After Sales
Repair Service Solutions

RIETER

# Comprehensive Repair Service Solutions

## Electronic, mechanical and winding repair services

Enhanced machine performance
and extended machine lifetime

# Global Footprint

The Rieter repair services network comprises of 25 repair stations which are strategically located at the doorstep of Rieter customers. Each repair station is fully equipped with the testing and calibration equipment required to provide the highest quality repairs. In order to reduce the turnaround time for critical repairs, Rieter repair stations are also equipped with an inventory of critical repair components, exchange parts and modules.

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# Electronic Repairs

Rieter experts use in-house designed electronic test equipment and software for precise component-level repairs. Each part is examined under Electrostatic Discharge (ESD) compliant procedures and tested under simulated operating conditions. Technicians receive continuous training at Rieter headquarters in Switzerland to stay updated on evolving technologies and new products.

## Frequency converters

Rieter offers comprehensive repair and preventive maintenance packages for frequency converters, covering a wide range of generations to ensure continuous and efficient operation.

KEB F4

KEB F5

Yaskawa 7 series

Yaskawa 1 000 series

# Ring spinning inverters

Rieter guarantees the continuous operation of ring spinning machines by providing preventive maintenance packages that minimize downtime risks and ensure consistent yarn production, even after years of service.

Ring spinning inverters Basic: KEB G6, F5

Ring spinning inverters Vario: KEB H6, F5

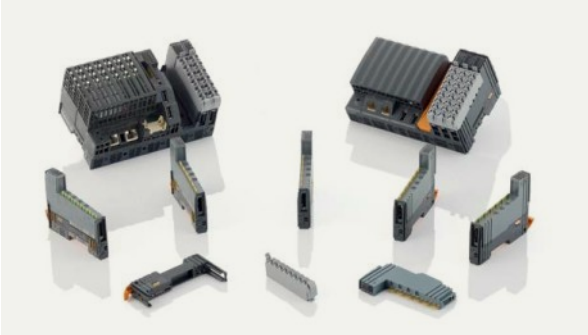
# Machine control units

Rieter's repair service centers feature advanced testing facilities, providing expert support for a wide range of machine control units and ensuring optimal functionality.

RMC (Rieter Micro Computer), TI MC (Texas Instruments Micro Computer) (left to right)

SCU (Schaltag Control Unit)

B&R SG3 family: CPU module, I/O module, SG3 family I/O, Servo Drive



B&R SG4 family: CPU modules and X2X I/Os

# Operating panels and display units

Operating panels and display units, including keyboards and touchscreens, are repaired to restore functionality, while weak internal components are replaced to improve longevity.


Old operating panels

IPC: Industrial PC, all generations

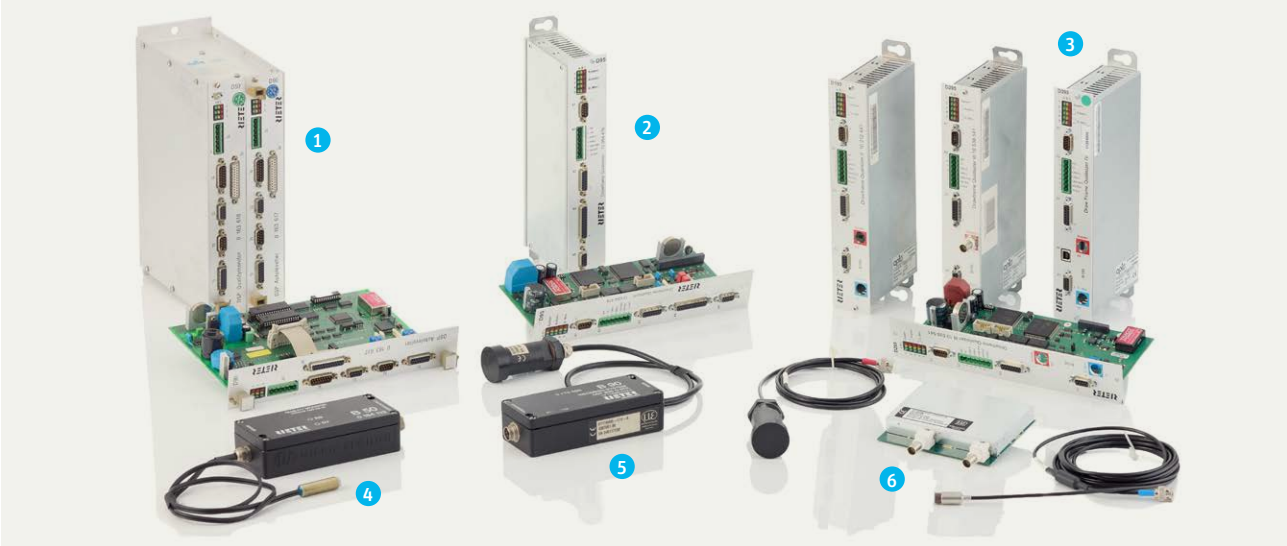
Roving frame panels: TP1200, MP277, Etop32, MB90 (left to right)

