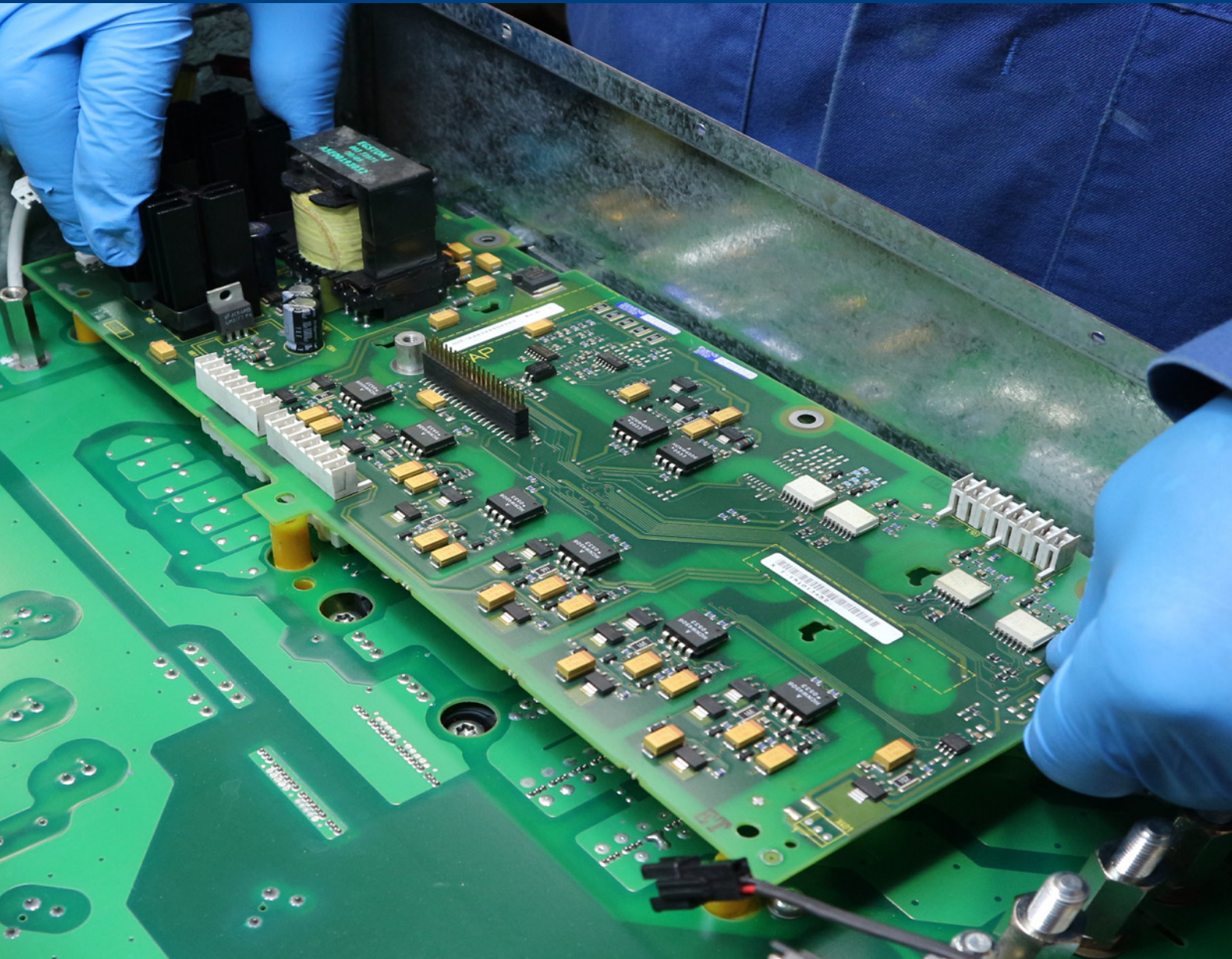


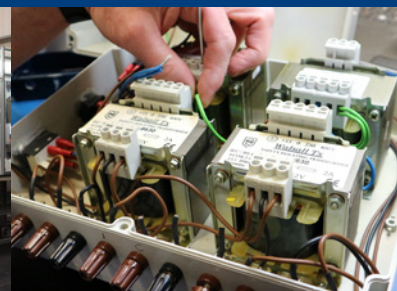
# Industrial Automation Repairs, Spares and Service



