

UNIS

GROUP

**QUALITY
/N REPAIR**

General

The company (2015)

- ❑ UNIS Group was founded in 1984
- ❑ Head office in The Netherlands
- ❑ Subsidiaries in Brazil, China, France, Germany (3), Hungary, Italy, Poland, Romania and Spain.
- ❑ 200 employees
- ❑ 10250 customers worldwide



QUALITY
IN REPAIR



General

The company



**QUALITY
IN REPAIR**



General

ISO 9001-2008, ISO 14001 & OHSAS 18001



QUALITY
IN REPAIR



QualityMasters

CERTIFIED



Quality

QualityMasters

CERTIFIED



Environment

QualityMasters

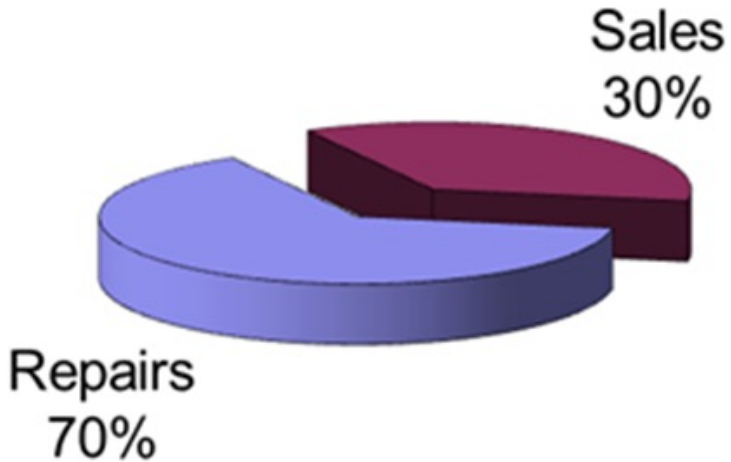
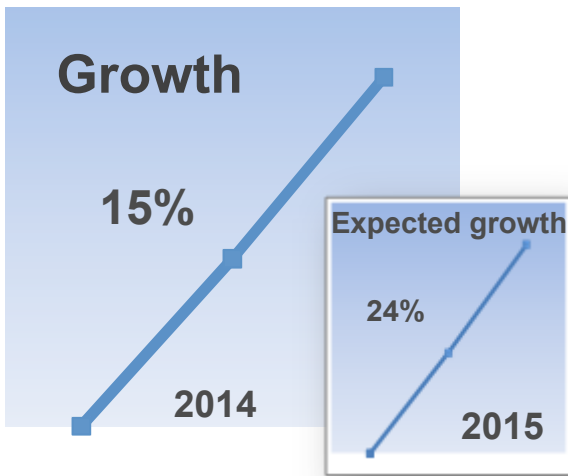
CERTIFIED



Safety

General

2014



- 35.000 Repairs
- 9.100 Sales



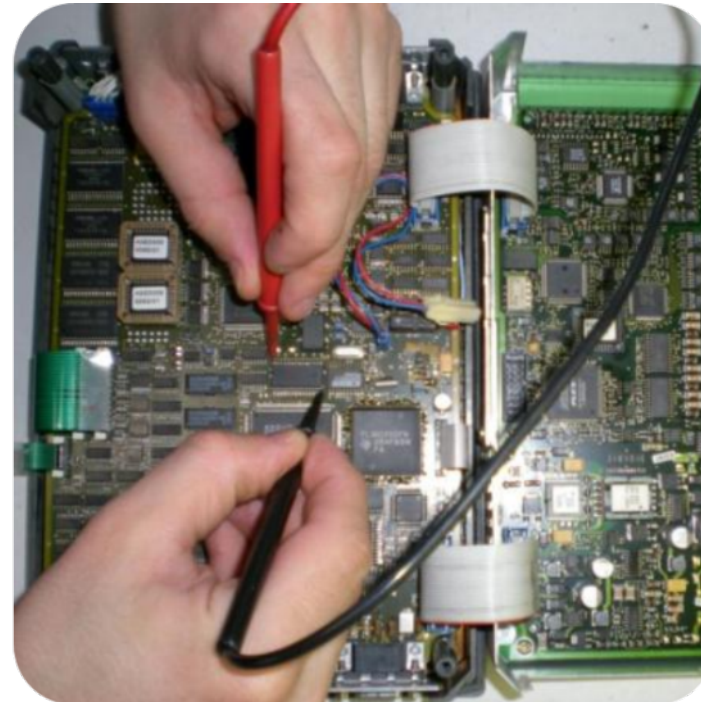
**QUALITY
IN REPAIR**



General

UNIS Services

- ❑ Repair
- ❑ Preventative maintenance
- ❑ Professional cleaning
- ❑ Testing
- ❑ Coating
- ❑ Sales of spares
- ❑ Exchange
- ❑ Service contracts



