



Industrie-Elektronik

QUALITY MAKES THE DIFFERENCE



Repair



Sales



Service

Electronics for **CNC, PLC & ROBOTS** and **renewable energies**

www.bvs-cnc.com



Rexroth
Bosch Group

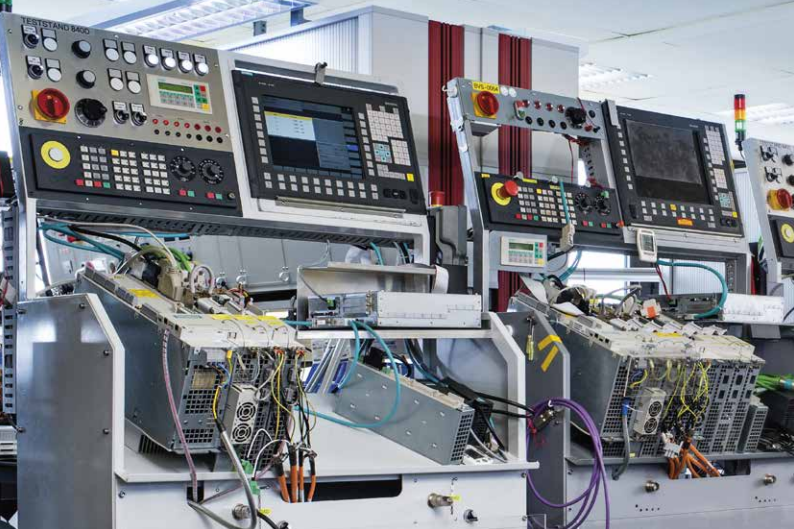
Service Point

Lenze

Performance Partner Distribution

SEW
EURODRIVE

Service Partner















BVS Industrie-Elektronik

Quality makes the difference

Since 1987 we have been providing maintenance services for current and discontinued **CNC, PLC and ROBOT automation technology** and electronics for **renewable energies**. In the field of industrial electronics we provide you with services for the following manufacturers:



Our range of services includes:

Repair	Sales	Service
 Product reconditioning	 Exchange - Fully reconditioned	 Purchase & disassembly
 ECOFIT preventive overhaul packages	 Replacement parts - Fully reconditioned	 Machinery & plant analysis
 Cleaning & inspection	 New parts	 On-site service
 Optional emergency repairs	 unipo® In-house HMI/IPC solutions	 Free technical service hotline



As a medium-sized, family-run company that is both traditional and at the same time highly innovative, we know that **quality**, a strong **price-performance ratio**, **speed** and **availability** are the keys to our continued success.

We currently have over 10,000 satisfied customers, including companies from all sectors and of all sizes. In addition, we are certified to **DIN EN ISO 9001:2015** and **DIN EN ISO 14001:2015**. When it comes to product overhaul repairs we work strictly according to the currently valid **Machinery Directive 2006/42/EC** and offer at least an **24-month warranty*** on our range of products and services. With well over **100,000 assemblies** – in stock at our premises – we also offer impressive availability on a range of manufacturers.

We are proud to be the only company worldwide from the electronics maintenance industry to bear the status of **“Bosch Rexroth Group Service Point”**. Through our close partnership with Bosch Rexroth and many other control and drive manufacturers, we are able to offer products and services in the same quality as the manufacturers themselves, but at the price point of a third-party supplier.

As part of our **24/7 emergency service**, we deliver new and reconditioned assemblies by express courier 24 hours a day, 365 days a year.

For all these reasons, we are looking forward to a successful future and are following our motto:

“Quality makes the difference”

Florian Bätz
Managing Director

Emil Bätz
Managing Director

Overview of Siemens products



CONTROLLERS



SINUMERIK

840D sl/Di sl, 840D/Di, 840C, 840/850/880, 828D, 810D, 810/820, 808D, 805, 802S/C/D sl, FM-NC, System 3, System 8, System 7

DRIVE TECHNOLOGY



SIMODRIVE

611-D, 611, 610, 650/660/690, 210/6RB20/6RB21/6RB26/6RB29, 6RA25/26/27

SINAMICS

S120, S110/S150/S210, G110/G110M/G110D, G120D/C/P/G120P Cabinet, G130, G150, G180, V20/V50/V90/DCM/DCP, 6RA80/DCM DC Converters