B&R panels: PP450, PP41 DF, PP41 STD, PP35 (left to right)

Touch panels: T30/T50, PP320, Advantech (left to right)

# Draw frame RSB electronics

Draw frame RSB electronics, including auto-leveling systems, sensors, and drive systems, are refurbished and maintained to ensure long-term, consistent performance and to prevent failures.



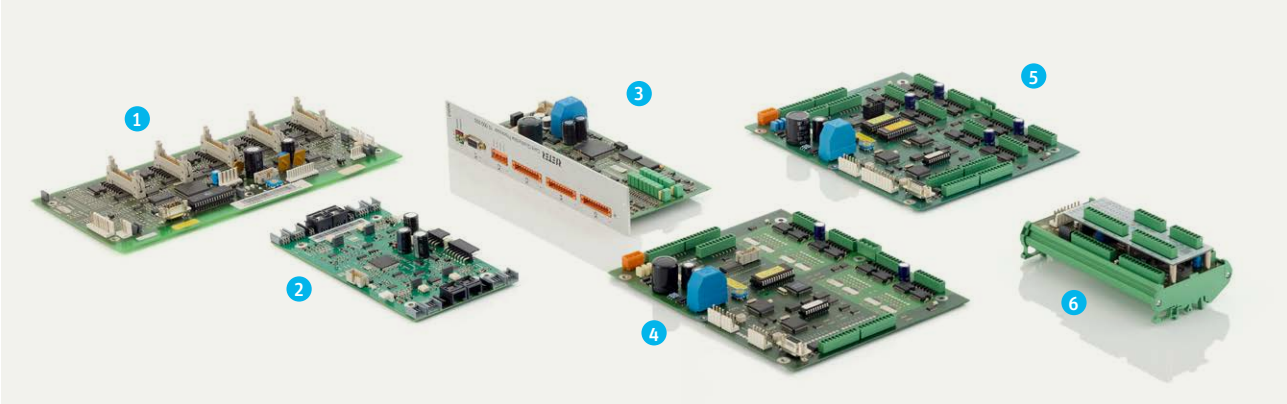

DSP (digital signal processing) boards all generations: 1. D90/D50 2. D95 3. D195/D295/D395 distance measuring systems 4. B50 5. B90 6. B195

Autoleveler servo drives and motors

D 26/D 50 multi axis servo controller & M1 M2 M3

## Complex I/O systems

Rieter's repair service centers are fully equipped to handle complex I/O systems, including section controllers and I/O boards, ensuring seamless operation with maximum efficiency.




1. R40 V5 section controller 2. Box controller 3. CardDSP D95K 4. R1/20/40 section controller 5. HeadStock control 6. XI/O module

## Roving frame flyer drives

Rieter provides in-house repair packages for roving frame to ensure consistent and trouble-free operation, even after extended use.

Simodrive, Reel Wave3 tunnel (left to right)

## Yarn traverse drives

Rieter's repair service provides comprehensive repair solutions for traverse drives and motors, ensuring consistent and high-quality yarn packaging.