**QUALITY
IN REPAIR**



General

Brand independent repairs

SIEMENS OMRON PHILIPS STÄUBLI

PHOENIX CONTACT Indramat Allen-Bradley LAUER
A Beijer Electronics Group Company

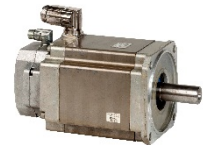
SEW EURODRIVE NORD Danfoss adept Telemecanique

MITSUBISHI ELECTRONICS Lenze FANUC KUKA ABB

And more...



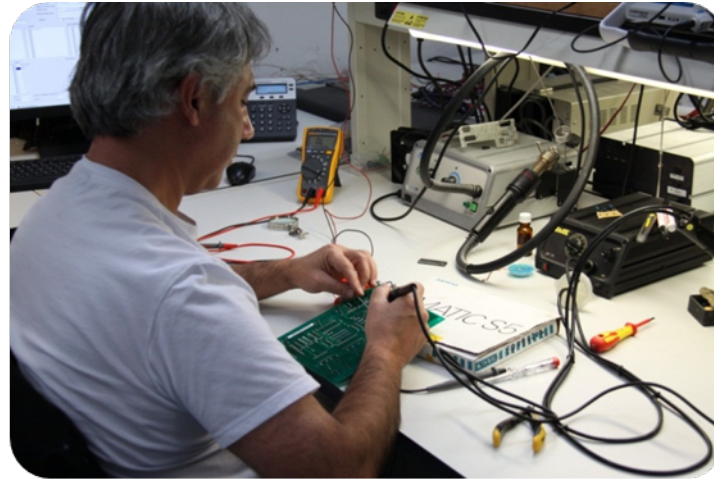
QUALITY IN REPAIR



General

Repair disciplines

- ❑ PLCs
- ❑ HMI
- ❑ Specials
- ❑ Drives
- ❑ Robot electronics
- ❑ CNC
- ❑ Servo motors



**QUALITY
IN REPAIR**



PLCs

Repair centre PLCs



**QUALITY
IN REPAIR**



PLCs

Repair

UNIS Group has repaired PLCs since 1984. Our PLC repair center is specialized in performing repairs for products such as:

- ❑ CPUs
- ❑ I/O Modules
- ❑ Power supplies
- ❑ Interface boards
- ❑ Programmer devices
- ❑ Industrial PCs



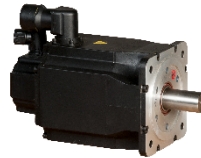
**QUALITY
IN REPAIR**



Professional repair of electronics used in industrial networks:

Such as:

- Profibus
- Profinet
- Ethernet
- ASI-bus
- Interbus
- CAN-bus
- Device Net
- RS422/485
- And more...



PLCs

Test facilities Siemens



**QUALITY
IN REPAIR**



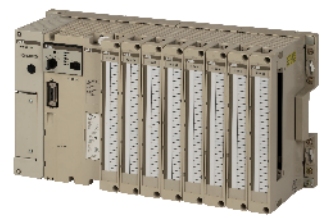
And more...



PLCs

Test facilities others

ABB



- 07KR240
- Advant Controller 31
- Freelance 2000
- Procontic CS31
- T200



**Allen Bradley
(Rockwell Automation)**



- 1756
- Micrologix 1500
- PLC5
- SLC500
- SLC5000



BOSCH Rexroth

- PG1220 Series



Eberle

- PLS 511



**QUALITY
IN REPAIR**



PLCs

Test facilities others

AEG

- A120
- A250



B&R

- NT40
- NT43



**Siemens/GE Fanuc/
TI**

- 305
- 405



Endress & Hauser

- FXN 671
- NT 471



**QUALITY
IN REPAIR**



PLCs

Test facilities others

Fisher Rosemount

- Delta V

IDEC

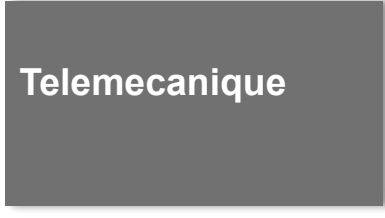
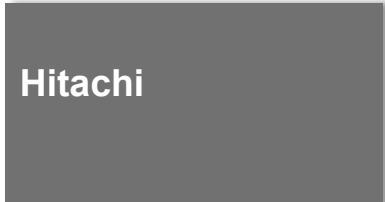
- FA1
- Micro-1