SIMOVERT

Masterdrives VC/MC/SC/FC, Micromaster 4/410/420/430/440, Micromaster 3 / P / Midimaster

SIMOREG

SIMOREG 6RA21/22/23/24/26/40/70

PLC



SIMATIC PLC

S7, S5 / Siplus ET200, Logo / Siplus Logo, WF / WS / Siwarex

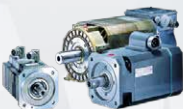
HMI



SIMATIC HMI

Panels, Panel PCs/IPCs/ Box PCs/ Rack PCs/Pg's, Simatic C7, Siplus C7

MOTORS



MOTORS

Synchronous servo motors, asynchronous motors, DC servo motors, Simodrive Posmo positioning motors, low voltage motors, encoders & other Motors

CABLES



CABLES

Power cables, signal cables

FREQUENCY CONVERTERS



FREQUENCY CONVERTERS

In addition to the brands in our BVS portfolio, we also support a wide range of the most well-known manufacturers.

Overview of products from additional manufacturers

FANUC

CNC controllers, drives, motors & encoders, robotics, cables, spare parts & accessories



FANUC

BOSCH REXROTH / INDRAMAT

Anax, DiAx01/02/03/04, Ecodrive, Indradrive, Indracontrol, Servodyn-D/-L/-T, control & programming units, cables, software & firmware, miscellaneous



BOSCH REXROTH INDRAMAT

UNIPO

Monitors (UFP3, UFT500), operator panels (UCP5/250/500/550/1500), display replacement (UFD), industrial monitors (UFL)



UNIPO

KUKA

Handheld control panels KCP1/2/4, robot systems KRC1/2/4, motors, cables



KUKA

ABB

Robot handheld control panels and systems for the series S4/S4+/S4C+, S4P/S4P+, IRC5/IRC5C, IRC5P, drives, IPCs, power supplies, motors, cables etc.



ABB

SEW

Movidrive, Movitrac, Movidyn, Moviaxis, Movimot, motors etc.



SEW

LENZE

Inverter 8200 - 8220, inverter 8400, inverter 9220 - 9300, function & communication modules, speed controllers / DC converters, motors



LENZE

HELLER

Power modules, controllers, input and output cards, control panels, miscellaneous



HELLER

HEIDENHAIN

Length measurement systems, encoders, frequency inverters, TNC controllers, monitors / replacement solutions



HEIDENHAIN

PV INVERTERS

We offer product overhauling repairs as well as cleaning & inspection for inverters from all well-known manufacturers.



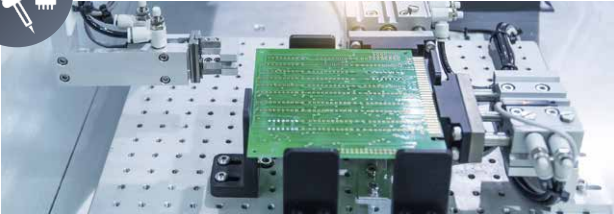
RENEWABLE ENERGIES

REPAIR

Our services at a glance



PRODUCT RECONDITIONING



For us, a repair always includes a **complete product refurbishment**. This means that we will not just replace the faulty components but, as a preventive measure, we will also replace those components that are likely to wear or fail based on the experience we have gained since 1987. Our **DIN EN ISO 9001:2015** and **DIN EN ISO 14001:2015** certification and compliance of our **repairs** with the **EC Machinery Directive 2006/42/EC** mean that we can guarantee the long-

term **quality** of the repaired assemblies by only using new and approved parts and components.

During our repairs, we carry out **functional and load tests**, including on original test stands. And with **at least an 24-month warranty*** on repairs as well as exchange and replacement assemblies, our **promise of quality** goes far beyond the industry standard.



ECOFIT



With our **ECOFIT service**, your entire industrial electronics will either be replaced by us directly at your site or **overhauled** by our repair team as part of a planned shutdown. Afterwards, your machine will be put back into service – if necessary also by one of our service technicians. This will not only

considerably **extend the service life** of your industrial electronics and you benefit from the excellent availability of your system, usually an average ECOFIT also only costs approx. 10 % of a retrofit. Additionally you will receive our usual **24-month warranty*** on the complete assembly that we have repaired.



OPTIONAL EMERGENCY REPAIRS



If you need to resolve a problem quickly and are reliant on a **working assembly**, we can offer you this additional service as part of our general overhaul repair service. As part of our **express repair service**, which is completed to the exact same **quality standards** as a general overhaul repair by our experienced technicians, you will receive your fully functional assembly back within a few

days. During our internal repair process, your assembly will always be prioritised.

This service is available for all **manufacturer-independent products** in our **portfolio** for a small surcharge. This will ensure that a possible machine breakdown does not have a significant impact and you can restart production as soon as possible.



CLEANING & INSPECTION



Are you really sure if your stockpiled **electronic assemblies** are still functional? Many people would rather not accept the fact that unused electronic components are also subjected to age-related wear and tear. This is why we offer our customers a **cost-effective**

cleaning and inspection service for CNC, PLC and ROBOT assemblies and PV inverters. Within the scope of **preventive maintenance**, we also offer inspections of control and drive assemblies for complete machines and systems.

SALES

Our services at a glance



EXCHANGE



For customers who need a working assembly quickly but are not willing to pay the price for a replacement part, we offer exchange assemblies as a solution. You can order assemblies **around the clock** from over **100,000 assemblies** in our extensive warehouse. Subsequently, return your defective assembly to BVS with a fault description within eight

days as an exchanged item and **save up to 50 %** against the replacement part price. Every exchange assembly in our warehouse has been **reconditioned in accordance** with the **Machinery Directive**. For this reason, we offer at least an **24-month warranty*** on our reconditioned exchange assemblies.



REPLACEMENT PARTS



In our **replacement parts warehouse**, we permanently stock more than 100,000 replacement assemblies which are available to you **around the clock**. We are thus able to offer impressive **availability for all manufacturers** for both discontinued, legacy and current assemblies. Thanks to the **preventive**

measures implemented as part of our general overhaul and the comprehensive **function and load tests**, we not only provide you with an **24-month warranty*** on the complete assembly but can also guarantee that the repair is in compliance with the Machinery Directive as per **2006/42/EC**.



IN-HOUSE HMI/IPC SOLUTIONS



With the **UNIPO®** brand, we have more than 40 years' experience in the field of our in-house **HMI/IPC solutions**. These solutions provide our customers with a number of benefits, such as **service and support throughout the product life cycle with absolutely no discontinuations**. In addition, our proprietary solutions are more **durable**

and scalable than many of the originals they replace, for example, due to our use of metal housings and modular electronic and mechanical designs. Existing HMI/IPC applications can be **quickly and easily** replaced with our own solutions without adapting the controller.



NEW PARTS



Our large **inventory**, that also includes new parts, and our close collaboration with manufacturers enable us to react quickly. Our product range includes new parts from all leading manufacturers, such as **Siemens, unipo®, Fanuc, Bosch Rexroth/Indramat, Heller, Heidenhain, SEW, Lenze, Kuka and ABB**. We offer attractive conditions at prices below those of the manufacturers.

Of course, you will receive a **24-month warranty*** on new parts. You will also find **legacy** and **discontinued** assemblies that are available as **new products** in our range. Many of them can also be exchanged for faulty assemblies, thus saving you money. Furthermore, your machine is instantly ready for operation again.

SERVICE

Our services at a glance



PURCHASE & DISASSEMBLY



Are you looking for a simple and profitable way of recycling your CNC, PLC and ROBOTIC assemblies, all-in-one systems and controllers, as well as PV inverters?

If you have modernised or converted your machine park and are looking for a way to **utilise** your surplus assemblies, BVS Industrie-Elektronik is the right partner for you. We'll **purchase** your

assemblies, controllers and **all-in-one systems** that you no longer require – regardless of whether they are functioning or faulty. In addition to standard **purchases on account**, we can alternatively provide you with a **repair voucher**, which you can redeem with your subsequent orders. Should we be unable to use your assemblies, we will dispose of them for you, free of charge.



MACHINERY & PLANT ANALYSIS



The **machinery** and **plant analysis** is the first step towards fully comprehensive **obsolescence management**. Alongside the detailed list of all the electronic assemblies installed in your machines and systems, you will also receive an **inventory log** of

your current stock levels. This inventory log can easily be conducted during ongoing production and does not have a negative impact. Using **software we developed** ourselves, we will also show you how we can help you in other ways with our **support services**.



ON-SITE SERVICE



If necessary, we can provide you with our **qualified and experienced service technicians**. As well as assisting with **troubleshooting CNC machine tools, PLC systems or ROBOTS**, they are also able to immediately **replace** defective assemblies using a wide range of equipment and put your system or machine **back into operation** without

delay. Additionally, we offer **machinery & plant analysis** and the **forming** of your stored assemblies on-site, so that they are always ready to use. This will significantly **reduce costs relating to machine breakdowns** and any **subsequent costs**. We also offer this on-site service for our own HMI/IPC solutions, sold under the **unipo®** brand.



FREE TECHNICAL SERVICE HOTLINE



Has your machine broken down and you don't know what the problem is? If so, you can use our **free technical service hotline**. Our experienced technicians will generally be able to help you to immediately **identify** or

even resolve the **error** over the phone. If this preliminary diagnosis does not help and the source of the error cannot be properly identified over the phone, we'll send a **service technician** to your site on request.

The BVS benefits at a glance.

You benefit from:

✓ BVS REPAIRS / PRODUCT RECONDITIONING

- Product overhaul repairs
- Repair & replacement even for discontinued assemblies
- Replacement of all components that have been identified as weak points
- Optional express repair
- Project-based preventive reconditioning packages for machines (ECOFIT)
- Washing & cleaning of each assembly before repair
- Preventive replacement of all components subject to ageing or severe wear
- Functional and load tests on original test stands
- Exclusive use of new components authorised by the manufacturer or the legislator for repairs

✓ BVS SERVICE

- 24/7 hotline
- Long-term supply analyses and concepts
- Very attractive prices
- Free technical hotline
- On-site servicing and forming
- All from one source

✓ AVAILABILITY

- Replacement parts warehouse with over 100,000 assemblies
- 24/7 courier service
- Various shipping options
- Customized HMI/IPC solutions from our own brand unipo®
- Express air freight

✓ QUALITY

- 24-month warranty* on the complete assembly
- Certified to DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015
- Extensive technical knowledge and state-of-the-art diagnostic systems
- Full documentation

A partner to industry

Full service philosophy

From internationally renowned corporations and world market leaders to smaller, relatively unknown companies. Our philosophy of unconditional quality means we now have over 10,000 satisfied customers from the following sectors/industries:

- Automation
- Automotive
- Construction machinery
- Chemicals
- Electronics
- Energy
- Food and consumer goods
- Agricultural and forestry machinery
- Logistics
- Aviation
- Mechanical and plant engineering
- Metal processing
- Measurement technology
- Pharmaceutical

An extract from our reference list



...and many more!

Over 100 test systems

With over 100 test systems, we cover an extensive range of products from the following manufacturers:

**SIEMENS | BOSCH REXROTH / INDRAMAT | FANUC | ABB
HEIDENHAIN | HELLER | SEW | LENZE | KUKA | UNIPO**



Rexroth
Bosch Group

Service Point

Lenze

Performance Partner Distribution

SEW
EURODRIVE

Service Partner

Proven quality instead of improvised risk.



Our quality management is not only an important building block that ensures our **compliance** with the **safety guidelines** for each and every repair, it also increases customer satisfaction on a long-term basis. We generally measure ourselves against the manufacturer's quality standards here. Due to the health and safety requirements of the **Machinery Directive 2006/42/EC**, we exclusively use **original components** approved by the manufacturer or legislator for our repairs. Components discontinued by the manufacturer or that are no longer available are analysed within the reverse engineering process and replaced by currently available technology.

In addition, our internal testing lab always works in strict adherence with **ISO TS16949 / VDA 6.4**. For example, with our high standards we ensure receipt of the type examination certificate, the **CE standard** and much more, which lets us guarantee the validity of your operating licence after every repair.

We are certified to DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015.

In addition to our high-quality repairs in accordance with the **Machinery Directive 2006/42/EC**, our entire company also meets the requirements of the **DIN EN ISO 9001:2015** quality guidelines as well as the environmental management standard **DIN EN ISO 14001:2015**. The certifications pertain to all products and services offered under the BVS brand. On this basis, we will continue to develop additional innovative services and programmes for you in the future.





Industrie-Elektronik

QUALITY MAKES THE DIFFERENCE

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