.

Latest Product

DOW-CG1 - Damped oscillatory wave test system





INSULATION TESTING

Generators to test voltage withstand characteristics of products and materials

The 1.2/50 μ s lightning impulses are applied for insulation tests on transformers, cables, switches, etc. and increasingly to test materials in the semiconductor industry. Repeatable waveforms, controlled energy content and high voltages are characteristic of these impulses. Measurement and recording of discharges plays a significant part in determining the quality of a test object

UNIQUE	Solid state technology from 200V to 144kV.
RELIABLE	High impulse fidelity into capacitive and inductive loads.
SAFETY	Emergency stop built into every generator

Latest Product

INS Series - The new generation of insulation testing





SYSTEM AUTOMATION

Extend hardware with software packages that increase power and flexibility

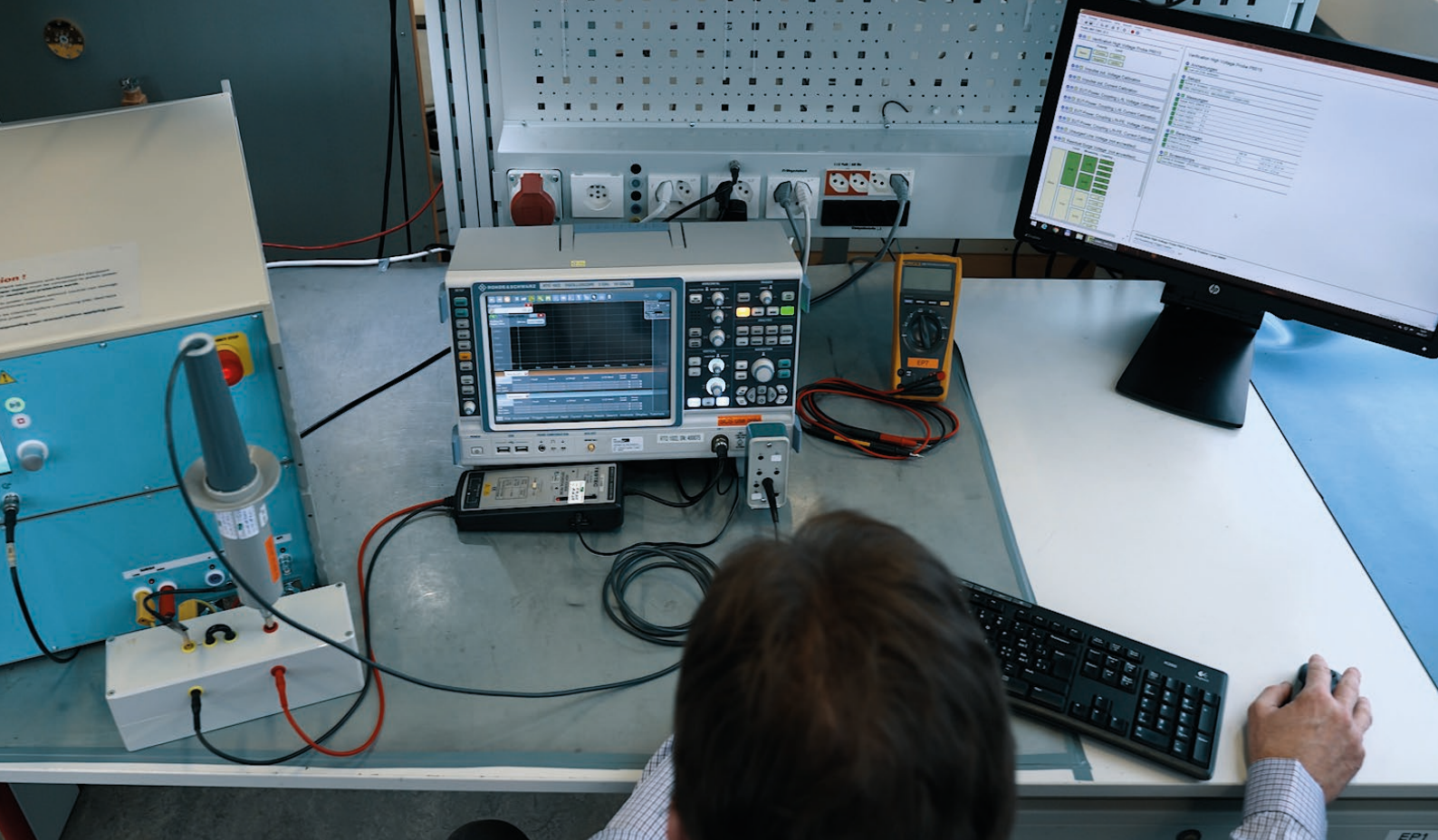
EMC PARTNER test equipment offers a high degree of automation directly from the instrument front panel. Functions such as amplitude, polarity, phase angle and coupling path can all be adjusted. However, remote control from a PC offers additional benefits. A range of software packages provide reliable remote operation and enhanced operator features. Demo versions of all software packages are available free of charge on the EMC PARTNER AG website.