# Lektronix

A ROCKWELL AUTOMATION BUSINESS

CNCs • PLCs • Servo Drives • Servo Motors • Industrial PCs & HMIs • Robots  
PCBs • Motors & Encoders • Safety Equipment • Drives • Power Supplies



[www.lektronix.com](http://www.lektronix.com)

# Lektronix

A ROCKWELL AUTOMATION BUSINESS

## Third Party Repair and Spares Specialist

**Lektronix, a Rockwell Automation Business, is one of the world's leading providers of industrial, electronic and robotic automation repairs and spares.**

- ▶ Established in 2002
- ▶ Sites throughout the UK and Europe
- ▶ The backing of a \$5.6 billion global company
- ▶ Providing the very best in technical excellence and customer service from anywhere in the world
- ▶ We invest and continuously develop within the market
- ▶ Local and personal support for your business needs, whether you are a sole trader or a multinational company

## 200,000 Parts, One Solution

Lektronix is a complete solutions provider for all your industrial automation requirements so that all your needs are met under one roof. We repair and supply over 200,000 different parts from more than 7,000 different manufacturers. Whatever your problem, no matter how big or small, our dedicated sales and customer service team will provide a competitive and reliable solution.

### Repair Service

- ▶ Third Party Repair Service
- ▶ 12 months whole of unit repair warranty
- ▶ Extend the life of your assets
- ▶ Considerably cheaper than buying new
- ▶ Extensive testing facilities

### Lifecycle Extension and Migrations

- ▶ Pinpoint obsolescence risk
- ▶ Tools and lifecycle support service agreements to mitigate production risk
- ▶ Decrease your Mean-Time-To-Repair
- ▶ Increase production capacity

### Supply Service

- ▶ Vast stock of supply items
- ▶ Service exchange available
- ▶ Reduce downtime
- ▶ Cost effective
- ▶ Lektronix specialises in sourcing "hard to find" or obsolete parts

## Repair and Supply Capabilities

Our unrivalled reputation for repairing and supplying a vast category of products guarantees your requirements are met to a high standard. We are committed to getting our customers back up and running as quickly as possible.

CNCs



Servo Motors



Motors & Encoders



Robots



PCBs



Industrial PCs & HMIs



PLCs & Software



Safety Equipment



Drives



Servo Drives



Power Supplies



Other



For a free quotation or for more information, please contact Lektronix:

Call +48 328 890 331



## 15 reasons to work with Lektronix

### Excellent Customer Support

- ▶ Local representation
- ▶ Worldwide service
- ▶ Multi-lingual employees
- ▶ After hours support available
- ▶ Free repair collection by van service

### Exceptional Repair Services

- ▶ Extensive global repair centre, distributor and support networks
- ▶ On-site fault diagnosis and on-site engineers
- ▶ Emergency repair service available
- ▶ Automated state of the art, functional test facilities
- ▶ Service reports for a detailed diagnosis as to why the part failed, including "Root Cause" failure analysis.

### Efficient Services and Support

- ▶ Complete solution provider for all repairs and supply needs
- ▶ Wide range of stocked items
- ▶ Comprehensive multi-site support contracts available
- ▶ Free, no obligation quotations
- ▶ Significant savings against manufacturer prices

## How to place an order

For a fast and effective solution to your problem, speak to a member of the Lektronix team today for a free, no obligation quotation.



**Call:**  
+48 328 890 331



**Visit:**  
[www.lektronix.com](http://www.lektronix.com)



**Email:**  
[web.sales@lektronix.net](mailto:web.sales@lektronix.net)

## See inside our workshop



Take a virtual walk around our workshop facility and see for yourself all of our test fixtures.

**Virtual Tour**

## Stocked Parts

Need a part fast? With over 20,000 different parts in stock, we can get your part delivered to you without delay.



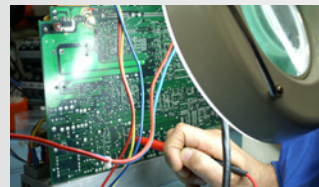
## Same Day Delivery Available

Lektronix has delivery options to suit all your needs. Ask about our Express Delivery service today.



## Guaranteed Reliability

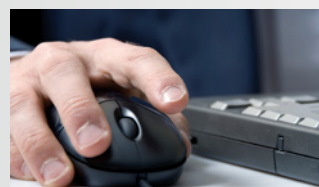
Our 12 month standard warranty on all repairs and spares provides you with the confidence you need to place an order with us.