Hitachi

- EC
- EC2
- H250

Telemecanique

- TSX 17
- TSX 47
- TSX 7



QUALITY
IN REPAIR



PLCs

Test facilities others

Festo Electronic

- FPC201



Honeywell

- IPC 620-30
- IPC 620-20
- IPC 620-25
- IPC 620-35



GE Fanuc

- 90-30
- 90-70
- Genius
- Series Five



Klöckner Moeller

- Suco Control



QUALITY IN REPAIR



PLCs

Test facilities others

Mitsubishi



Modicon/
Telemecanique

- Alpha
- FX
- FX2
- Melsec A
- Melsec Q



- TSX Micro
- TSX Quantum



Philips



SAIA

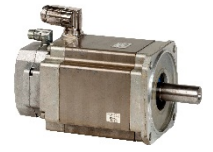
- P8 Compact line
- P8 Rack line
- PC20



- PCD
- PCD1
- PCD2
- PCD4
- PCD6



QUALITY
IN REPAIR



PLCs

Test facilities others

Landis & Gyr

- PCAO



Modicon

- A120
- A984 Gould



Omron

- CPM1A
- CQM1
- CQM1H
- SYSMAC C200 HE
- SYSMAC C20



Phoenix

- Interbus



QUALITY IN REPAIR



PLCs

Test facilities others

SattControl



- PBS Micro
- SC15-20
- Slimline



Texas Instruments



- 305
- 405
- 500
- 505
- 530



Schneider



- SR3
- TSX Premium
- TSX Compact
- TSX Quantum



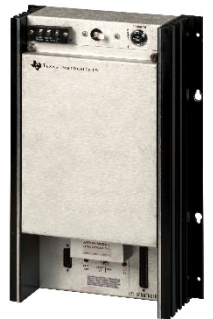
Texas Instruments



- 560
- 565
- 5TI
- PM550
- VPU200



**QUALITY
IN REPAIR**



PLCs

Test facilities others

WAGO

750



Sprecher + Schuh

SEStep



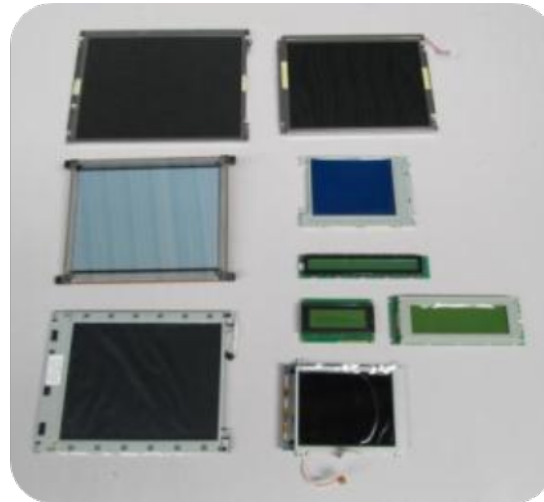
QUALITY
IN REPAIR



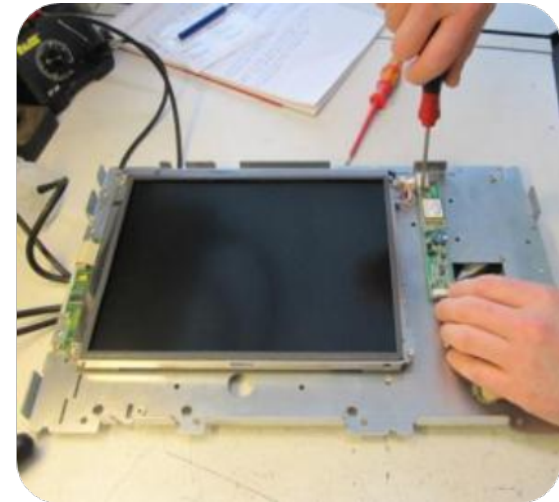
UNIS Group has a wide range of replacement foils and displays in stock. When available, originals are used; if not, UNIS offers a replacement foil.