INTUITIVE	Interface easy to understand. Put us to the test.
EXPANDABLE	Software modules add capability as needs arise.
READY	Test routines pre-programmed for immediate use.



Latest product

TEMA3000 - Software test suite for EPOS test systems



CUSTOMER SERVICES

Our customers are important partners now and in the future

A successful sale is the start of a long and mutually beneficial relationship. Maintaining product availability at the highest level for our customers is top priority. A highly skilled and motivated team is at your service!

Training

In the factory or onsite training helps our customers to achieve maximum utilisation of their investment.

Calibration

Equipment is subjected to the same rigorous test regime whether for a manufacturer's or ISO 17025 accredited calibration.

Customer Service

Experienced engineers are on hand to provide the fastest response to any service request.

INTERNATIONAL EXPERIENCED RESPONSIBLE

Swiss expertise maintained through worldwide service centres.
Over 25 years in the EMC industry
We stand behind our products

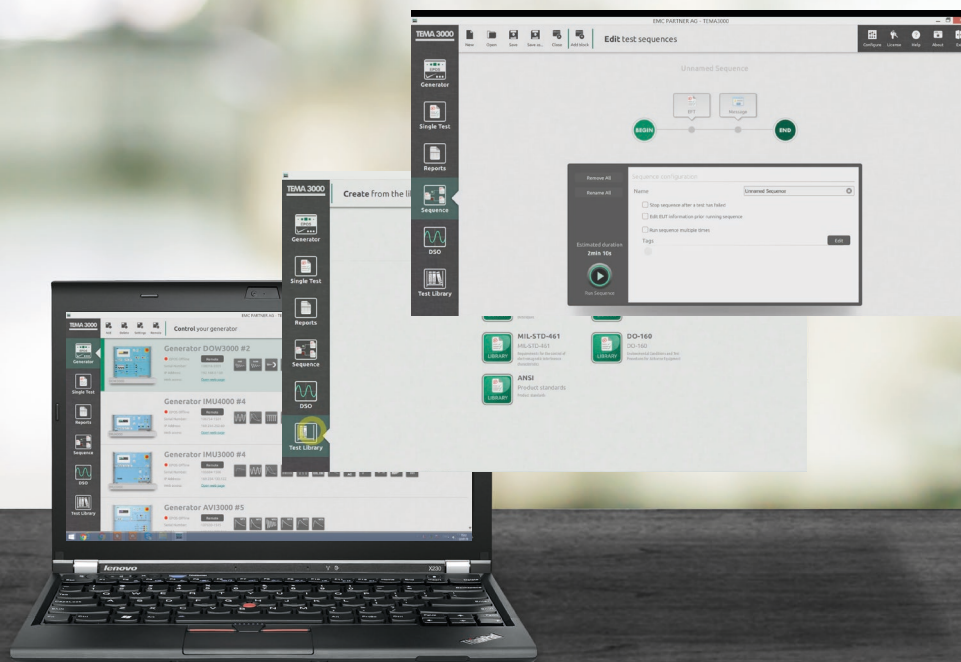
Tradition meets Technology

Over 25 years devoted to combining
latest technologies into the best products.



100% Swiss made products





TEMA3000 SOFTWARE SUITE

TEMA3000 - The best solution for professional EMC Test Labs enables comfortable test setups, easy parameter changes and customizable protocols with DSO integration for EPOS based test system.

Customizable Reporting



- › Customize & edit your reports
- › Export to multiple file formats
- › Integrate DSO measurements

Manage Tests and Sequences

- › IEC 61000-4-04
 - › Power and earth ports
 - › 1 Phase Network
 - › 3 Phase Network - Automatic CDN
 - › 3 Phase Network - Manual CDN
 - › Signal and control ports
- › IEC 61000-4-05
- › IEC 61000-4-08
- › IEC 61000-4-09

- › Predefined basic IEC test setups
- › Save and load tests & sequences
- › Combine tests to sequences

Productive Workflow



- › Minimum learning time
- › Drag and drop technology
- › Integrated assistant function

Smart Connectivity



- › Transfer tests / reports to PC
- › Integrated webserver
- › Remote control from computer

EMC PARTNER

PRODUCT APPLICATION RANGE

CONSUMER & INDUSTRIAL ELECTRONICS

Transient Test Systems for conducted EMC tests on electronic equipment. ESD, EFT, surge, ring wave, DOW, dips, magnetic field, common and differential mode. Compliant to IEC, EN and ANSI standards.



AEROSPACE ELECTRONICS

Impulse generators and couplers for avionic applications. Single stroke, multiple stroke and multiple burst according to RTCA / DO-160, EUROCAE / ED-14 and aircraft manufacturer standards.