## Online Job Tracking

Follow the progress and status of all your repair and supply jobs with our unique online job tracking system. All past and present job order details are available at the click of a button.

Register online for a Job Tracking account at [www.lektronix.com](http://www.lektronix.com)



## Quality Assurance

Our ISO 9001: 2015 quality certification helps ensure we deliver excellence as standard.





## Product Categories at Lektronix

**Our workshops are fully equipped to repair all makes and models of industrial automation components. We also stock a large selection of high quality spares from a range of product categories saving up to 50% against manufacturers' prices. If we don't have it, we will get it for you!**

### New Equipment

We have global partnerships with many leading manufacturers and suppliers which enables us to offer a wide range of new equipment at very competitive prices. All new equipment comes with the original manufacturers' warranty.

### Refurbished Equipment

We stock a huge range of refurbished equipment including "hard to find" or obsolete parts.

Our Service Exchange programme also offers customers a fast and competitive solution when you need parts now.

### Repair Service

The repair of electronics is our core business, therefore, unlike original equipment manufacturers, we invest all our skill and energy into providing a high-quality, cost-effective repair solution geared around the needs of our customers.

### PLCs

Lektronix understands the increasing reliance on PLC systems. We provide a service of high-quality, cost-effective repairs for an extensive range of products including: Interface Modules, Communication Modules, I/O Modules, Processors, Power Supplies and complete PLC racks.

Our extensive stock of PLCs covers a range of different manufacturers including Siemens S5, S7, ABB, GE Fanuc, GEM80, Omron and many more...



### Industrial PCs and HMIs

We diagnose and repair all makes of industrial PCs and machine programmers. Touch screens, LCDs, CRT monitors, and TFTs as well as peripheral devices such as operator keyboards and remote access panels.



### CRT Monitors

Why not upgrade your old CRT monitors with the Lektronix LCD upgrade programme.

Speak to our customer service team for a hassle free upgrade or to find out about our CRT repair service.

### Robots

The Lektronix state of the art Robot facility ensure your robots are 100% tested and returned in working order. We can repair and supply Kuka, Fanuc, ABB, Staubli and Motoman parts.

Trust Lektronix to get your robot up and running quickly and efficiently, whatever the problem.



**For a free quotation or for more information, please contact Lektronix:**

**Call +48 328 890 331**



## CNCs

Whether it's simply diagnostics and memory backups to preventive maintenance and servicing or complete system repair, Lektronix will repair your CNC quickly and efficiently.



## AC Drives and DC Drives

Our established inverter team routinely repairs AC variable speed Drives from 0.37kw up to 500kw and above. We also repair DC Drives from 0.5kw to over 300kw.

We have the capabilities to repair all types of industrial drives including:

- AC Drives
- DC Drives
- Servo Drives
- Spindle Drives
- Stepper Drives



## Servo Drives

Our diligent drive team can repair an extensive range of drives, whether they are old, new or obsolete including Siemens OEM, Indramat, Bosch, Fanuc, Baumuller and many more.

## Encoders

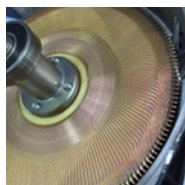
Whether you have a linear, absolute or incremental encoder, we can solve your problem regardless of the age, model or make of your unit.



## Motors

Lektronix truly understands how Servo Motors interface with Machine Tool Servo Systems. We repair and supply a wide range of Motors including:

- AC Motors
- DC Motors
- Servo Motors
- Stepper Motors
- Slip Ring Motors
- Spindle Motors

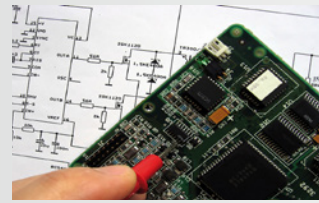


## Upgrade with Confidence

If a repair or replacement is not commercially viable based on the age of the equipment, Lektronix can provide on-site upgrades on current technical equipment. Learn more about Conversions on page 9.

## General Electronics

Light guards, sensors, flame failure units, ultrasonic equipment, telecom, industrial standard modems and many more...



## Process Control Instruments

All makes of instruments repaired and recalibrated. Temperature, pressure, flow, humidity level etc... are all fully tested.