Replacement foils



Replacement displays



Replacement of a display

Specials

Repair centre Specials



**QUALITY
IN REPAIR**



Drives

Repair centre Drives



**QUALITY
IN REPAIR**



Drives

Repair – Frequency converters and soft starters

UNIS Group has many years experience in repairing frequency converters and soft starters ranging from the oldest to the latest models.



**QUALITY
IN REPAIR**



Drives

Testing – Frequency converters and soft starters

With our drive test facilities, 4 test systems, with a total capacity of 24 drives, you are assured of quality and speed. UNIS can test drives up to 315 kW.



**QUALITY
IN REPAIR**



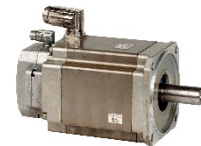
Drives

Test facilities Siemens Simodrive

- ❑ Tested by high and continuous power up to 110 kW
- ❑ Complete function test
- ❑ 3 days endurance test



**QUALITY
IN REPAIR**



Drives

Test facilities others

ABB

□ ACS



Allen Bradley

□ Powerflex 40



AEG

□ Microsemi
□ Minisemi



Control Techniques

□ UNIDRIVE
□ Comander



QUALITY
IN REPAIR



Drives

Test facilities others

Danfoss



VLT



KEB

Combivert



Klöckner Moeler

DOL
 RA

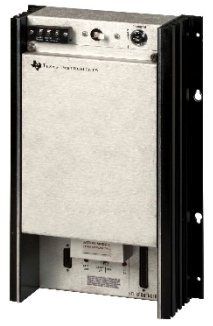


Lenze

7800
 8200
 9300
 SMD



QUALITY
IN REPAIR



Drives

Test facilities others

Omron

□ Sysdrive



Refu

□ RD52



Mitsubishi

□ A200



SEW

□ Movidyn
□ Movitrack
□ Movidrive



QUALITY
IN REPAIR



Drives

Test facilities others

Schneider Electric

- Altivar 71



Telemecanique

- Altivar



Siemens

- EM 300
- Micromaster
- Simovert Masterdrive MC/VC/FC
- Simovert PM
- Sinamics



Vacon

- 10/20/100
- CXS
- NXC
- NXL
- NXS
- NXP



QUALITY IN REPAIR



Drives

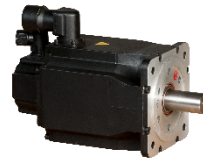
Test facilities others

Yaskawa

□ CiMR



**QUALITY
/N REPAIR**



Servo drives

Repair

UNIS Group has many years experience in repairing servo drives ranging from the oldest to the latest models.



QUALITY
IN REPAIR



Indramat

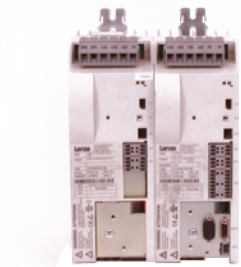


Simodrives



Berger Lahr

Yaskawa



Lenze



Sinamics

Baldor



Servo drives

Test facilities Servo drives - Indramat

- ANAX
- DIAX 1
- DIAX 2/3
- DKR
- Ecodrive 01
- Ecodrive 03
- RAC
- DIAX 4



**QUALITY
IN REPAIR**



Drives

Test facilities Servo drives - others

ABB

- DKR
- SDS100



Atlas Copco

- DMC



Baumüller

- BUS 3
- BUS 6 VC
- Analog
- Digital



Fanuc

- Alpha A
- Alpha i
- Alpha iS
- Spindle drive



QUALITY
IN REPAIR



Drives

Test facilities Servo drives - others

**Allen Bradley
(Rockwell Automation)**



- 1391
- 1394
- Kinetix 6000



Mitsubishi

- MELSERVO SA



BOSCH

- VM60



Kollmorgen/Seidel

- 60WKS



**QUALITY
IN REPAIR**



Robot electronics

Repair centre Robot electronics



**QUALITY
IN REPAIR**



Robot electronics

Repair

Our Robot repair centre is specialized in performing repairs on robot electronics, such as:

- ❑ Teach pendants
- ❑ Servo drives used in robotics
- ❑ Processor boards
- ❑ Servo processor boards
- ❑ Safety boards
- ❑ System I/O boards
- ❑ Network interface boards
- ❑ Power supplies
- ❑ And more...