Traverse inverter and motor

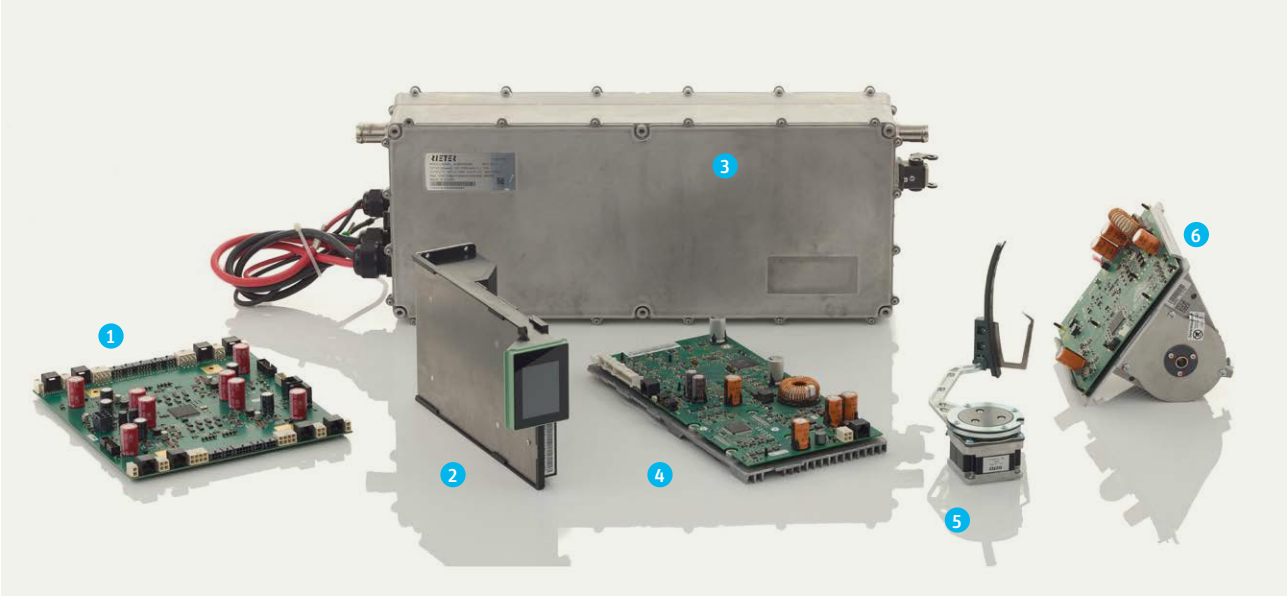
## ISM for ring and compact-spinning machines

Rieter provides repair support for Individual Spindle Monitoring (ISM), which is enabling customers to monitor spindle performance and reduce personnel costs by up to 5%.

Individual Spindle Monitoring system for ring and compact-spinning machines

## Rotor R 70 electronics

Rotor R 70 and section electronics, including box control boards, SUC, and power supplies, are serviced to maintain high productivity and consistent product quality.




1. Box control board 2. SUC 20 3. Power supply 4. SUC21 5. Step motor 6. RRD

RRD (Rieter rotor drive) components

## Yarn clearer for rotor spinning and air-jet spinning machines

Rieter refurbishes yarn clearers, essential for monitoring quality in rotor spinning and airjet spinning machines, in a cost-effective manner to ensure long-term, reliable performance.