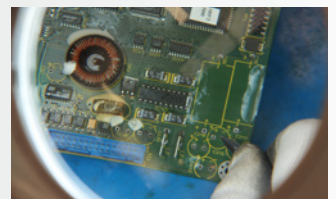
## Test Instrumentation / Calibration

Multimeters, oscilloscopes, function generators, meggers, tachometers and much more...



## PCBs

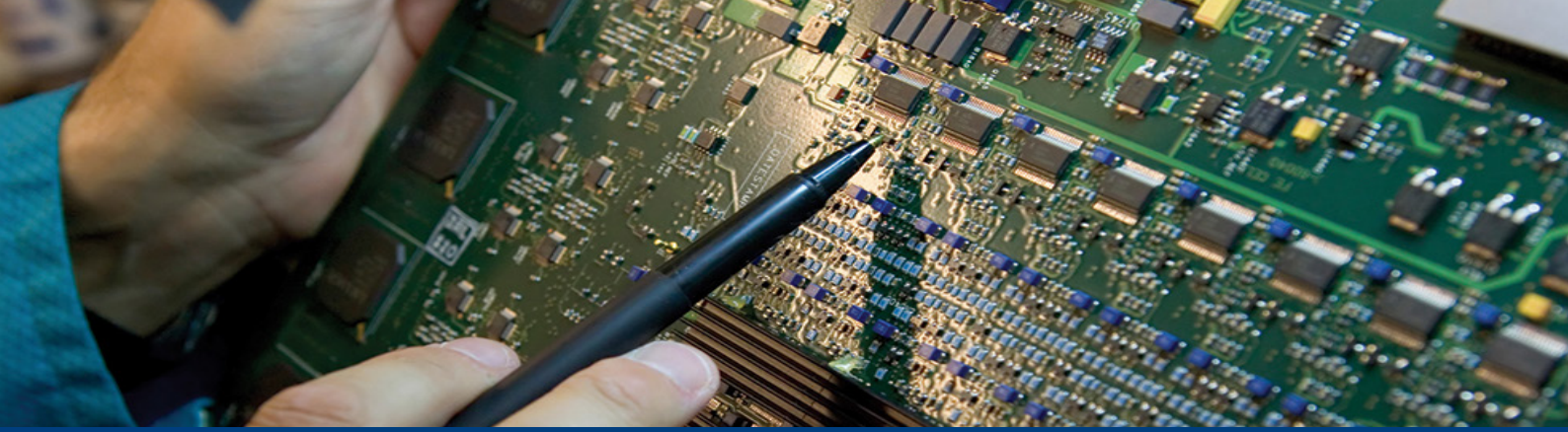
Our experienced engineers have tried and tested methods to repair your PCB. We can reverse engineer your PCB and check the functionality of your components. We repair PCBs that are single sided, double sided and multilayer. With the latest rework equipment we cater for through hole and surface mount technologies.



## PSUs

We have the skills and experience to resolve your problem whether your unit is a switch mode, linear, regenerative, single output, multi-rail, uninterruptible or a phase sensitive power supply. Whether your item is old or new, we can load test via a dynamic loading system to guarantee your PSU is working.





## Third Party Repair Service

**Lektronix specialises in the repair of electronics, robotics and motors. We have invested over £1 million to ensure the workshops and testing facilities are equipped with the latest technology and experienced engineers to meet our customers needs.**

Trust Lektronix to repair your faulty equipment.

### Lektronix Repair Process

Lektronix follows a rigorous and thorough repair procedure to ensure your equipment is repaired to a high standard and returned to you as soon as possible.

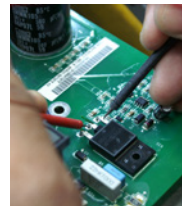
#### The repair procedure is as follows:

- STEP 1** Collection of the item to be repaired from your premises.
- STEP 2** Thorough cleaning of equipment to remove any possible contamination.
- STEP 3** Diagnostic testing to locate defective components (the entire unit is checked even if the problem is identified during the early stages).
- STEP 4** Circuit analysis on all electronic products to isolate marginal components.
- STEP 5** Replacement of defective and marginal components with parts that meet or exceed original specifications.
- STEP 6** Verification of total circuit board quality using state-of-the-art automated testing equipment.
- STEP 7** Packing and shipping of repaired equipment. Repaired equipment is protected by a **FULL 12-month warranty covering the entire unit, not just the repaired components.**

#### Repair Lead Times

**Standard Repair:**  
10 working days\*

**Emergency Repair:**  
Within 3 working days\*  
\*Subject to parts and availability



We aim to exceed the standard repair lead time. On average, standard repairs take 5-7 days from receipt of your order number.

#### Free Repair Collection and Evaluation Service

Lektronix offers a free repair collection service. We will pick up your faulty part from your work and deliver it back to you. We can even arrange same day collections!

Leave the hard work to us, so you can carry on with your work!





# Made by anyone, repaired by us.

## The Benefits of Repairing with Lektronix

### Maximise Productivity

- ▶ Increase Mean Time Between Failure through repair quality and services of the entire unit
- ▶ Extend your machine life by servicing your obsolete units
- ▶ Improve equipment reliability
- ▶ Check and test service available

### Improve Financial Performance

- ▶ Cost effective / Reduce operation costs
- ▶ Reduce downtime
- ▶ Standard fixed pricing
- ▶ Significant savings against manufacturer prices

### Excellent Customer Service

- ▶ 12 Month Warranty on repairs
- ▶ Emergency service available
- ▶ On-Site fault diagnosis
- ▶ Resale and service exchange stock
- ▶ Full function testing
- ▶ Fast turnaround

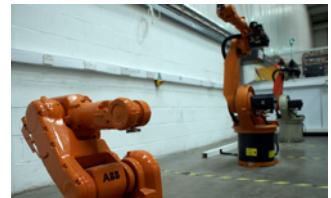
## State of the Art Workshop

Our workshops and engineers are highly skilled and equipped to deal with a broad range of products from PLCs, Robots and HMIs to AC and DC Servo Motors from all the leading manufacturers.



## Robot Facility

Our purpose built Robot facility is equipped with a huge range of robotic controllers from all the leading manufacturers including: Kuka, Fanuc, ABB, Staubli and Motoman.



## Custom Built Test Rigs

At Lektronix, we have a huge array of custom built test rigs to fully functionally test your equipment including CNCs, PLCs, Drives, Servo Drives, HMIs, PCBs and Motors from all the leading manufacturers including Siemens, Fanuc, Indramat, Kuka and many more...

Learn more about our Test Rigs on page 10.

## Motor Department

Lektronix has a dedicated ever expanding Motor workshop. This workshop includes an in-house machinist so we can offer complete machining and motor repair service along with balancing, rewinds and re-banding.

Our specialists are here to get your motor up and running again, whatever the size, power or application as quickly as possible.

At Lektronix, we provide electric repairs, maintenance and overhauls for all types of motor in a wide range of sectors and industries.

- Machine shop services
- Small Gearbox rebuilding and overhaul
- Rewinds
- Re-banding
- Pump repair
- AC & DC Motor
- Dynamic Balancing
- Test Equipment that enables alignment of feedback devices such as encoders and resolvers



# Industry Solutions from Lektronix

Lektronix has the knowledge and expertise to work across a broad range of industries. We are able to provide industrial solutions through the right technical experience and superior customer support.



**Automotive**



**Life Science**



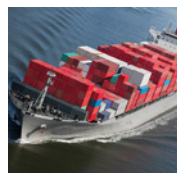
**Power Generation**



**Food & Beverage**



**Chemicals**



**Marine**



**Infrastructure**



**Entertainment**



**Oil & Gas**

- ▶ Breweries
- ▶ Forging / Casting
- ▶ Plastic / Moulding
- ▶ Wood / Laminating
- ▶ Process
- ▶ Bottling / Glass
- ▶ Household & Personal Care
- ▶ Wind Turbine
- ▶ Post / Mail
- ▶ IT Equipment
- ▶ Harbour / Docks
- ▶ Machine Tool OEMs
- ▶ OEM
- ▶ CNC Service Providers
- ▶ Military / Defence
- ▶ Electrical, Semiconductor and Electronics
- ▶ Agriculture
- ▶ Cranes
- ▶ Print & Publishing
- ▶ Prisons
- ▶ Large Football Stadiums
- ▶ Cinema Projector Rooms (Large Modern)
- ▶ Packaging
- ▶ Bearing Manufacturers
- ▶ Metals
- ▶ Fibre & Textiles, Pulp & Paper
- ▶ Mining, Minerals & Cement
- ▶ Tyre & Rubber
- ▶ Water & Wastewater

## Lektronix Remanufacturing

Increase your productivity by remanufacturing your equipment. A Lektronix remanufactured product brings about the following benefits.

