



CONNECT AND PROTECT

Your Experts For Modular
Test And Measurement Applications


nvent

SCHROFF

Universal platform for test and measurement applications

SOLUTIONS FOR A WIDE VARIETY OF INDUSTRIES AND APPLICATIONS

Protect your electronics in test and measurement systems as well as simulation applications. Benefit from the advantages provided to you by nVent.



Range of solutions for everything from autonomous driving to analysis and evaluation of sensor data.



Integrated manufacturing tests of complex electronic devices for large-scale production.



Test and measurement applications along the production line with IIoT connection. Manufacturing quality assurance.



Test solutions for traditional, digital, RF, analog, and protocol-based tests.



Tests for controlling hardware, sensors, and software. Recording and analyzing application data.



Stress tests under extreme conditions for determining service life as well as flight simulations.

Automotive Consumer electronics
Medical technology **Industrial** Applied physics
Aerospace Semiconductor industry

Scalable solutions for your test setup

SAVE TIME BY SELECTING ADAPTABLE PRODUCTS

nVent SCHROFF supports your test and measurement equipment as well as simulation applications by providing electronics cabinets, systems, cases, subracks and front panels including handles and accessories. Thanks to cutting-edge designs, functions, and technologies, you can achieve convincing results more quickly and improve the performance of your application.

Comprehensive consultation for selecting the right solutions for your application

Environmental parameters:

- Temperature
- EMC and protection class (IP)
- Shock and vibration, seismic and earthquake protection
- Stationary or mobile application
- Certification, verification, specification

System architecture:

- Processor power
- Interfaces
- Communication module
- Power requirement

Fast results

Support for your time-to-market goals through online configurators and 3D models

Long-term availability

Comprehensive after-sales service and assurance of your product life cycle

Selecting the integration level

Mechanical and electronic integration of components, such as cooling, power supply and backplane

Custom branding

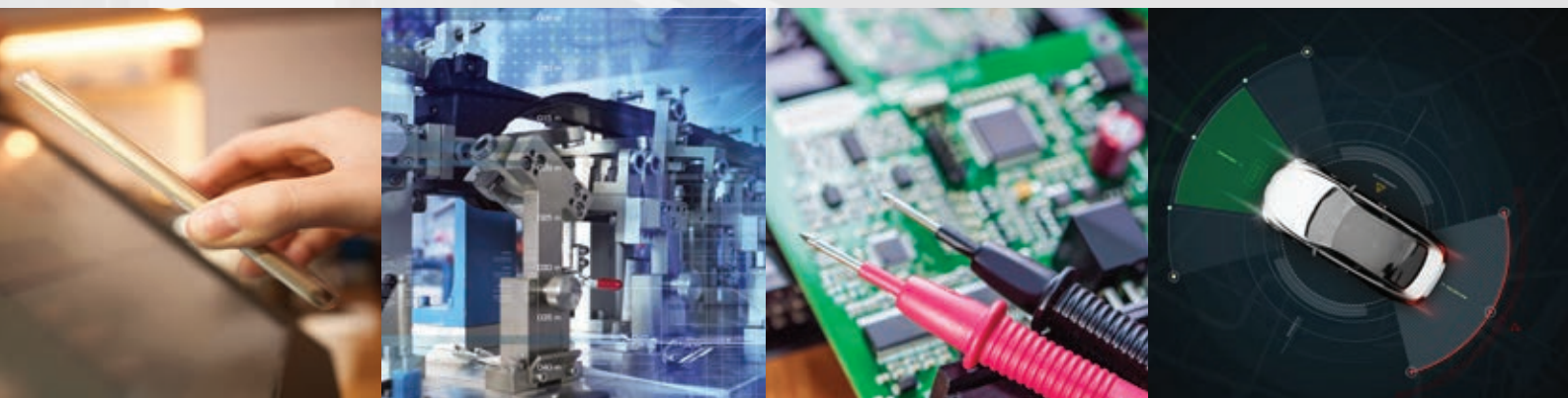
Adaptation to your individual corporate design for differentiation of your applications

Personal consultation

Support for selecting the right solution with comprehensive documentation and consultation from our technical sales department

Adapting to individual requirements

Modifications and customized adaptations based on a large number of off-the-shelf products and predefined solutions



Comprehensive selection of products

From electronics cabinets to small system cases, nVent SCHROFF provides you with the right infrastructure for your test setup. Get all the products you need to protect your electronics from a single source. The modular design allows our products to quickly and easily adapt to your application.