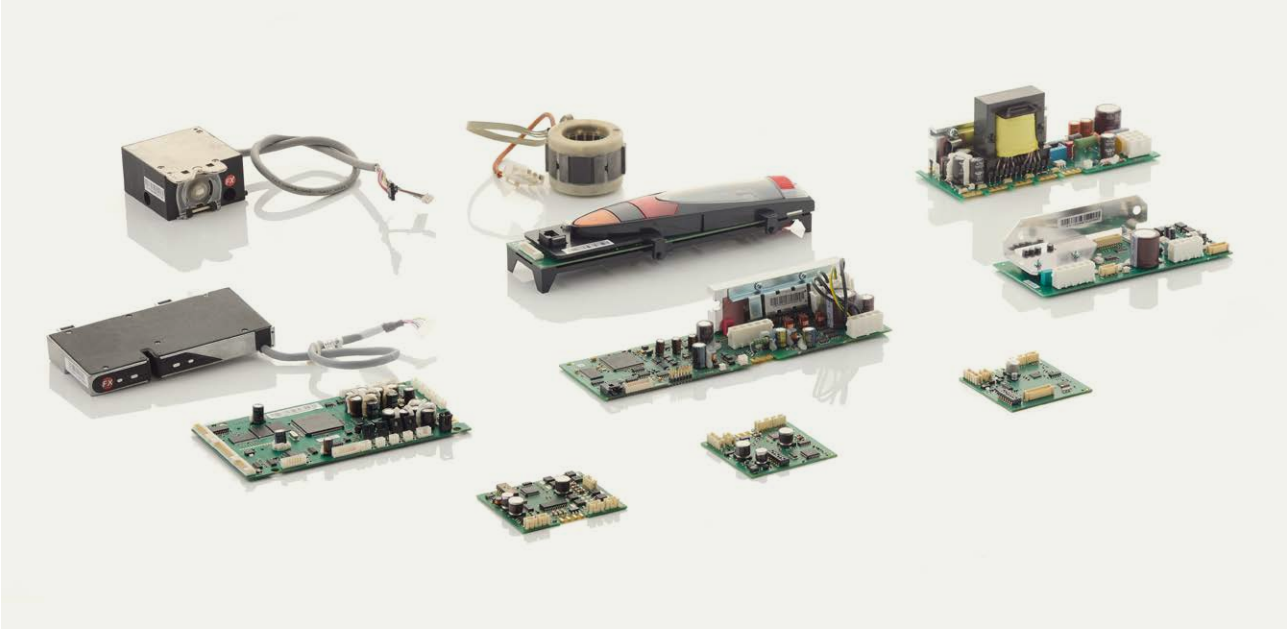

1. IQ Plus 2. RYC 3. Q 10

# Winding electronics

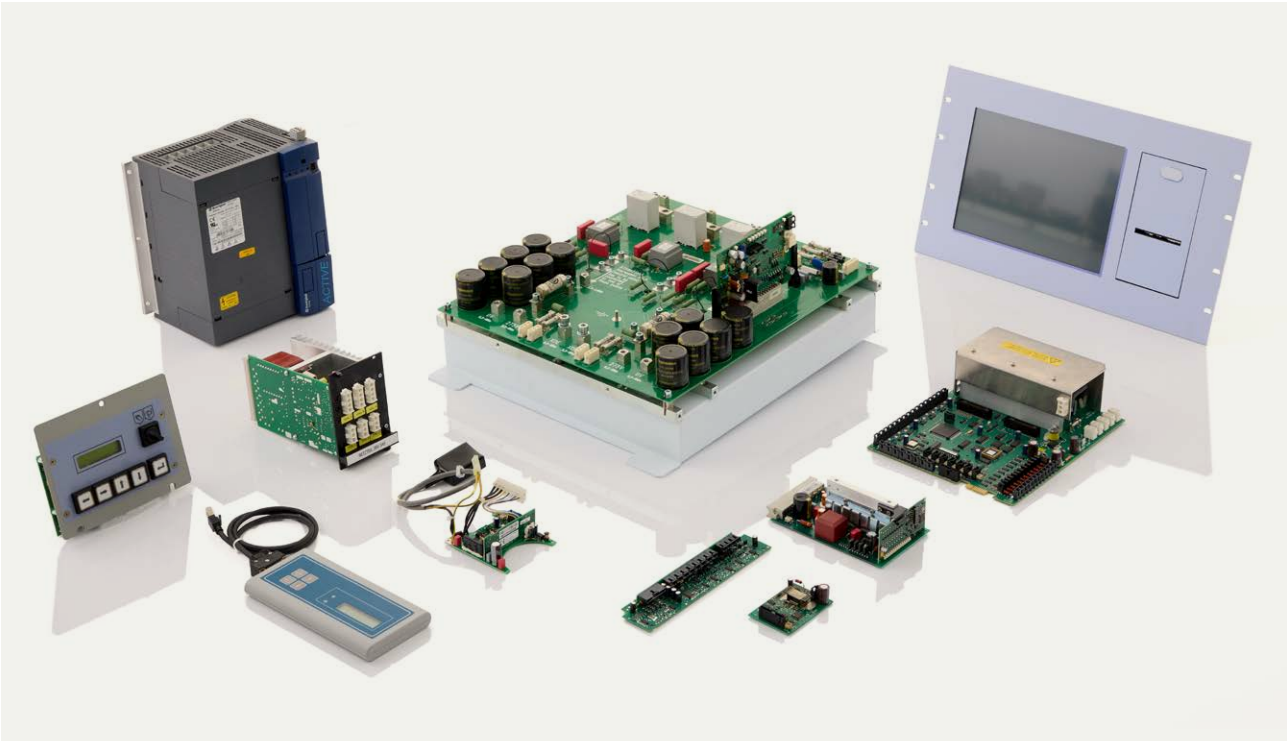
Rieter offers extensive electronic repair services for winding machines, including AC 238, AC 338, AC 5, AC X5, AC 6 and AC X6. These services ensure high-quality repairs with minimal downtime, ranging from preventive maintenance to full system overhauls.