- ▶ Replacement of inoperative / aged parts with Original Equipment Manufacturer specified components
- ▶ Firmware upgraded to highest revision available
- ▶ Functional / load testing
- ▶ Unit fully cleaned and damaged case parts replaced
- ▶ Extend equipment life
- ▶ Improve Business Margins
- ▶ Increased equipment resale value
- ▶ Increased sustainability

Contact us today to see how we can help remanufacture your Allen-Bradley equipment.





# Lektronix Conversion Services

## Upgrade with Confidence

**In today's highly sophisticated manufacturing facilities, automation and control systems play an integral role in mission-critical plant operations. As automation equipment becomes older and less reliable, it is likely to affect your productivity levels.**

With conversion services from Lektronix, you can leverage our extensive automation experience and receive a complete upgrade solution including, hardware, software and start-up services.

## Benefits of Conversion

- ▶ Faster processing
- ▶ Improved manufacturing quality
- ▶ Latest fully supported products
- ▶ Reduced unplanned downtime
- ▶ Energy efficiency
- ▶ Available spares
- ▶ Decreased long term costs
- ▶ Increased confidence and functionality of your machine

## Migrate to newer faster technology to improve productivity and achieve business goals

### Drives

Convert your older Rockwell Automation® or Third Party Drives and any associated PLC communication to the latest Allen-Bradley® PowerFlex® family of Drives with minimal hassle.

Consider upgrading the following families of Drives:

- ▶ B160
- ▶ 1334
- ▶ 1305
- ▶ 1333
- ▶ 1336



## Implementing Your Conversion Project:

### Consultation

Our proposal engineers work closely with you to create an accurate scope of supply to meet your needs.



### Project Leadership

A project leader is assigned to coordinate all project activities and be a primary contact for you during the conversion.



### Engineering

Our specialist engineers use industry best practice techniques to convert your application and carry out functional tests prior to start-ups.



### Start-up & Acceptance

After the conversion is complete, our engineers, working closely with your plant personnel, will perform start-up and commissioning to ensure operational compliance.

## Third Party Conversions

Lektronix can convert your Third Party Drives, PLCs, HMIs and SCADA to the latest Rockwell Automation products. We can provide upgrades on the following brands:

- ▶ ABB
- ▶ Control Techniques
- ▶ Danfoss
- ▶ Eurotherm
- ▶ GEC
- ▶ Telemecanique
- ▶ Honeywell
- ▶ Indramat
- ▶ Mitsubishi
- ▶ Modicon
- ▶ Omron
- ▶ Siemens
- ▶ Square D
- ▶ GE Fanuc
- ▶ Texas
- ▶ Toshiba

Our conversion services are virtually unmatched in the industry.

**Contact us today for the full range of manufacturers we can convert.**



## Test Rig Facilities

Lektronix has the most comprehensive testing facilities in the industry. We are continuously developing new test rigs and even adapt and build new test rigs to meet the specific needs of our customer.

### Siemens PLC Test Rigs

S7-300, S7-400, All S5 ranges, Mobile Panels, 115U, 100U, 95U, 135U.



### Siemens CNC Test Rigs

840D, 840Di, 810D, 840C, 802Di, 802D, 880, 805, System 3, System 8ME, System 8MC, 810 GA1, 810 GA3, Acromatic A2100.



### Modicon PLC Test Rigs

Modicon TSX, TSX Micro, 984, 984-Slot, 884, 584, 684, 484, Quantum.



### Fanuc CNC Test Rigs

0, 3, 10, 11, 12, 15, 16, 18, 21, 21i and 31i Series.



### Other Test Rigs

Deto-Lenze SCU Deto Boxes, Duplomatic, Fanuc, Alfa Laval, Indramat, Ishida, Wedeco and many more...



### Indramat & Siemens Drive Test Rigs

Indramat - TDM, TVM, DDS, HVE, HDS.  
Siemens - 611D, 611A, 6RA22, 610.



### Kuka Robot Test Rigs

KRC2: KSD1-08, KSD1-16, KSD1-32, KSD1-48.  
KRC1: PM6-600, PM1-600/61.  
KRC32: RC 30/51c: PS30/13I, 3PS15/671.  
KRC32: RC 30/52: PSC 15/45, PSC 4/20-2/8, PSC 2/8-2/8.