Embedded systems

PXI Express

Modular platform for test and measurement applications

- PCIe Gen 3 and up to x8 links support a sufficient bandwidth for acquiring and evaluating simulated and measured data
- Sophisticated CLK and trigger architecture, which supports to synchronize the measured data
- Backwards compatibility with PXI-1 provides access to a variety of dedicated measuring cards and test cards

COM Express

Small form factor case with COM module and carrier board

- Compact and powerful platform for small, portable, test and measurement systems or for systems integrated in a machine
- Adaptation of the standard COM module to measurement interfaces through a modular or application-specific carrier

CompactPCI Serial

System solution with PCIe Gen 3

- Just like PXI Express, CPCI Serial supports PCIe Gen 3 and up to x8 links
- Ethernet, S-ATA and USB per slot for easy integration of standard peripherals
- In addition to the predefined signal lines, there are numerous user-assignable pins for special measuring tasks

MicroTCA

The standard for complex test and measurement systems

- Particularly suitable for fail-safe systems thanks to the redundant architecture and integrated hardware management
- Extremely precise analog signal processing with complete separation of analog and digital signals and voltages in the system (subspecification MTCA.4.1)

VPX

Rugged systems for the most stringent environmental requirements

- VPX offers the most common data transfer and processing technologies specially for applications subject to extreme environmental conditions
- Various cooling solutions ranging from convection and conduction to liquid cooling
- Optional redundancy and optional hardware management enable a fail-safe system, even under the most extreme conditions

Our
product portfolio



Mechanical platforms

Interscale

Platform for a compact application with a small footprint

- Integrated EMC protection in a solid & lightweight case construction
- Customer-specific case designs for individual sizes, cutouts, and corporate branding
- Variable heat sink sizes, plus a patented flexible heat sink that can be integrated to ensure the required operating temperature
- Easy configuration of your desired system from standardized components

RatiopacPRO

Flexible design for every application

- Modular 19" case platform with broad standard product range for individual configuration of your case solution
- For stationary and mobile test and measurement applications as well as installation in a cabinet
- Flexible dimensions of height, width, and depth
- RatiopacPRO Air for optimal active cooling of your application

MultipacPRO

Space-saving. As a standard case or individually configured

- 19" case for space-saving horizontal integration of printed circuit boards or non-standard components
- Cost-effective solutions made of sheet metal, or as a rugged machined aluminum version
- Removable front and rear panel for easy machining and individual cut-outs

EuropacPro

Custom solutions thanks to flexible platform

- Modular 19" subrack platform for application requirements in areas ranging from the laboratory to harsh environments
- Shock and vibration-resistant for high mechanical stress environments
- EMC protection provided by stainless steel gaskets or textile gaskets, also for an expanded temperature range
- Intelligent and intuitive configuration of a subrack in accordance with your requirements using the nVent SCHROFF online configurator tool

Front panels and handles

Quickly adapted with an appealing design

- Diverse selection of front panels with aesthetic and functional properties
- Digital printing, silkscreen printing, paint and powders, in accordance with the requirements of your application
- Customized and standardized cut-outs and positioning
- Easy and intuitive front panel design using the nVent SCHROFF front panel configurator



Comprehensive selection of products

ELECTRONICS CABINETS FOR TEST AND MEASUREMENT APPLICATIONS

The nVent SCHROFF Novastar electronics cabinet looks sleek and can include customer logos and branding to display your product or company image. This impression is reinforced by the various versions of the frame and cover strips as well as the simple & modern looking solid glass doors.

Novastar

Light, sleek, and robust

Traditional application areas:

- Validation and optimization of signal processing
- Audio/video tests
- System and control monitoring
- Prototype test and development
- Test and inspection equipment



Door has 180° opening angle from the new hinge concept. Can be mounted on the left or right side



Robust locking handle



Simple fitting of side panel without tools



Heavy-duty rack with lateral groove for mounting support arm systems and other accessories



Extensive selection of castors

EUROPE

Straubenhardt, Germany

Tel +49.7082.794.0

Betschdorf, France

Tel +33.388.90.64.90

Warsaw, Poland

Tel +48.22.209.98.35

Lainate, Italy

Tel +39.02.5776151.224

NORTH AMERICA

All locations

Tel +1.800.525.4682

MIDDLE EAST & INDIA

Dubai, United Arab Emirates

Tel +971.4.37.81.700

Bangalore, India

Tel +91.80.67152000

Istanbul, Turkey

Tel +90.216.250.7374

ASIA

Shanghai, China

Tel +86.21.2412.6943

Qingdao, China

Tel +86.523.8771.6101

Singapore

Tel +65.6768.5800

Shin-Yokohama, Japan

Tel +81.45.476.0271



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER