www.amitronic.fi

AMITRONIC

Electronics production materials and machines

ESD protection

EMC and RF testing

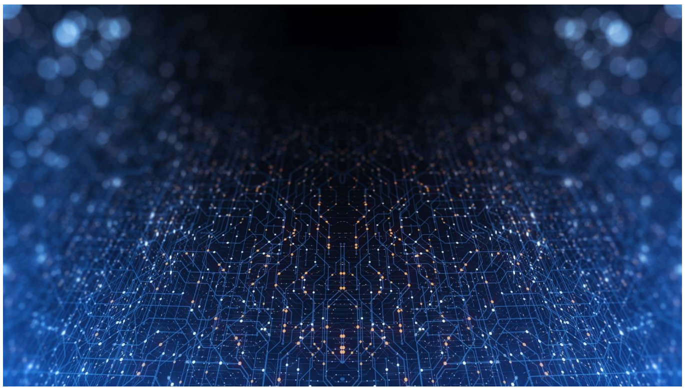
EMC and RF protection

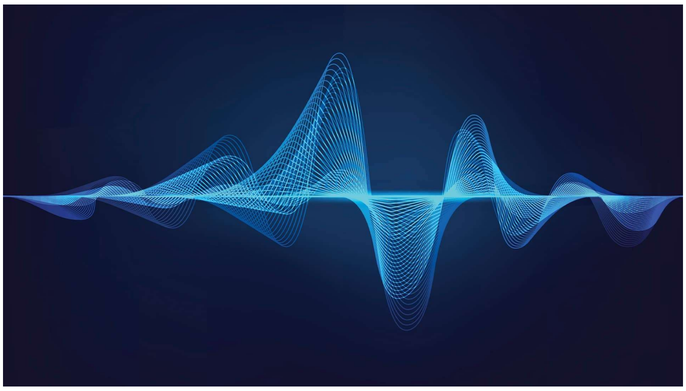
Environmental and material testing

AMITRONIC

Amitronic Oy is an importer of technical products. Our product range covers technical equipment, components, electronics production, protection materials, and EMC and environmental testing.

We aim to provide high-quality, cost-effective technical solutions from a single standard component to complete customer-specific systems.

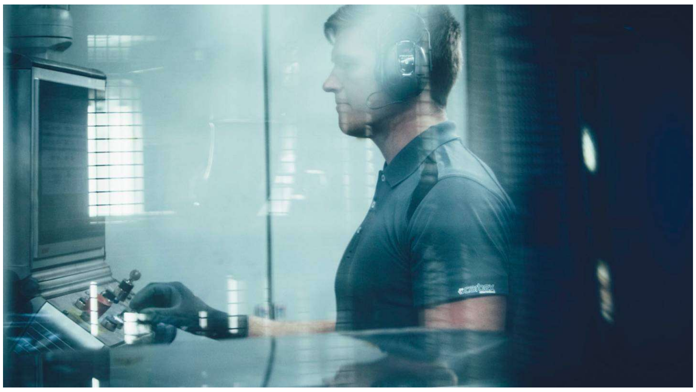




ADDTECH

Amitronic is part of the Addtech Group.

Addtech, a publicly listed Swedish technical solutions group, is home to Amitronic. Addtech's structure encompasses about 150 independent companies, each selling high-tech products and solutions to customers, primarily in the manufacturing and infrastructure sectors.
This unique model combines the agility and efficiency of a small company with the resources, networks, and long-term approach of a large business, making Addtech a force to be reckoned with.



SUSTAINABILITY

We are committed to sustainable business. Since the environment is one of our biggest concerns, our greatest aspiration is to increase our sustainability step by step. We report sustainability data yearly to Addtech, and it is audited by a third party to ensure transparency and quality.

Amitronic is fully committed to Addtech's sustainability vision:

SUSTAINABLE BUSINESS
ADDTECH

100%
of sales contribute to sustainable development

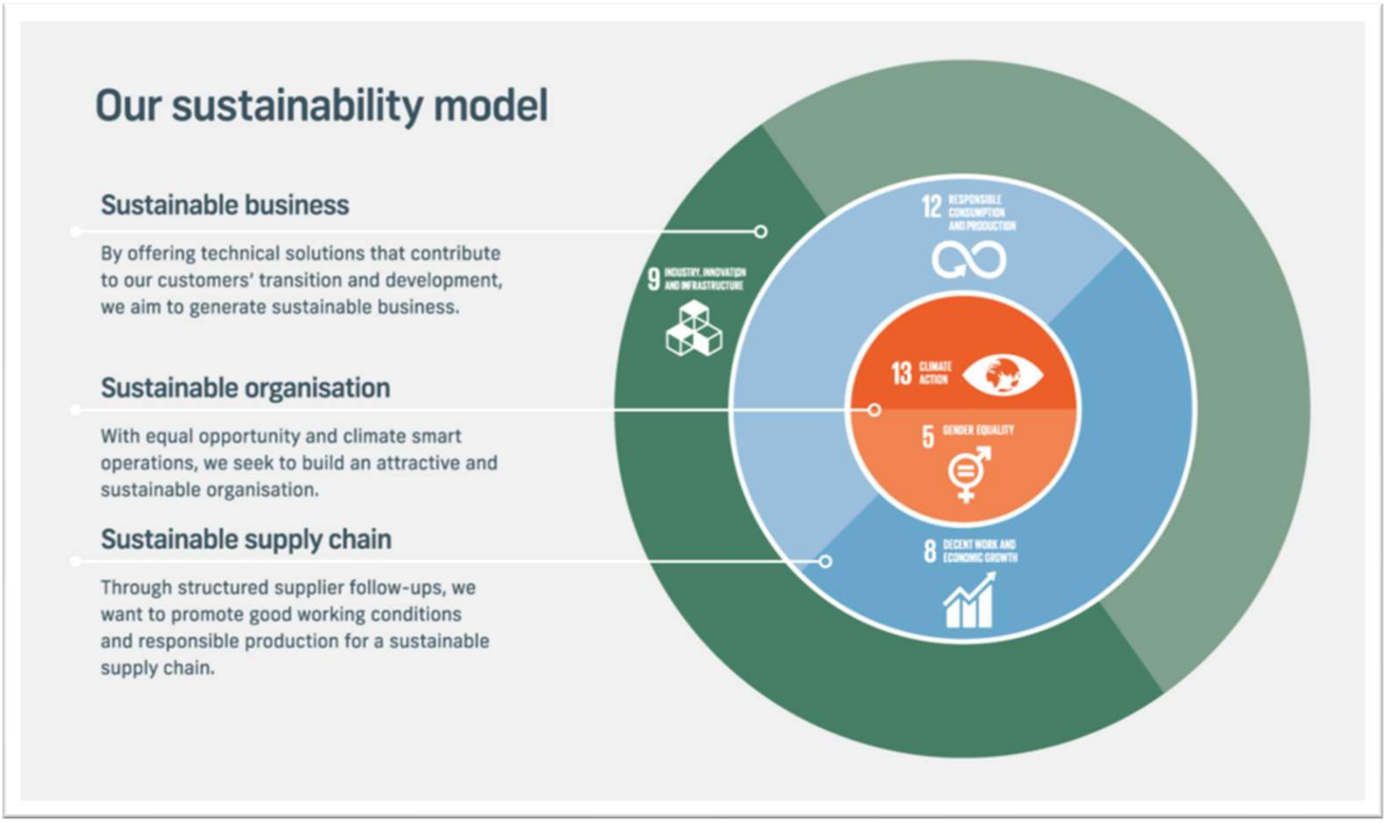
SUSTAINABLE ORGANISATION
ADDTECH

40%
women in leading positions

50%
reduced CO_2 intensity

SUSTAINABLE SUPPLY CHAIN
ADDTECH

80%
of the purchase volume assessed based on our Code of Conduct



Our sustainability model

Sustainable business

By offering technical solutions that contribute to our customers' transition and development, we aim to generate sustainable business.

Sustainable organisation

With equal opportunity and climate smart operations, we seek to build an attractive and sustainable organisation.

Sustainable supply chain

Through structured supplier follow-ups, we want to promote good working conditions and responsible production for a sustainable supply chain.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
13 CLIMATE ACTION
5 GENDER EQUALITY
8 DECENT WORK AND ECONOMIC GROWTH

PRODUCT CATEGORIES

Electronics production materials and machines
We have a comprehensive range of electronics production materials and machines.
Our selection for electronics manufacturing includes solder pastes and bars, silicones, conformal coatings and thermally conductive materials.
Our production machines consist of cleaning machines for PCBs, drying ovens, and dispensers.

ESD protection
With our ESD products, you will get efficient protection for your production site.
Our range contains products for workplaces, clothing, and shoes for employees.

EMC and RF testing
Amitronic has a high-quality range of EMC and RF testing equipment.
Our range includes EMC test equipment from ESD testers to EMC test chambers from well-known manufacturers.
Ensure your product's safety and efficiency with correct test equipment.

EMC and RF protection
Amitronic offers a wide range of EMC gaskets and protective materials for electronic devices.
You can find different options for electrically conducted gaskets.
We have, for example, beryllium-copper gaskets, conductive foam gaskets, and conductive elastomers.

Environmental and material testing
Amitronic offers customer-specific solutions for environmental and material testing.
We provide climate- and heat chambers and shock and vibration test chambers, as well as salt spray and mixed gas chambers.
We also provide TIRAtest test equipment for compression and bending tests.

Tarmontie 2
15860 Hollola, Finland
Tel. +358 (0)10 231 8800
sales@amitronic.fi
www.amitronic.fi

SUPPLIERS

MacDermid Alpha ELECTRONICS SOLUTIONS	Soldering materials, fluxes, stencils, adhesives
HumiSeal®	Conformal coatings, encapsulation resins
CHT SMART CHEMISTRY WITH CHARACTER.	Silicones
HALA	Thermal management
PVA	Dispensing and coating systems
HIOS®	Screwdrivers
THERMALTRONICS®	Soldering stations, tips, soldering equipment
MBtech	Cleaning machines for electronics
europlacer HIGH MIX PRODUCTIVITY	Paste printers
GEN3 PRECISION AS STANDARD	Test systems for electronics
Wolfgang Warmbier®	ESD products
AMETEK® COMPLIANCE TEST SOLUTIONS	EMC test equipment
TESEQ	EMC test equipment
emtest	EMC test equipment
COMTEST	EMC test chambers
SCHWARZBECK Mess-Elektronik	EMC test equipment
WAVECONTROL Safety, Quality, Service	EMF measurement equipment
SCHLEGEL electronic materials a member of EMEI Group	EMC protection materials
CLIMA TEMPERATUR SYSTEME CTS	Environmental simulation devices

Solder products

- Solder bars for wave soldering
- Solid solder wire for selective soldering
- Cored solder wire for hand soldering and rework

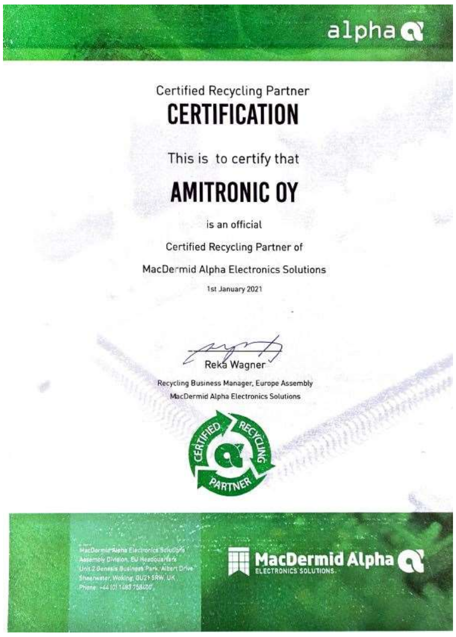
Available in multiple alloys: SAC305, SACX+0307, SnCX100, HRL3, Sn63Pb37 etc.

Solder pastes

Available for multiple applications:

- General purpose
- High mechanical reliability
- High electrochemical reliability
- Low void
- Low temperature
- Low residue
- Fine feature
- Jetting
- Vapor phase
- Vacuum reflow

Solder dross and solder paste waste recycling service



alpha

Certified Recycling Partner

CERTIFICATION

This is to certify that

AMITRONIC OY

is an official

Certified Recycling Partner of

MacDermid Alpha Electronics Solutions

1st January 2021

Reka Wagner

Recycling Business Manager, Europe Assembly

MacDermid Alpha Electronics Solutions

MacDermid Alpha Electronics Solutions
Assembly Division, EU Headquarters
Unit 2 Genesis Business Park, Albert Drive
Sheerwater, Woking, GU21 5RW, UK
Phone: +44 (0) 1483 758400

MacDermid Alpha
ELECTRONICS SOLUTIONS

Suitable wastes for recycling:

- Solid solder bars, blocks and wires
- Solder dross
- Solder paste
- Empty solder paste jars and cartridges
- Solder paste cleaning wipes.

We offer collection buckets for dross and paste for our customers free of charge.

Solder preforms

High quality Alpha solder preforms:

- Increase solder joint realiability
- Reduce voiding
- Reduce residues
- Control component bond line thickness
- Support Elimination-of-Wave-Soldering

Available in multiple alloys.

Stencils and tension frame systems

Alpha offers a complete stencil solution:

- High quality HR2 stencils
- TensoRED master tensioning frame
- Alpha STEP stencils
- Zero Defect Design Rules for apertures
- iStencil Online Ordering System

SMD adhesives

alpha
ALPHA

Fluxes

ALPHA
EF-8000
10 Litres
Lot No.
alpha

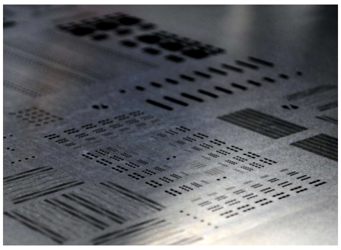
alpha
ALPHA
Paste Flux

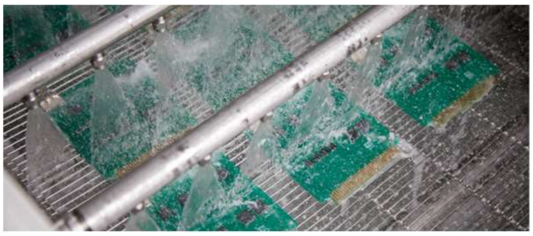
Thermally conductive materials

- Thermally conductive gap fillers
- Dispensable gap fillers
- Thermally conductive tapes
- Thermally conductive foils
- Phase Change materials
- Graphites

HALA
Gap Filler

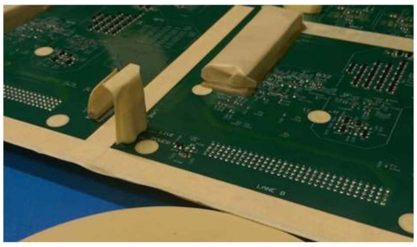
Electronics cleaning agents





Cleaning materials

Protection tapes for electronics

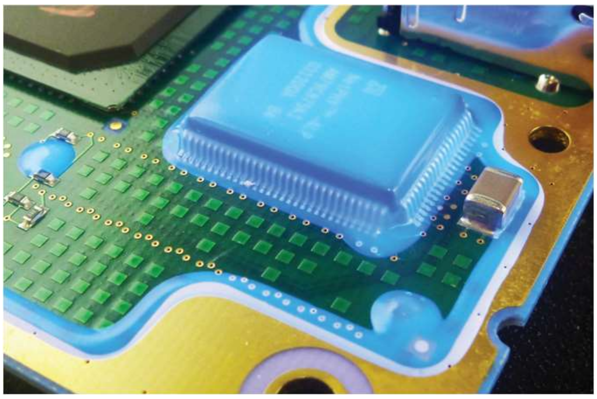


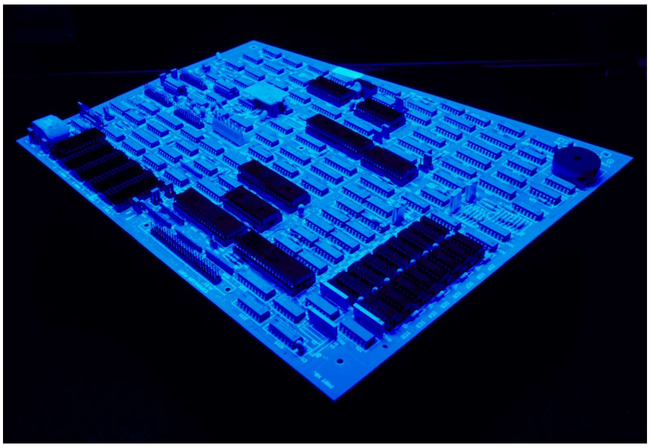
Labels

IDENTCO
0020066126
13740197 B
CMS
IDENTCO
IDENTCO

Splicing tapes, materials and tools

Conformal coatings, thinners and encapsulants





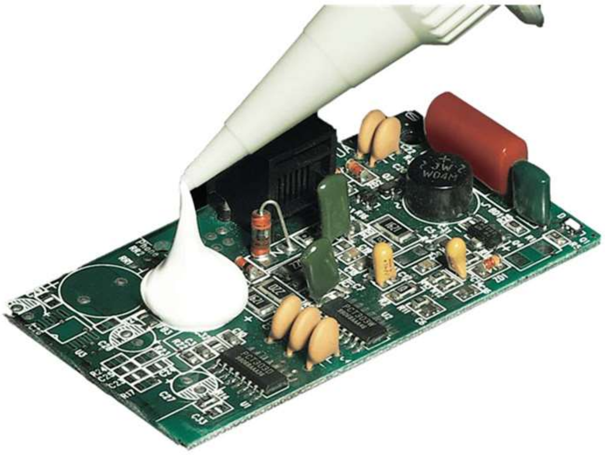
Protect your PCB from e.g. humidity and corrosion

- Acrylic coatings
- Polyurethane coatings
- UV curable coatings
- Silicone coatings
- SEC coatings (Sharp Edge Coverage)
- Thinners
- Epoxy and poyurethane encapsulants
- UV curable acrylates
- Masking tapes, synthetic peelable mask
- Acrylic- polyurethane and UV gels
- Coating removal machines

HumiSeal
5Ltr
WWW.HUMISEAL.COM

HumiSeal®

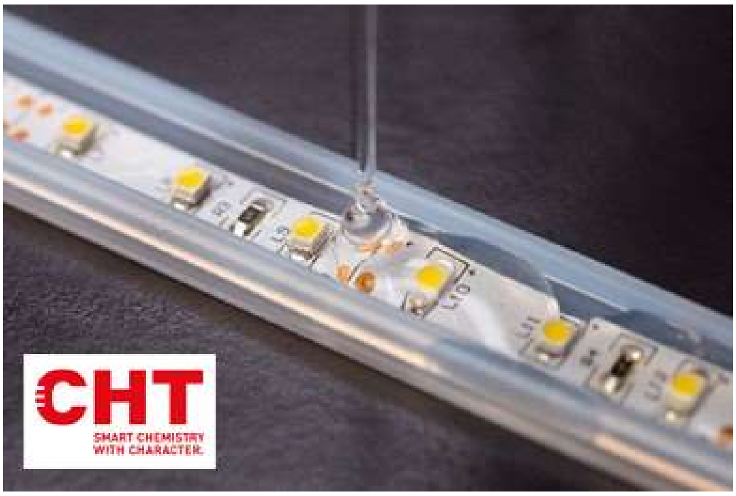
Silicones



- Adhesives and sealants
- Silicone encapsulants
- Thermally conductive silicones
- Optically clear silicone encapsulants
- Silicone gels
- Silicone greases
- Silicones for E-mobility
- Light silicone foams

CHT
SMART CHEMISTRY
WITH CHARACTER.

CHT
SMART CHEMISTRY WITH CHARACTER.
Silicones for Electrical & Electronics Applications
310ml


CHT
SMART CHEMISTRY WITH CHARACTER.

Electronics production testing systems

AutoCAF2+
CONDUCTIVE ANODIC FILAMENT MONITORING SYSTEM
GEN3

AutoSIR2+
SURFACE INSULATION RESISTANCE TESTING SYSTEM
GEN3

Gen3 Systems testing systems for multiple applications:

- SIR, Surface Insulation Resistance
- CAF, Conductive Anodic Filament
- Ionic Contamination
- Solderability

Production machines of electronics manufacturing:

- Manual stencil cleaning system

CM+ Accessories Kit
CONTAMINOMETER
IONIC CONTAMINATION TESTER
GEN3

MUST
SYSTEM 3
GEN3

GEN3
Gensonic

GEN3
PRECISION AS STANDARD

Dispensing and coating systems

PVA
REGULATOR

PVA dispensing and coating applications:

- In-line automatic systems
- In-line drying ovens
- Table-top batch systems
- Manual systems
- Dispensing tips and other consumables

PVA
Delta Therm

PVA
PRECISION TIPS
PVA
PRECISION TIPS

Hand soldering stations and accessories

Tip Tinner
THERMALTRONICS
Part No: TMT-TC-2
Wt. 20 g
www.thermaltronics.com

ONE • STEP • LF™
NO-CLEAN • LEAD-FREE
SIZE D 5 FT
CAT. NO. LF-D-5AS
EASY BRAID CO.

Thermaltronics hand soldering products:

- Soldering stations
- Soldering tips
- Desoldering kits and Tweezer kits
- Hot-Air tools
- Preheaters

THERMALTRONICS

THERMALTRONICS
391
POWER
ON
OFF
RE-WORK / COOL DOWN
AIR
SET TEMP

THERMALTRONICS®

Solder paste printers

EP1550
europlacer

iP7
europlacer

PCB logistics

Stencil storage

Electronics cleaning systems

- PCB cleaning systems
- Stencil cleaning systems
- Maintenance cleaning systems

PCB separators and magazines

cab
Hektor 2

cab
MAESTRO 6

Coating removal system

Microscopes

Hot welding systems

Drying cabinets and ovens

Screwdrivers

HIOS®

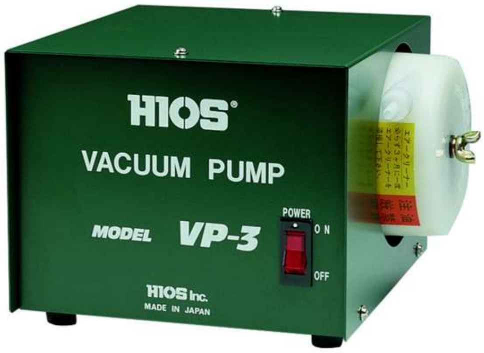
HIOS
BLF-5000

PULL TO DECREASE TENSION

HIOS
HP-100
Digital Torque Meter

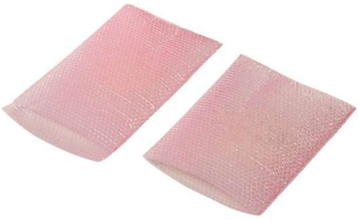
- Screwdrivers
  - Available in ESD version
  - Intelligent screwdrivers
  - Suction screwdrivers
- Related tools such as torque meters, screw feeders, counters, vacuum pumps and spring balancers etc.

HSⅢ-17C
HIOS
NEJITAROⅡ


HIOS
VACUUM PUMP
MODEL VP-3
POWER
ON
OFF
HIOS Inc.
MADE IN JAPAN

ESD packaging materials

- Bags
- Bubble wrap reels
- Strech film and reel holders
- Humidity indicators
- Polyurethane foams
- Cardboard boxes
- Pallets and pallet collars



ESD storage systems

- Boxes
- Dividers
- Bins
- SMD spool racks
- PCB racks

SIEMENS
SMD

ESD carts and shelves

- Carts
- Shelves
- Transport trolleys
- Transport pallets

ESD measurement equipment

- Walking testing system
- Surface resistivity system
- Probes

METRISO 3000

ELECTROMETER
Voltage
WT 5000

ESD Ionization

- Ionizators
- Ionizator testers
- Spot ionizators

Aero-Body Ion Bar

ESD personel grounding testers

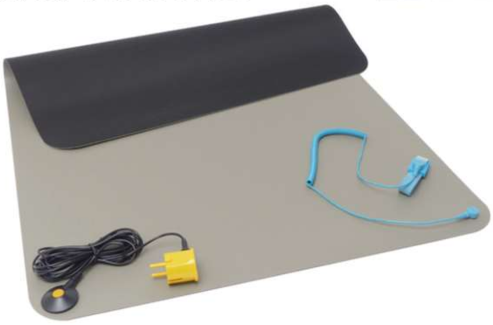
- Personel grounding testing systems
- Testing stations
- Calibration systems
- Testing data collection

PGT 130DT
ESD test passed
RFID
PRESS
PRESS

PGTest STATION

ESD mats and flooring materials

- Floor mats
- Table mats
- Standing mats
- Floor paints
- Floor installation accesories



Ecostat® DF Polycan WL 2

ESD workstations, tapes and marking

- Workstations and accesories
- Chairs
- Tapes
- Packacing labels
- Warning signs
- Warning tapes

ACHTUNG
ATTENTION

ESD office supplies

- Binders
- Document holders
- Tape dispensers
- Protection film
- Rubber bands

ESD clothing and personel grounding

- Work jackets
- Shirts
- Work pants
- Shoes
- Shoe laces and soles
- Work gloves
- Grounding accessories

ESD tools

- Screwdrivers
- Pliers
- Tweezers
- Portable working station
- Brushes

FIELD SERVICE KIT

ESD cleaning products

- Vacuum cleaners
- Brushes
- Cleaning agents
- Bins and trash bags
- Cleaning wipes

ESD simulators

IEC 61000-4-2
ISO 10605

Transient generators (burst, surge)

IEC 61000-4-4/5
IEC 61000-4-8/9/11/29

Harmonics & Flicker

IEC 61000-3-2/12
IEC 61000-3-3/11

Magnetic fields

IEC 61000-4-8
IEC 61000-4-9

Dips, interrupts & variations

IEC 61000-4-11
IEC 61000-4-29

TVT 1-250-16
F1.1
PF 1
PF 2
N
PE
PF5
16 A/M
100 %
40 / 70 / 80 %
0 - 10 V
F1.2
16 A/M
40 %
70 %
80 %
AMETEK
emtest

Ring Wave / Damped oscillatory

IEC 61000-4-12
IEC 61000-4-18

Programmable AC/DC Power

Single Phase 3 kVA – 7 kVA
Three Phase 20 kVA – 250 kVA

Automotive

ECE R10
ISO 7637
ISO 16750
LV 124

RF amplifiers

10 kHz – 40 GHz
35 W – 16 kW

RF immunity test systems

IEC 61000-4-3/6/20/21

NSG 4031
TESEQ | AMETEK
TESEQ

RF coupling networks / LISN

IEC 61000-4-6/16/19/31
CISPR 22/32

COUPLING AND DECOUPLING NETWORK
CDN S900
TESEQ
EUT
RF
AE
ZUSATZGERÄTE
PRÜFLING
FIRST CONNECT PE TO
ZUERST SCHUTZLEITER AN