### Other PLC Test Rigs

GEM 80 Series, Honeywell IPC 620, Toshiba Ex Series, Square D Syimax Series, Texas Instruments, Mitsubishi, GE Fanuc Series 5, 1, 6, 90-70, 90-30, Omron, Telemecanique TSX 17-2 and many more...



For a free quotation or for more information, please contact Lektronix:

Call +48 328 890 331



## Third Party Manufacturers

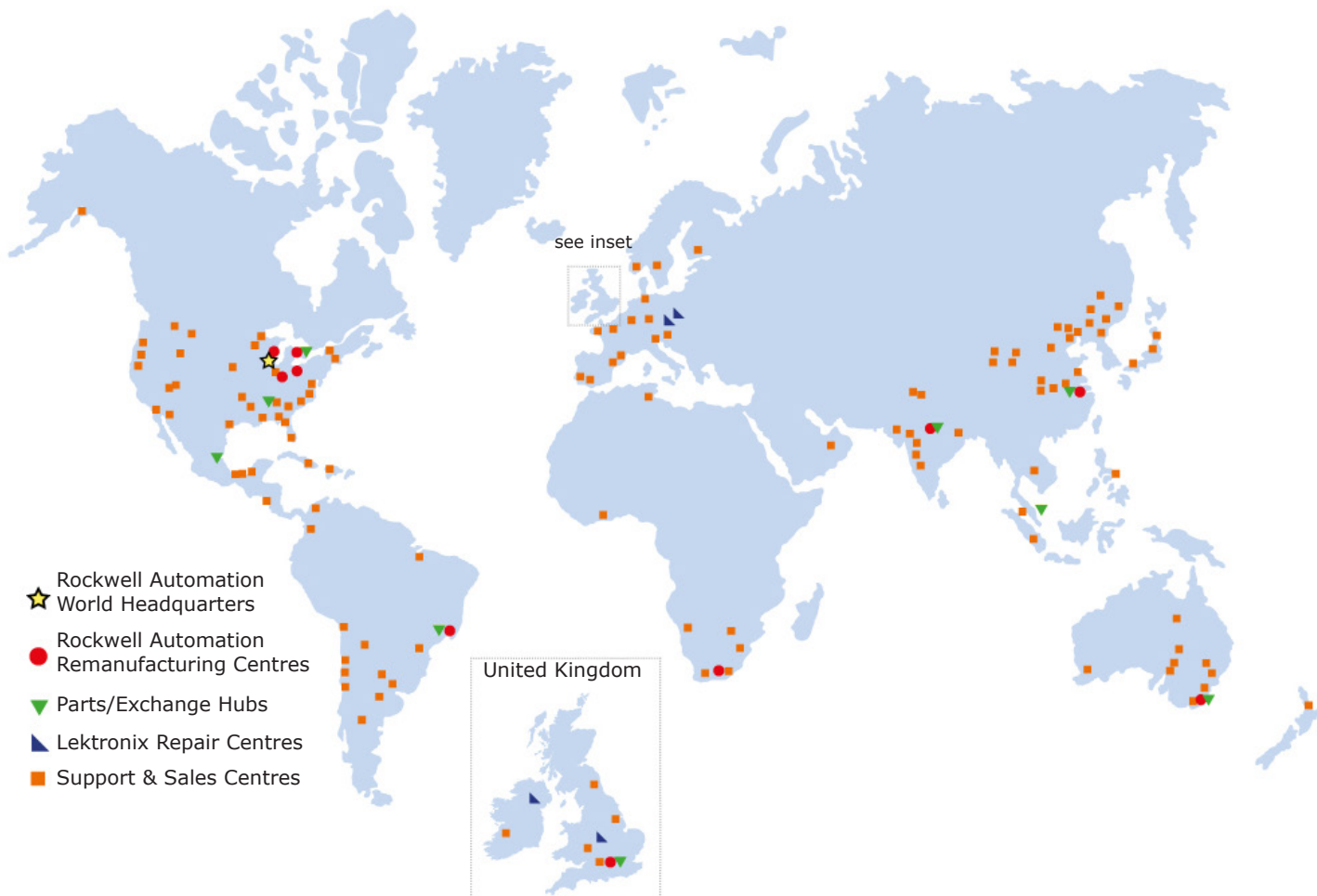
**Lektronix repairs and sells over 7,000 different manufacturers' products. We can provide a solution for all your industrial automation requirements.**