QUALITY
IN REPAIR



Robot electronics

Repair

Control Units



Kuka



ABB

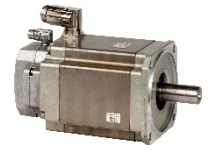


Fanuc

And more...



QUALITY
IN REPAIR



Robot electronics

Repair

Teach pendants



**QUALITY
IN REPAIR**



And more...



Robot electronics

Testing

ABB



- ICR5 (2x)
- S2 (3x)
- S3 (2x)
- S4 (2x)
- S4C (1x)
- S4C+ (1x)



Adept

- 840
- Adept One MV
- Cobra 600
- Cobra 600 AIB
- Cobra S650



Fanuc



- R-J (2X)
- R-J2 (2X)

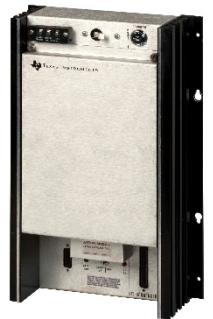


Stäubli

- CS8C TX60L
- CS8 TX90
- CS8 RX90
- CS7B RX90



**QUALITY
IN REPAIR**



Robot electronics

Test centre Robot electronics



**QUALITY
IN REPAIR**

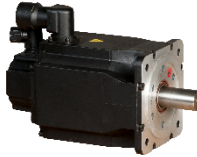


CNC

Repair centre CNC



**QUALITY
IN REPAIR**



Robot electronics

Testing

Bosch

- SR60



Kuka

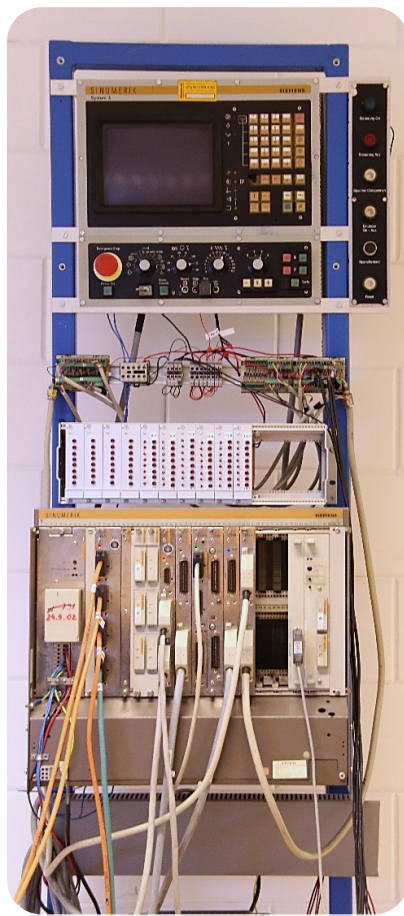
- KRC1
- KRC2
- RC22/42
- RC30/51
- VKRC1



QUALITY
IN REPAIR



Test facilities CNC



QUALITY
IN REPAIR



Servo motors

Repair centre Servo motors



**QUALITY
IN REPAIR**

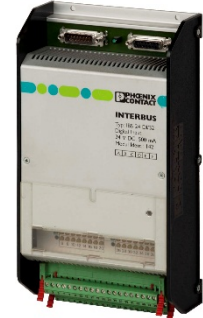
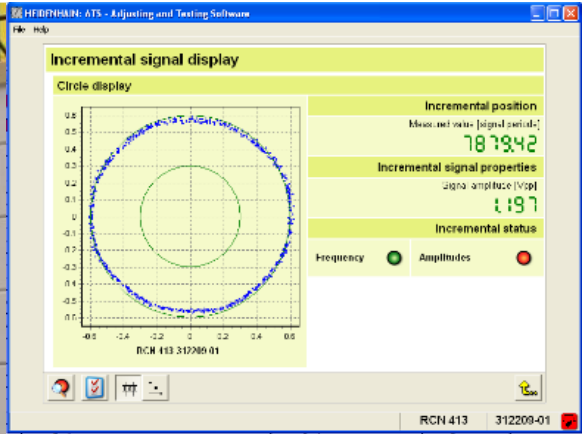