RF probes & clamps

IEC 61000-4-6
CISPR 16-2-4

RF system components

Preamplifiers
Power Meters
Rf-Switches
Attenuators
Couplers

TESEQ
OUT
IN
LNA 6000
1MHz... 3GHz, 12.5dB, max. -2dBm
SERIAL No. 70020
MADE IN GERMANY

GTEM / TEM Cells / Striplines

IEC 61000-4-20/21

Antennas

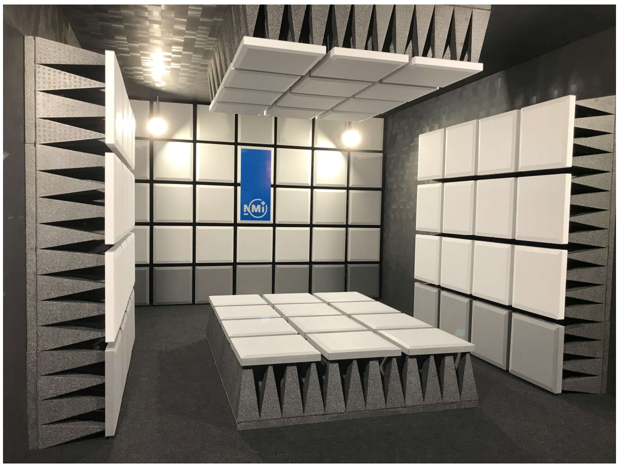
Bicon
Bilog
Horn
LogPer
Loop

Calibration service

AMETEK®
COMPLIANCE TEST SOLUTIONS

Chambers

- Semi Anechoic Chambers
- Full Anechoic Chambers
- Radiated Immunity Chambers
- Automotive Test Chambers
- MIL-STD Component Test Chambers
- Reverberation Test Chambers



RF absorbers

- Hybrid Absorbers
- Microwave Absorbers

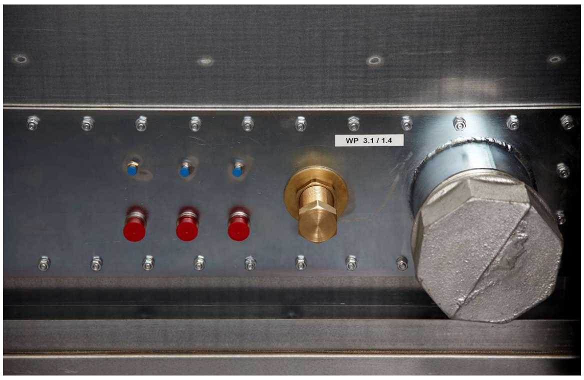
Antenna positioners

Antenna masts

Turntables

RF feedthroughs and filters

- N, K, SMA, FSMA connectors
- FO feedtroughs



RF cables

- N, BNC, 7/16, SMA, 2,92mm connectors
- DC – 110 GHz

RF filters, EMC lamps

•IP66
•IK08
•80W

EMC cameras

- Cam5 – COMPACT CAMERA
- HDCam6E – HD COLOUR CAMERA
- HDCam7 – HD ADVANCED CAMERA
- IPCam7 – FULL HD IP CAMERA

PONTIS
EMC PRODUCTS

FO converters

- foBROAD-REACH (AUTOMOTIVE)
- foCAN
- foCARCHARGER
- foETHERNET
- foHDMI
- foLIN
- foRS232
- foUSB

PONTIS
EMC PRODUCTS
foCAN
PONTIS
EMC PRODUCTS
foCAN

COMTEST®
ENGINEERING

maturo

AUDIVO
AUDIO AND VIDEO SOLUTIONS

Lumiloop field probes

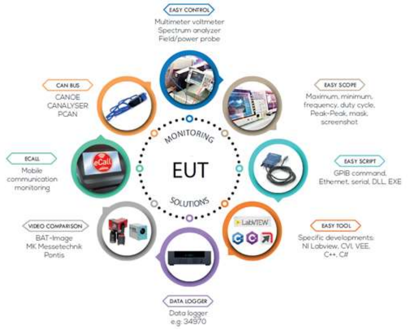
- High sampling rate allows for high resolution time-domain signal analysis
- Synchronize with signal generators to realize high resolution pulse analysis
- Accelerates standard EMC measurements by facto 100!

LSProbe
LUMILOOP

LUMILOOP
LUMILOOP LSFrame Basic

Nexio EMC software

SIMULATION


EASY CONTROL
Multimeter voltmeter
Spectrum analyzer
Field/power probe
CAN BUS
CANOE
CANALYSER
PCAN
EASY SCOPE
Maximum, minimum, frequency, duty cycle, Peak-Peak, mask, screenshot
ECALL
Mobile communication monitoring
MONITORING
EUT
SOLUTIONS
EASY SCRIPT
GPIB command, Ethernet, serial, DLL, EXE
VIDEO COMPARISON
BAT-Image
MK Messetechnik
Pontis
EASY TOOL
Specific developments: NI Labview, CVI, VEE, C++, C#
DATA LOGGER
Data logger
e.g. 34970

- Unique interface for all test
- Independent of any measurement equipment
- Free drivers and more than 500 supported devices
- Efficient and dedicated technical support
- Large number of supported standards (EN IEC, CISPR, AUTOMOTIVE, DO160, MIL-STD, ETSI, etc.)
- Interface Agilent VEE ™, MS Windows™, LabView, Lab Windows CVI™
- Operating system: Microsoft Windows™ 10 and 11…