COMPONENT TESTING

Voltage and current Impulse generators for design and production testing of varistors, gas discharge tubes, surge protective devices, X / Y capacitors and specialist impulse generators for semiconductor tests.



DEFENCE ELECTRONICS

Complete test solutions for MIL-STD-461 requirements CS06, CS106, CS115, CS116, CS117 and CS118.



TELECOM & DATA LINE TESTING

Voltage and current impulse generators, CDNs, power contact, power induction equipment for exchange and customer equipment according to ITU, IEC, EN and ETSI requirements.



ENERGY & UTILITY EQUIPMENT

High current CDNs combined with transient test equipment fulfil requirements to test renewable and classical energy distribution network and monitoring equipment.



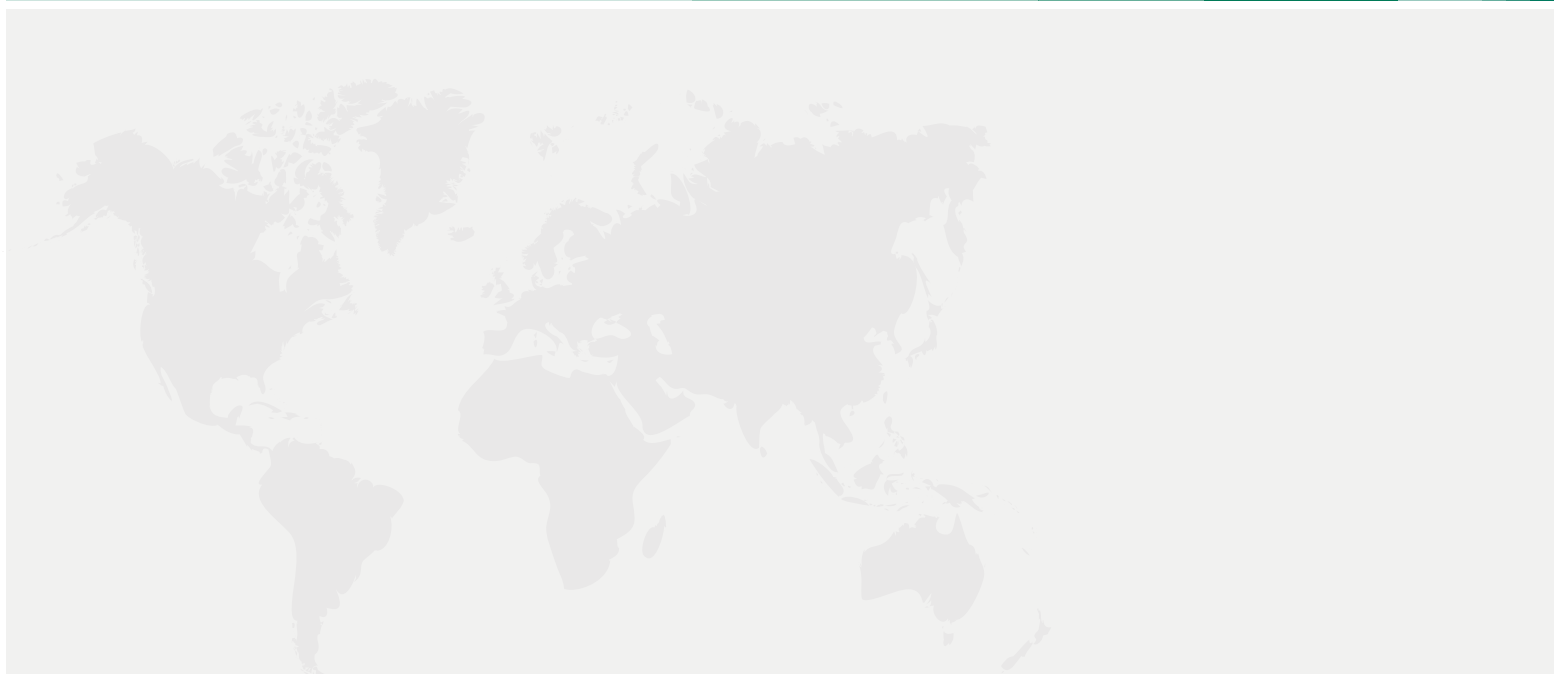
CUSTOMER SERVICES

Customer support throughout an equipment's lifetime is central to the EMC PARTNER AG philosophy. Directly from our ISO accredited facility in Switzerland or through our network of services centres, we provide support wherever you are.



For further information please do not hesitate to contact your local EMC PARTNER AG representative or visit our website for more information and contact details.

www.emc-partner.com



Swiss Headquarters

EMC PARTNER AG
Baselstrasse 160
CH - 4242 Laufen

Phone +41 61 775 20 30
Fax +41 61 775 20 59
Email sales@emc-partner.ch
Web www.emc-partner.com

Your local representative

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