Autoconer 338 electronics – winding unit

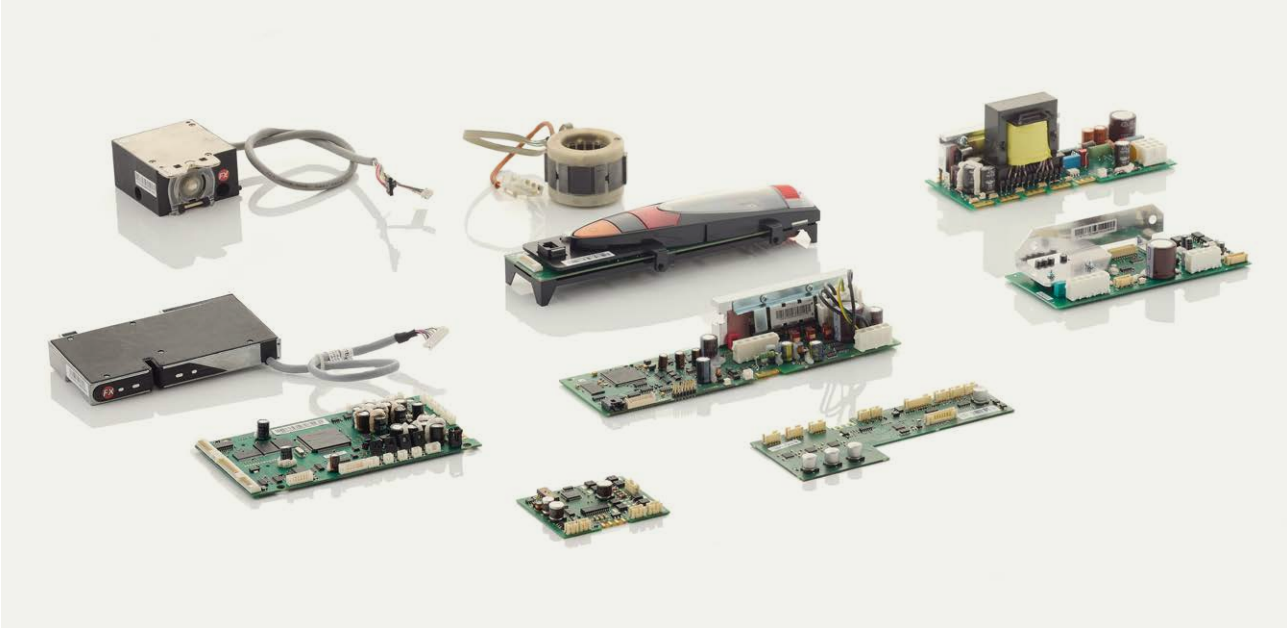
Autoconer 338 electronics – machine unit



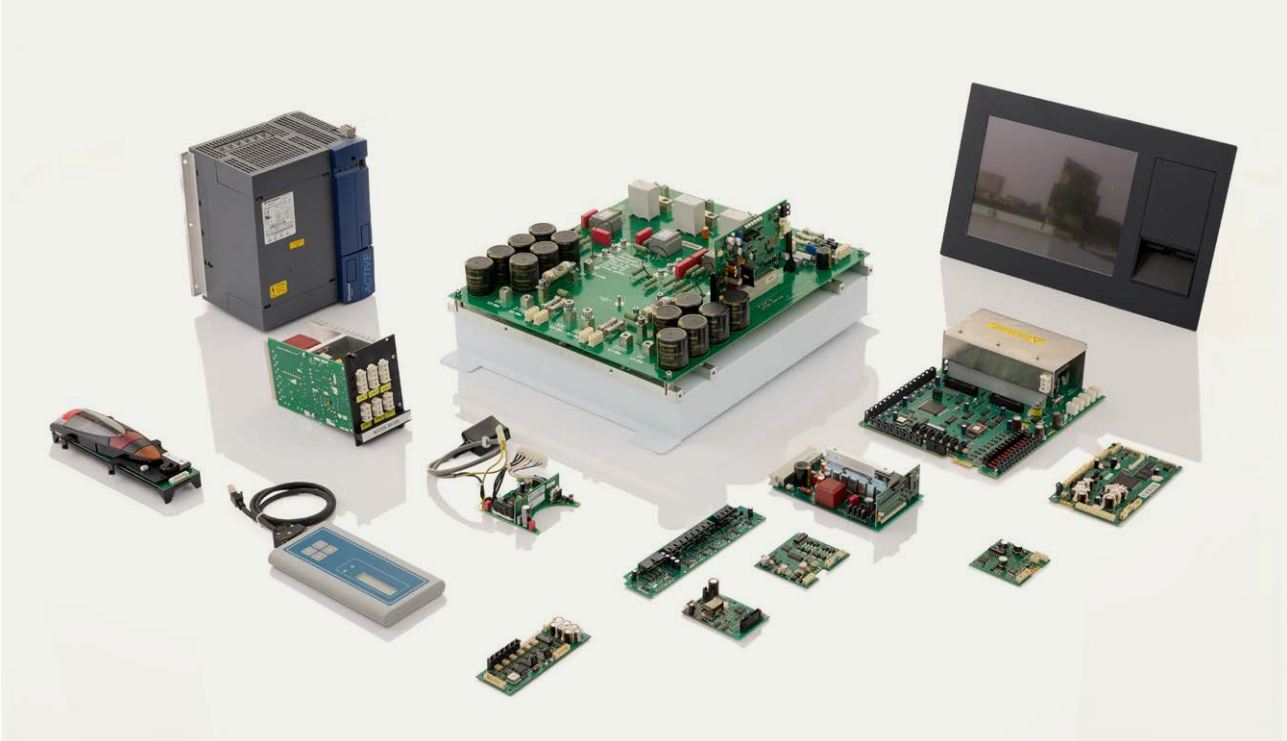
Autoconer 5 electronics – winding unit



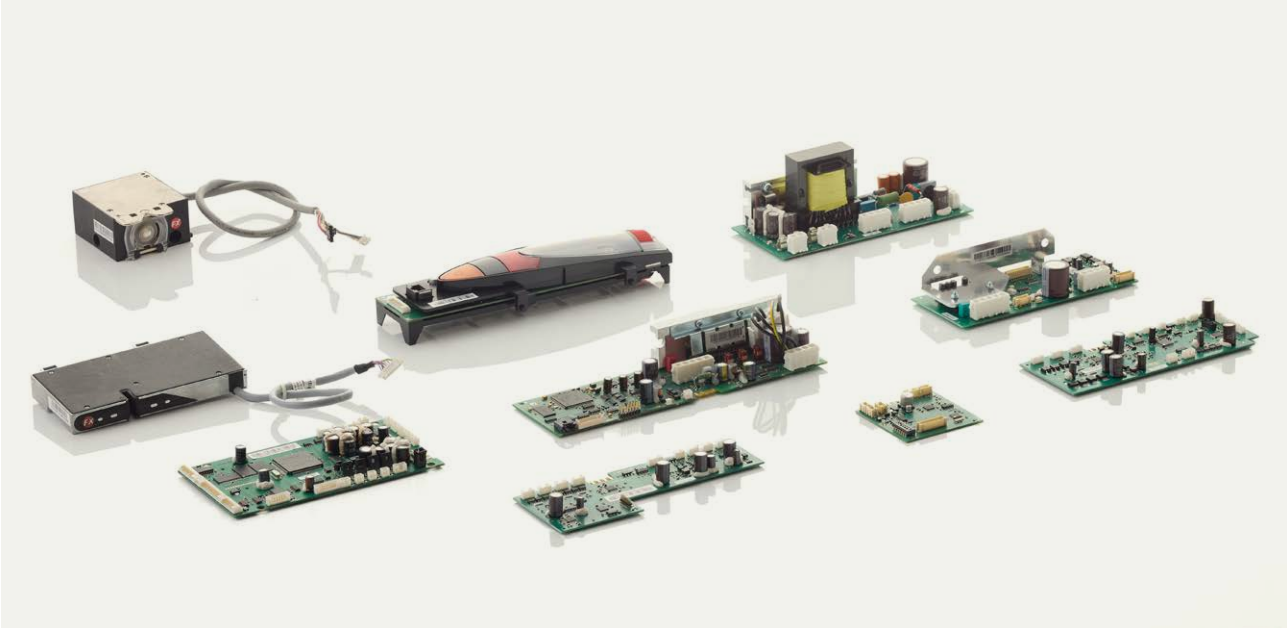
Autoconer 5 electronics – machine unit



Autoconer X5 electronics – winding unit

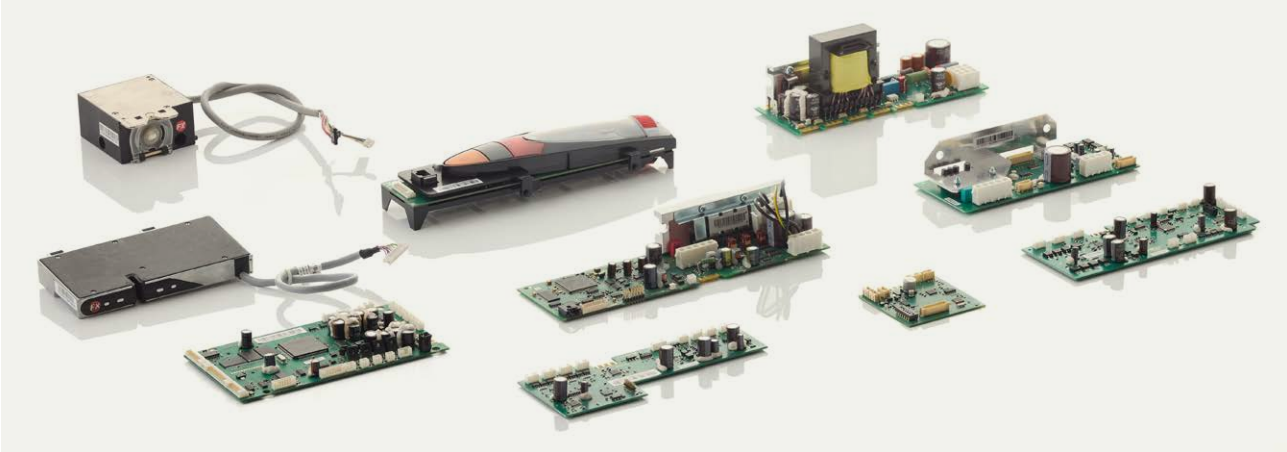


Autoconer X5 electronics – machine unit

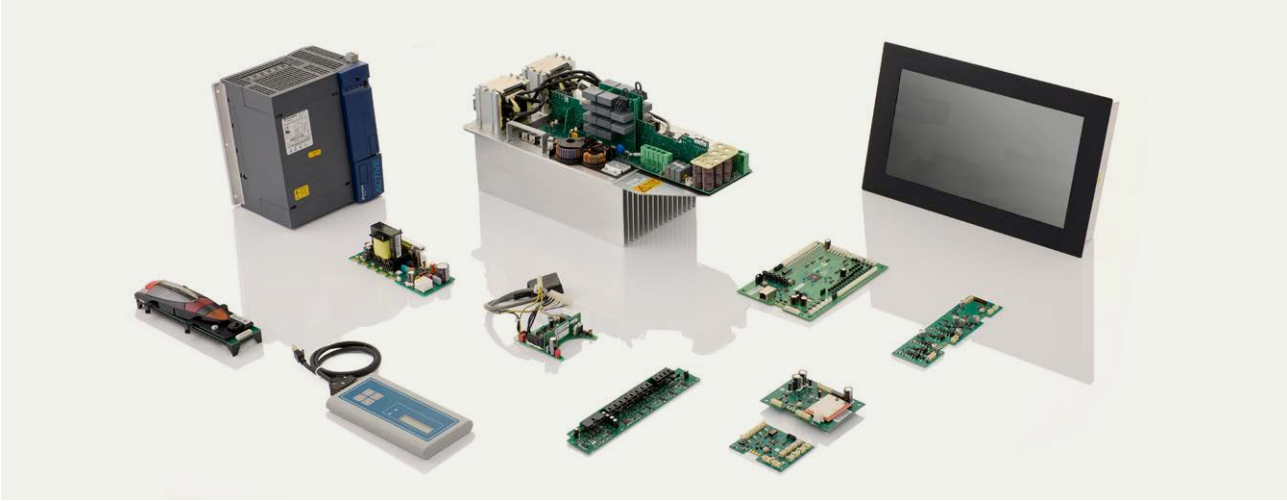


Autoconer 6 electronics – winding unit

Autoconer 6 electronics – machine unit



Autoconer X6 electronics – winding unit



Autoconer X6 electronics – machine unit

Operating unit

# Mechanical Repairs

Mechanical parts experience wear over time, influenced by factors such as operating hours, environmental conditions, and maintenance practices, which vary across mills. Rieter repair services offer a wide range of mechanical repair solutions to to enhance machine efficiency and improve reliability.

## Blowroom

Rieter provides mechanical repair services for blowroom drive systems, including geared motors, ensuring smooth and reliable operation.