EMZER EMSCOPE

- FFT-based dual-channel receiver
- According to CISPR16-1-1
- Peak, Quasi-Peak and Average Detectors
- Resolution Bandwidth Filters of 200 Hz, 9 kHz, and 120 kHz (CISPR), and 1 kHz and 10 kHz (MIL)
- The fastest receiver in the market: Line and Neutral measurements with the 3 detectors simultaneously (6 simultaneous measurements)

EQUIPMENT UNDER TEST
EMSCOPE
emzer

EMF - Meter

- DC Field measurements
- Spectrum Analysis – FFT up to 10 MHz
- Broadband measurements up to 60 GHz

WAVECONTROL SMP2
36.37
57.16
OK

RF personal monitor

- DC – 60 GHz
- Visual, acoustic and vibration alarms

W
200
100
75
50
25
10
WaveMon
RF-60

EMF area monitor

- Continuous EMF monitoring
- Indoor and outdoor models

WAVECONTROL

RF field probes

- DC – 60 GHz

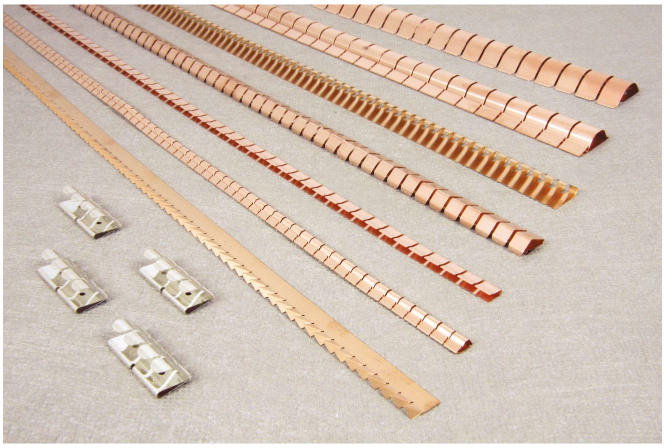
A-INFO

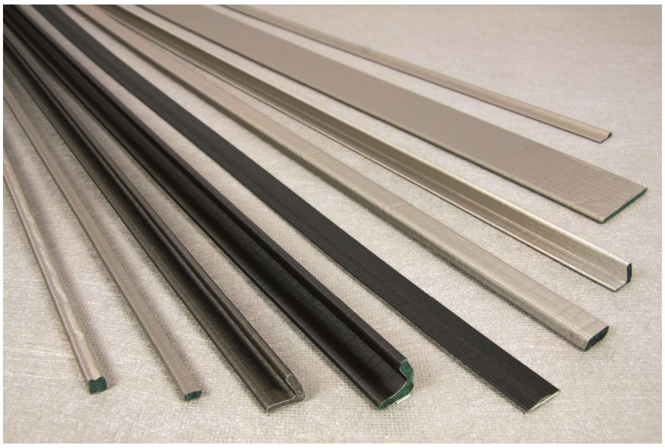
A-INFO has a broad range of antennas available, ranging from 30 MHz to 500 GHz. Their unique knowledge is related to millimeter antennas used in 5G and 6G testing purposes.

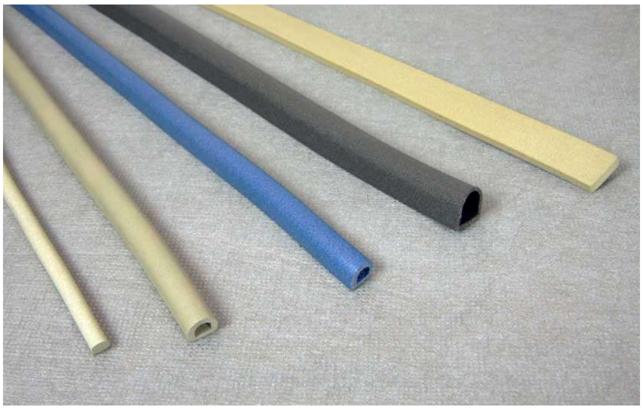
EMC gaskets

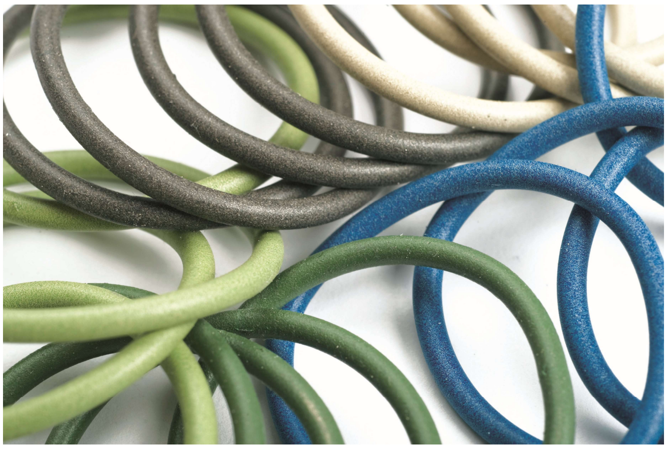
We have various gaskets with different mounting styles and plated finishes. Gaskets are available in different sizes, shapes, and profiles cut to length.

