



 **Igla Trade**

Contents

Introduction	3
Fixtest product range	4
<small>www.fixtest.de</small>	
Accessories for Test Probes / contact cleaning	5
Elcon Test Probes	6
<small>www.elcon-online.com</small>	
ATX Hardware Test Fixtures	7
<small>www.atx-hardware.de</small>	
Test Coach LED testers	8
<small>www.testcoach.com</small>	
Base materials for Test Fixtures and Soldering Frames	9
ODU connector systems and accessories	10
<small>www.odu.de</small>	
Jonard and OK tools for Telecom, Fiber Optics, CATV, Wireless and Electronic Industries	11
<small>www.jonard.com</small>	
Manufacturing services	12
Services	13
ABI Electronics	14
<small>www.abielectronics.com</small>	
Spring Force Measuring Device HFG-50	15
Wittig Electronic	16
Carton Optical Industries	17
<small>www.carton-opt.co.jp</small>	
View Solutions	18
<small>www.viewolutionsinc.com</small>	
Bernstein	19
<small>www.bernstein.de</small>	

Introduction

Igla Trade group provides various test-related products and services and other industrial products as well mainly to customers in Automotive and Electronic Industries.

We have our experienced team in Hungary from 2001, in Romania from 2002 and in Poland from 2006, who are pleased to assist you at any time. Among our suppliers and subcontractors are German, American, British, Japanese, Italian, Hungarian, etc. manufacturers. These are the following:

- FIXTEST
- NANOTEK
- CAIG
- ELCON
- ATX HARDWARE
- TEST COACH
- ODU
- JONARD
- OK
- ABI ELECTRONICS
- WITTIG ELECTRONIC
 - NIPPON CHEMI-CON
 - KEMET
 - TAIYO YUDEN
- CARTON OPTICAL
- VIEW SOLUTIONS
- BERNSTEIN

Some of our main customers are the following:

Automotive industry:

- VOLKSWAGEN
- BOSCH
- VALEO
- TYCO
- LEAR
- YAZAKI
- LEONI
- TOYOTA
- SEWS CABIND

Electronic industry:

- JABIL
- FOXCONN
- FLEXTRONICS
- BENCHMARK
- VIDEOTON
- LACROIX
- ELECTROLUX
- TEMIC
- CONTINENTAL

Fixtest product range

www.fixtest.de

Availability:   



- Design and production of interconnecting contacts and fixtures for the test of bare boards and loaded boards.
- Special plated test probes for Lead Free technology (XXLoglife)
- Fine-Pitch-Contacts for Test Sockets and Hybrids / ASIC's.
- Switching probes and Pneumatic Probes for Functional Testers.
- Spring Contacts for Battery Chargers, Docking Stations, Handheld Equipment, Mobile Phones and Radios as well as Interfaces and Backpanels.
- Fixtest's large standard range offers a solution for almost any of your requirements. For more complex applications Fixtest produces custom design contacts, even in small quantities - which is one of Fixtest's strengths.

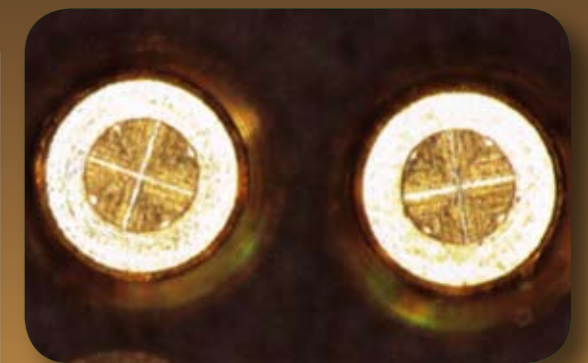
Accessories for Test Probes / contact cleaning

Availability:   

Nanotek Brush is a perfect choice to remove solder or other contamination from Test Probes or contact surfaces. Thin (□ 0,03-0,05mm) stainless steel brushes ensures the easy removal without damaging the surface! Different sizes available for different applications.

Caig Laboratories has developed contact cleaning and enhancing treatments for optimum signal integrity:

- Oxid removing and preserving contact conditioners
- Lubricants for electrical connections
- Rejuvenating enhancers for highly valuable equipment in the audio technology, aviation maintenance, nautical instruments and many other applications.
- DeoxIT cleaning, oxide removing
- DeoxIT Gold contact enhancer



Elcon Test Probes

www.elcon-online.com

Availability:   



ATX Hardware Test Fixtures

www.atx-hardware.de

Availability:   



Elcon S.A.S. is a specialist in production of spring contact probes and also CAD-supported lathe tooling of micro pieces. All this pieces are after special wishes and designs of customers. To these specialities is added of course the large range of standard test probes. For each need Elcon have already developed the right spring contact.



ATX Hardware is a specialist of Test Fixtures and offers the widest variety of solutions

- Twister (rotation fixture)
- Vacuum fixture
- Fine pitch fixture
- Vacuum tooling free exchangeable cassette system
- Mechanical tooling free exchangeable cassette system
- Mechanical tooling free exchangeable cassette system "Low Cost"
- Mechanical stand alone fixture
- Linear arm fixture
- Interface converter
- In-Line fixture
- Custom made solutions
- Functional test fixture
- ATX Turntable fixture
- Fixture accessory and spare parts



Test Coach LED testers

www.testcoach.com

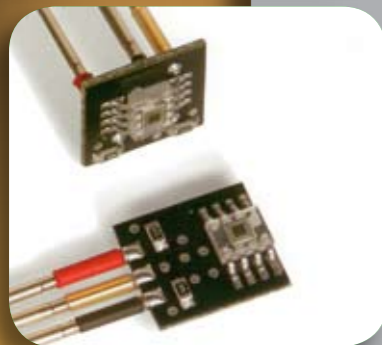


Availability:   



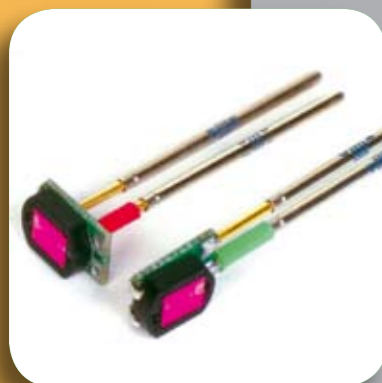
Ultra FINN - The new standard in LED testing.

The Ultra FINN builds on the technology of its predecessor products, FINN and Smart FINN, to deliver the ultimate solution in LED testing available on the market today. Improved accuracy provides wider range, greater discrimination between hues and increased precision. Its faster speed further decreases test times and the Ultra FINN™'s small size allows for testing very closely spaced LEDs. A new customized sleeve also means easy fixturing - the Ultra FINN™ can be placed directly into a top plate, much like a probe socket.



Smart FINN - The intelligent method of LED color verification.

Test Coach Corporation, the creators of the advanced FINN System, have developed a new, full color system for LED verification - the SMART FINN. The Smart FINN delivers highly accurate LED color and strength readings for any test environment. The FINN has always been easy to install and simple to use, now the new Smart FINN provides full color LED verification in one FINN. The Smart FINN is available in right angle and vertical configurations.



FINN - a quiet revolution in LED color verification.

The revolutionary FINN System is a miniaturized, fixture-mounted, software driven optical sensor for automated LED color verification. Its low cost simplicity, automated operation, and astonishing ease of fixture installation make the FINN the ideal alternative to risky, time-consuming manual inspection or cumbersome add-on testing equipment.

Base materials for Test Fixtures and Soldering Frames

Availability:   

We offer base materials for fixture production with variety of epoxy and plastic sheets like FR4, antistatic FR4, CEM1, antistatic PVC. We also supply our customers with antistatic materials used for manufacturing solder frames and pallets. These materials can substitute metallic solder frames (or other materials) with great advantage. Our materials have excellent dimensional stability, very good chemical resistance with surface resistivity 10E5 to 10E9 Ohm/Square.

Application:

- Full process solder frame, SMT and selective soldering process
- Components insertion
- Reflow soldering
- Components protection
- Testing of PCBs

Our service:

- Material supplies (sheets, blanks)
- Production of solder frames and pallets according to clients drawings
- Complete service (Screening, design, production of solder frames and pallets)



ODU connector systems and accessories

www.odu.de

Availability:   



Jonard and OK tools for Telecom, Fiber Optics, CATV, Wireless and Electronic Industries

www.jonard.com

Availability:   



ODU develops and manufactures connectors on the basis of turned and stamped contacts for transmitting power and signals. We offer you expert consultation, 3D-CAD designs, rapid prototyping, tool manufacture, stamping, turning, injection, refining, assembly automation and HF technology, all from one source.

Standard products are:

- Metal and plastic push-pull cylindrical connectors
- Modular, stringable rectangular connectors
- Connections for the PCB
- Single contacts

ODU offers special connectors on request!



Jonard Industries Products are used in many diversified applications. Engineers from Jonard have worked directly with customers to develop unique Custom Products and to make standard tools as user friendly as possible.

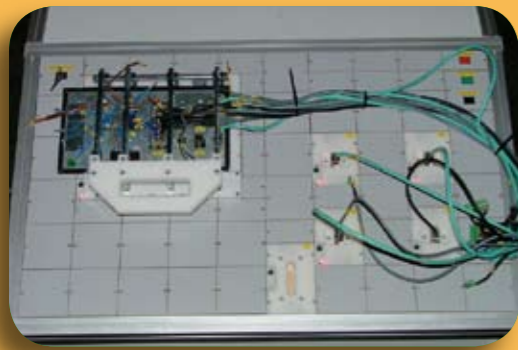
Jonard work with Certified Ergonomists to design tools with worker safety in mind. Strong ergonomic concentration and focus has provided the insights and ability to design tools that mitigate pressure on the palm, the leading cause of injuries such as carpal tunnel syndrome.

ALL JONARD INDUSTRIES PRODUCTS ARE RoHS COMPLIANT.



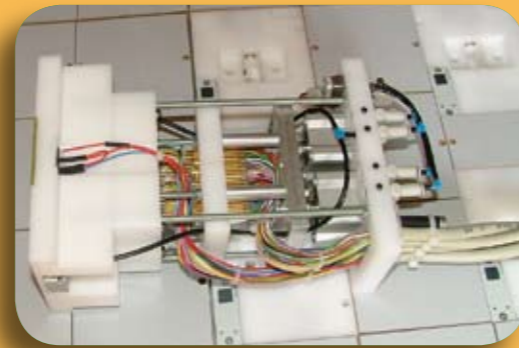
Manufacturing services

Availability:   



We offer different testing solutions to our partners from single parts to complete solution in the following area:

- Test Adapters for ICT / FCT / Special Use
- Test Tables / Blocks for Cable Harnesses
- Test Jigs / Connectors for contrapart testing
- Assembly Jigs
- Soldering Frames (special Teflon coating available on request)
- Single parts



We offer many helpful services to help daily work or to solve problems for contracted partners.

- Free catalogue / document support
- Free consultation on testing demands
- Tester maintenance support
- Wiring support for test fixtures
- Spare part support for Test Fixtures
- Development of unique contacts for testing problems



ABI Electronics
www.abielectronics.com

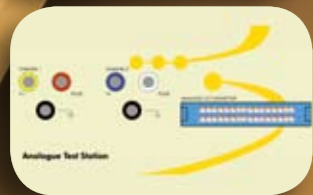


Availability:



The BoardMaster Range

offers the highest possible test performance with its Universal Diagnostic Systems. The ultimate in fault diagnosis capability is provided in completely self-contained, stand-alone, bench-top units.



The SYSTEM 8 Solutions

offers the most common test combinations at a cost-effective price. Combining both analogue and digital testing techniques, they provide an excellent starter package for electronics repair applications.



The SYSTEM 8 Range

offers a variety of testing solutions for easy installation into a standard PC CD-ROM slot. The range can also be supplied in a custom designed SYSTEM 8 MultiLink external case with a USB and Ethernet connection - ideal for use with a laptop



The Circuit Master 4000M Precision Active Oscilloscope

combines the power of a 100 MHz DSO, active signal generation and 0.1% accurate DC measurement to provide a wealth of circuit diagnostic information.



ChipMaster Compact Professional

A handheld, battery powered digital IC tester designed to test digital devices from TTL, CMOS, Memory, Interface and LSI families.



JTAGMaster Tester and Programmer

is a fully integrated solution for the configuration and diagnosis of Programmable Logic Devices (PLDs).

Spring Force Measuring Device HFG-50

Availability:

The HFG-50 50N capacity Handy Force Gauge is an accurate, high quality instrument, which was developed for simple and accurate measurement of contact compression force on test probes kept in hand or mounted on a support. It is also suitable for tension force measuring.

Operation features:

- Small, lightweight, handheld, fits in pocket,
- Strain gauge load cell system for accurate force measurement,
- High grade amplifier for strain gauge bridge,
- Programmable microprocessor controlled,
- Easy to read 3 digit LCD display with large numbers,
- Hold function for displaying the maximum force,
- Low voltage warning: LoBat,
- Operating voltage: 9V DC - battery or rechargeable accumulator,
- Alarm signal at overload, at 120% of full scale (60N),
- LED display for tension load signaling,
- Automatic switch-off in 30 seconds if the force is under 1N,
- Robust case, the cabinet load free, when mounted on a support (test stand),
- High durability: more than 1.000.000 cycles,
- Foil keyboard with 2 keys,
- Lead free soldering construction,
- Easy installation and handling, calibrated, (available Test Report)



Wittig Electronic

wittig ELECTRONIC GmbH
VERTRIEB ELEKTRONISCHER BAUELEMENTE

Carton

Carton Optical Industries

www.carton-opt.co.jp

Availability:   

Availability:   

As a support partner of Wittig Electronic we offer a wide variety of passive electronic components to our partners.



- Aliminum Elektrolytic Capacitors
- Polimer Capacitors
- Ceramic Capacitors



- Aliminum Elektrolytic Capacitors
- Polimer Capacitors
- Ceramic Capacitors



- Ceramic Capacitors
- Tantalum Capacitors
- Aluminum Polymer Capacitors



- Film Capacitors
- Suppression Capacitors



- Voltage Controlled Oszilator - VOC
- Inductors
- EMI Filter
- Varistors - smd
- HF Chip Filter
- Ceramic Material



- Varistors
- Suppression Capacitors



- Resistors
- Fuses
- NTCs PTCs



- Tantalum Capacitors
- Polymer Capacitors



- Primary Batteries
- Rechargeable Batteries



- LED
- LCD Displays



- Special Solutions
- Sourcing
- Logistics
- Research & Development
- Consultation of Components
- Preparation of Components
- Tape & Real of Components
- Repaircenter



- SAW Filter
- SAW Resonators
- SAW Seniors
- SAW RF-ID Tags

Stereo Microscopes and accessories

- Stands
- Illuminators
- Eyepieces
- Objectives
- Digital Microscopy

We offer other optical equipment for quality check and precise work!