Servo motors

Test facilities - Servo motors - Heidenhain



**QUALITY
IN REPAIR**





Servo motors

Test facilities others

ABB

- 3HAB
- 3HAC
- 3HNM
- 8C
- 9C
- HDP
- Serie 4 and 5



Allen Bradley

- 1326 AB
- MPL



Baldor

- Various



Baumüller

- DS0G
- DSG
- FLI

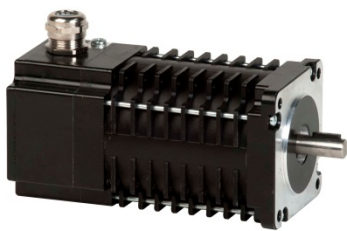


Servo motors

Test facilities others

Berger Lahr

- VRDM



BOSCH/Indramat

- 2AD
- MAC
- MDD
- MHD
- MKD
- MSK and MMD



Control Techniques

- Unimotor FM
- Unimotor HD



Demag

- Various



QUALITY IN REPAIR



Servo motors

Test facilities others

Festo

- EMMS



Fanuc

- Alpha
- Alpha i(S)
- Beta
- BETAi



KEB

- 42SM
- 53SM
- C2SM001
- D3SM
- E4SM

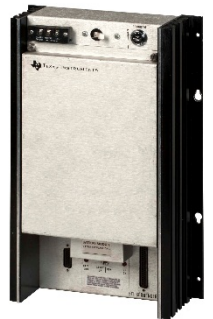


Kuka

- 1FK60
- 1FK61
- 1FK71



QUALITY
IN REPAIR



Servo motors

Test facilities others

Kollmorgen/Seidel

- Various



Lenze

- MC09F
- MCS
- MDS
- MDF



Mitsubishi

- HC-SFS
- HC-MFS



Parker

- Various



QUALITY
IN REPAIR



Servo motors

Test facilities others

Panasonic

- MSM



Num

- Servomac
- Flexium(+)



SEW

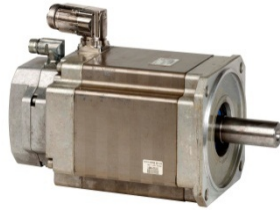
- CFM
- CMD
- CMP
- DFS

- DFY
- KH
- PSF



Siemens

- 1FK
- 1FT
- 1HU
- 1PH
- Posmo



**QUALITY
IN REPAIR**



Servo motors

Test facilities others

SSD Eurotherm

□ Various

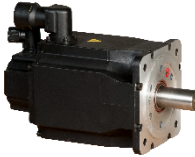


Schneider Electric

□ Lexium



**QUALITY
IN REPAIR**



Quality in Repair

Advanced equipment

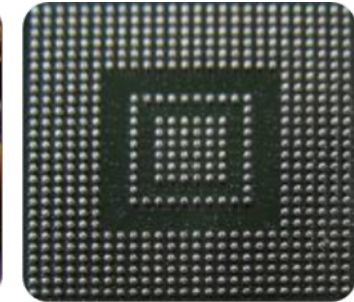
Our technicians have at their disposal:

Analyse equipment:

- Curve tracer
- Oscilloscope
- Multi meter
- Calibrator
- Infrared camera



BGA Camera



BGA

Repair equipment:

- BGA removal and placement station
- Professional soldering and desoldering stations
- Hot air station for removal and placement of SMD components



QUALITY
IN REPAIR



Quality in Repair

Improve delivery times

UNIS Group has a department where modules are being analysed on components. This enables UNIS to purchase components even before the repair is started which will result in shorter delivery times.

- **Having high volumes of components in stock is essential for delivery time.**
- **UNIS Group has over 23.000 different items in stock with a total quantity of over 900.000 pieces.**



**QUALITY
IN REPAIR**



Quality in Repair

Industrial electronics

Are your electronics exposed to dirt, moisture and other “hazards” that can reduce their life-cycle?



UNIS uses special equipment to clean your electronics and to test the electronics after cleaning.



**QUALITY
IN REPAIR**



Sales

Industrial electronics

UNIS

GROUP

QUALITY
IN REPAIR



> 120.000 parts
> 13.000 unique items

Purchasing / Exchange possible

Sales

Industrial electronics - Siemens



Simodrive



Simoreg



HMI



S7



S5



Iskamatic



QUALITY
IN REPAIR



And more...



Sales

Industrial electronics - others



**QUALITY
IN REPAIR**



Schneider Telemecanique Indramat

Danfoss



SEW

Lenze

Allen-Bradley

And more...