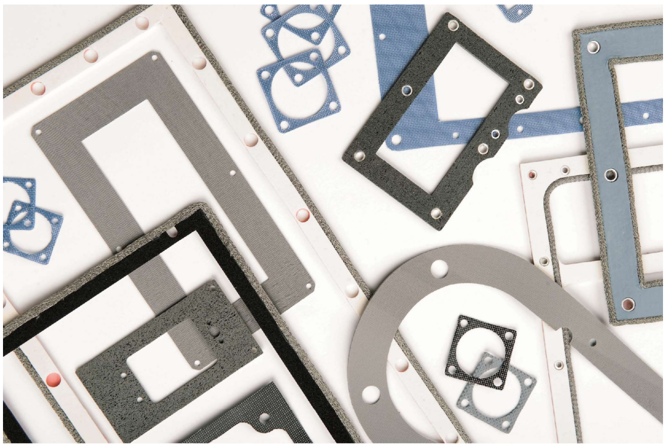
- Fingerstock gaskets
- Fabric over foam gaskets
- Conductive elastomers
- O-rings
- Knitted wire mesh
- Conductive foams







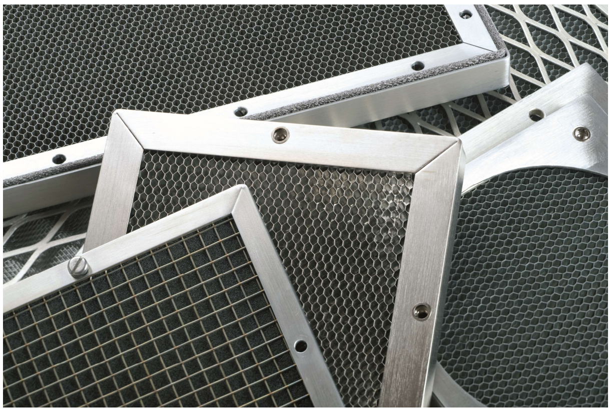


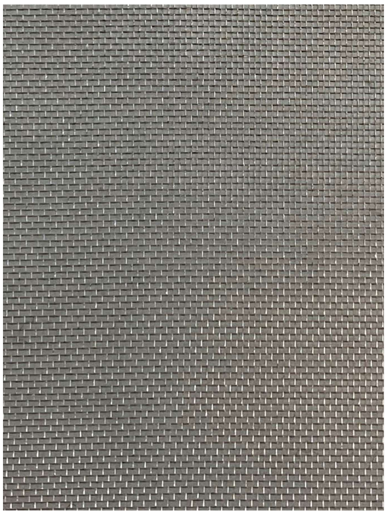


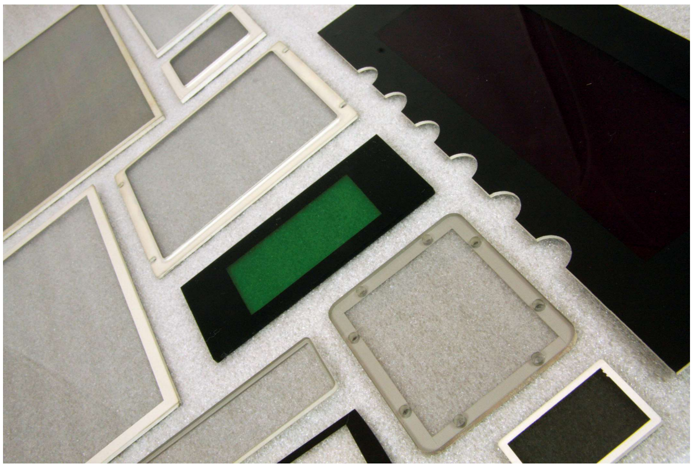
RF shielding

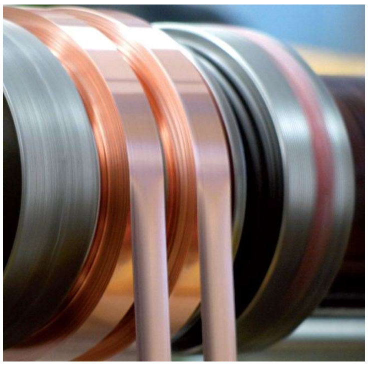
Many electrically conductive adhesives provide efficient RFI/EMI shielding and grounding solutions.
There are different thicknesses and textures available for various protection needs.

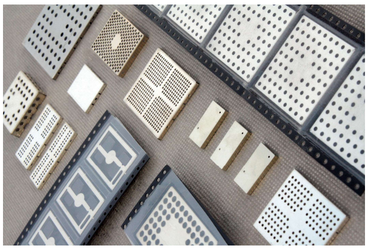
- Conductive adhesives
- Honeycombs
- EMC mesh
- RF shielded windows
- Tapes
- Boarding level shielding cans
- Conductive coatings











Climate test chambers

Temperature test chambers

Shock test chambers

Vibration test cabinets

The chambers are available with environmentally healthy refrigerant, CO2. CTS is a pioneer of this technology and they have already supplied these CO2 chambers since 2018.

CO2
Cooling
natural refrigerant, not toxic, not combustible

Emission test chambers

CTS
olfasense
EK1000
emission test chamber

Walk-in test chambers

Softwares

Calibrations

CLIMA
TEMPERATUR
SYSTEME
CTS

Material testing

TIRA test 28500
TIRA test 2850
TIRA test 2810

www.amitronic.fi

AMITRONIC

⌂ Tarmontie 2
15860 Hollola, Finland
☎ Tel. +358 (0)10 231 8800
✉ sales@amitronic.fi
🌐 www.amitronic.fi