- Hand magnifiers
- Head lupes
- Desk magnifiers with fluorescent lamp



View Solutions
www.viewolutionsinc.com

Availability:   



Bernstein
www.bernstein.de

Availability:  



LCD Monitor

- Viewable: 8" (optional 10")
- Native resolution: 800x600 (1024x768 with 10")
- Dot pitch: 0.297mm
- Contrast: 300:1
- Viewing angle: about 150 degree
- Response time: 25ms
- Brightness: 250cd/m²
- Video output: BNC (PAL / NTSC)

Optics

- Total magnification: 3.3X~147X
- Zoom body: 0.7~4.5X, with detents
- Zoom ratio: 1: 6.5
- Optional objective lens: 0.5X, 0.75X, 1X, 1.5X, 2X
- 3D attachment: 35o for 0.75X objective lens

Accessories

- LED ring light: DC 12V, 0.5mA
- LED ring light with adjustable brightness
- Optional illuminator is available.
- Laser pointer: DC 5V
- Body size: 76mm, suitable for all microscope stands, boom stands and flexible arm stands
- Power supply: 85-265V, 50/60Hz

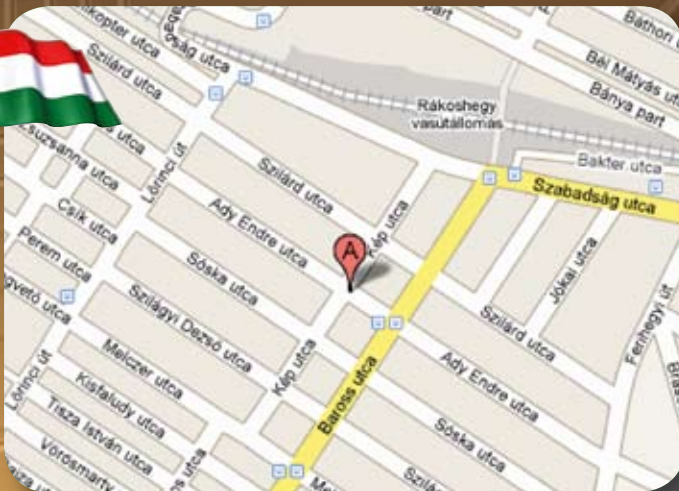


One of the leading suppliers of industrial safety technology. As a system integrator Bernstein provides all inclusive solutions based on a range of switches, sensors and enclosures and their interaction. Operator, machine and process safety are therefore the main focus of attention. In other words: a comprehensive product program which fully meets relevant safety requirements and yet is suited for specific applications.

- Limit switches
- Foot switches
- Rope-Pull switches
- Safety switches
- Conveyor belt monitoring switch
- Pushbuttons
- Accessories
- Inductive sensors
- Capacitive sensors
- Photoelectric sensors
- Magnetic switches
- Float switches
- Safety device inductive
- Safety device photoelectric
- Safety device magnetic
- Industrial Enclosures
- Control Enclosures
- Suspension systems
- Accessories

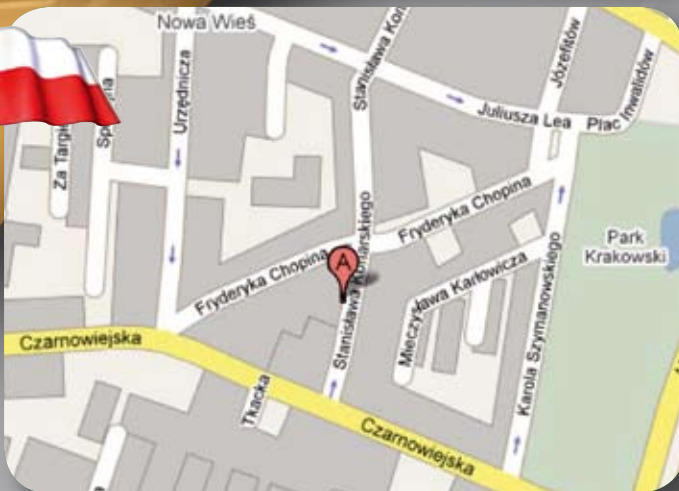


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