References

DAIMLER



PHILIPS

L'ORÉAL



OUTO KUMPU



Heineken®



TATA STEEL

Coca-Cola



RENAULT



DELPHI
Automotive Systems



Smurfit Kappa



Job opportunities

Holland

- ❑ Electric and servo motor repair engineers
- ❑ Repair engineers industrial electronics
- ❑ Technical purchaser Brasil

Brazil

- ❑ Electric and servo motor repair engineers
- ❑ Repair engineers industrial electronics

Portugal

- ❑ Accountmanager



**QUALITY
IN REPAIR**



Contact

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Gustavo Silva

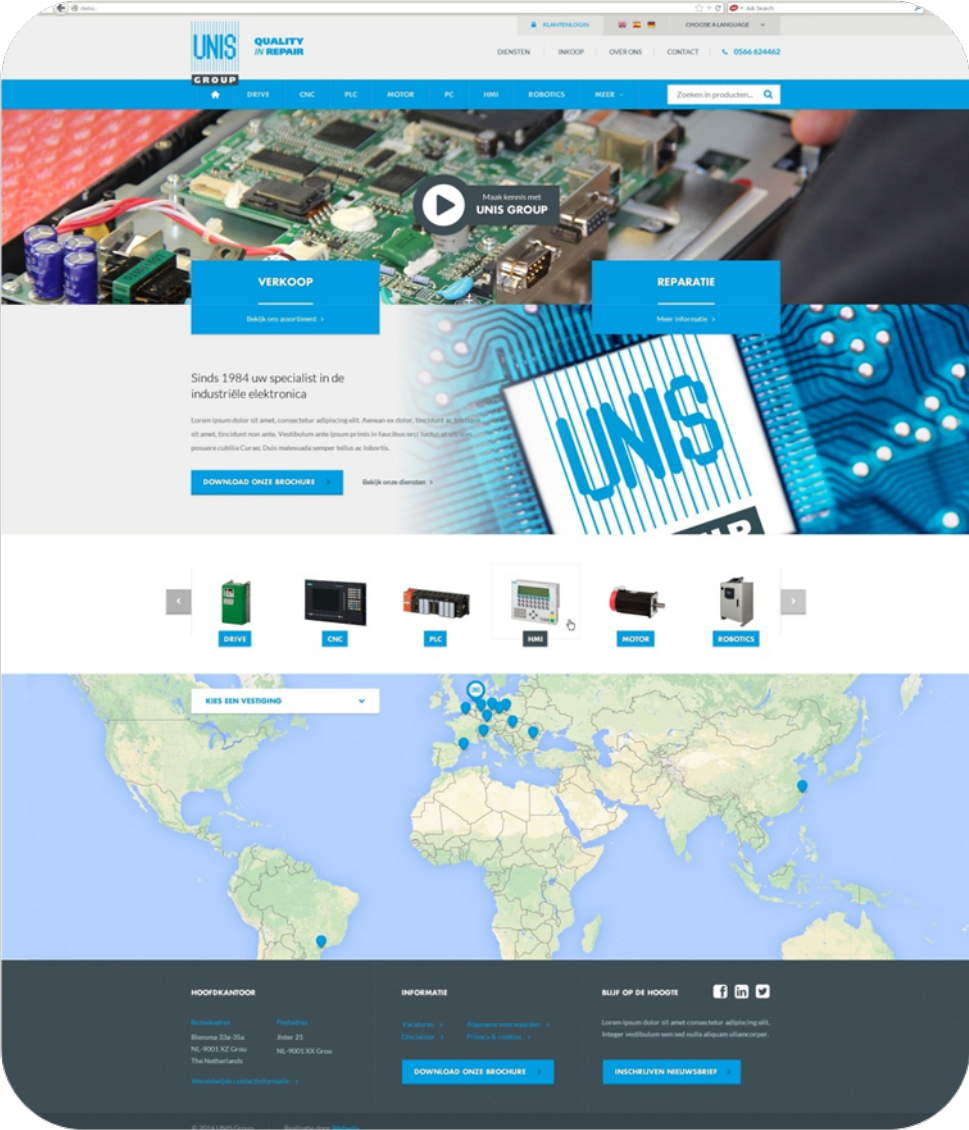
T: +55 19 3500 2505

M: +55 19 99699 4365

E: gustavo@unisgroup.com

Website: www.unisgroup.com

Webshop: www.plcspares.com



QUALITY IN REPAIR

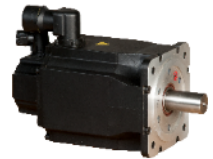


UNIS Group



GROUP

**QUALITY
IN REPAIR**



QUALITY IN REPAIR