ABB	Engel	Lambda	Ropex
Addison McKee	Engelmann and	Lauer	Rosemount
Advantech	Bukham	Leister	Rotork
AEG	Erskine	Lenze	Saftronics
Alfa Laval	ESA Elettronica	Leroy Somer	SAIA
Allen-Bradley	Eurotherm	Leuze Electronic	Samsung
Alstom	Fagor	Liebherr	Sanyo
Amada	Farnell	Logic	Sanyo Denki
AMK	Ferag	Logica	SattControl
APC	Ferrocontrol	Loma Engineering	SBC Elettronica
Arburg	Festo	Lust	Scharmann
Aros Electronics	Fife	Machine Vision Strobe	Schenck
Asea	Fluke	Magnetek	Schleicher
Astec	Fuji	Mannesmann Rexroth	Schneider Electric
Atlas Copco	GE Fanuc	Markem	Schroff
Atos	GEC	Marposs	Seidel
B&R	Gefran	Mavilor	SEM
Bachmann	GEM 80	Maxon	Sepro
Baldor	General Electric	Mettler Toledo	SEW
Balluff	Gossen	MGV	Sharp
Barber Colman	Gould	Microvitec	Sick
Barmag Electronic	Grundfos	Milltronics	Siei
Battenfeld	Haas	Minarik Corp	Siemens
Baumüller	Handtmann	Mitsubishi	Sigmatek
Bautz	Hauni	Modicon	Socapel
BBC	Hauser	Moeller	Sony
Beckhoff	Heidelberg	Mondial Electronic	Spectus
Beijer Electronics	Heidenhain	Moog	Spirax Sarco
Berger Lahr	Hengstler	Motan	Sprint
Bizerba	Hewlett Packard	Motoman	Square D
Bobst Electronic	Hitachi	MTS	SSD Drives
Bosch	Hoerbiger	Multivac	Star
Brush	Honeywell	Muratec	Stegmann
Buhler	Husky	NEC	Stober
Bulgin Power Source	Hypertherm	Nedap	Systeme Lauer
Bystronic	IMO	NEI	Tasc
Cegelec	Indramat	Nemic-Lambda	TCS
Cincinnati Milacron	Infranor	Nord	Telemecanique
Contraves	IRT	Nordac	Texas Instruments
Control Techniques	Ishida	Nordson	Toshiba
Cosel	ITT Industries	Norwin	Trojan
Coutant Lambda	Jetter	Okuma	Veab
Cutler-Hammer	Johnson Controls	Omron	Vero Electronics
Danaher Motion	Jumo	Osai	Vexta
Danfoss	Jungheinrich	Pacific Scientific	Vickers
Datalogic	KB Electronics	Panasonic	VIPA
Dell	KEB	Parker	Visteon
Delta	Keba	Parvex	Warner Electric
Demag	Keyence	Philips	Watlow
Digiplan	Kingshill	Phoenix Contact	Wedeco AG
DME	Klockner-Moeller	Pilz	Weidmuller
Double D	KME	Plastomatic	Weir
Duplomatic	Kollmorgen	PMA	West
EEI	Kone	Proface	Westinghouse
Elau	Koyo	Protech	Wittmann
Elba	Kraussmaffe	Puls	Wyse
Electro-Craft	Krones	Quality Tools	Xycom
Elettronica Santerno	KTK	Red Lion	Yamabishi
ELO	KTM	Reliance Electric	Yamato
Emerson	Kuhnke	REO Elektronik	Yaskawa
Emhart Glass	Kuka	Rexroth	Yokogawa
			Yudo

**For a full range of manufacturers visit [www.lektronix.com](http://www.lektronix.com) or speak to our Customer Service team.**

# Worldwide Third Party Repair and Supply Service

Lektronix, a Rockwell Automation Business, is a worldwide repair and supply company with facilities all over the world. Wherever you are in the world, we can provide you with a solution to get you back up and running.



Contact your local branch today



## Poland

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Poland

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Visit [www.lektronix.com](http://www.lektronix.com)  
for our product range



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Publication GMSA-International-EN-P - Sept 2023

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