UNIflex B 60 feed roll drive

## Card

Rieter offers mechanical repair solutions for carding machines, covering components such as chute feed and flat drive gearboxes to ensure consistent performance and high-quality output.

Card C 60 chute feed gearbox

Card C 60 flat drive gearbox

Card C 70 chute feed gearbox

Card C 80 chute feed gearbox

Card C 80 flat drive gearbox

## Draw frame

Rieter provides comprehensive draw frame mechanical repairs, including differential gearbox, scanning gearbox as well as coilers. The differential gearbox, a key component of the autoleveler system, is refurbished to ensure optimal performance. During coiler refurbishment, customers can select their preferred coiler type (honeycomb or plain) and sliver ducts based on their process needs.

Draw frame D 40 and D 45 differential gearbox

Draw frame D 35 differential gearbox

Coiler type – honeycomb, plain and sliver duct

## OMEGAlap

For improved maintenance management, oil monitoring is integrated the OMEGAlap gearbox during mechanical repair services.

OMEGAlap E 35 gearbox

# Ring and compact-spinning – drafting system

Rieter repair service centers offer comprehensive mechanical support for ring and compact-spinning machines, covering components, such as drafting gearboxes, rollers, and gears to ensure seamless operation.


Drafting gearboxes: 1. Front roller 2. Middle roller


Drafting gearbox and planetary gears: 1. Front roller AZK 2. Front roller AZG 3. IMD 4. EZ 5. MZ

# Ringrail gearbox

The ringrail drive gearbox facilitates vertical ring rail movement for cop formation in ring and compact-spinning machines. Refurbishment enhances performance, extends lifetime, and optimizes oil monitoring.

Ringrail gearbox – Siemens

Ringrail gearbox – Lenze

# Motors

Rieter repair service centers offer greasing modifications for main motors and repairs for drafting motors in ring spinning machines, ensuring smooth operation and extended durability.

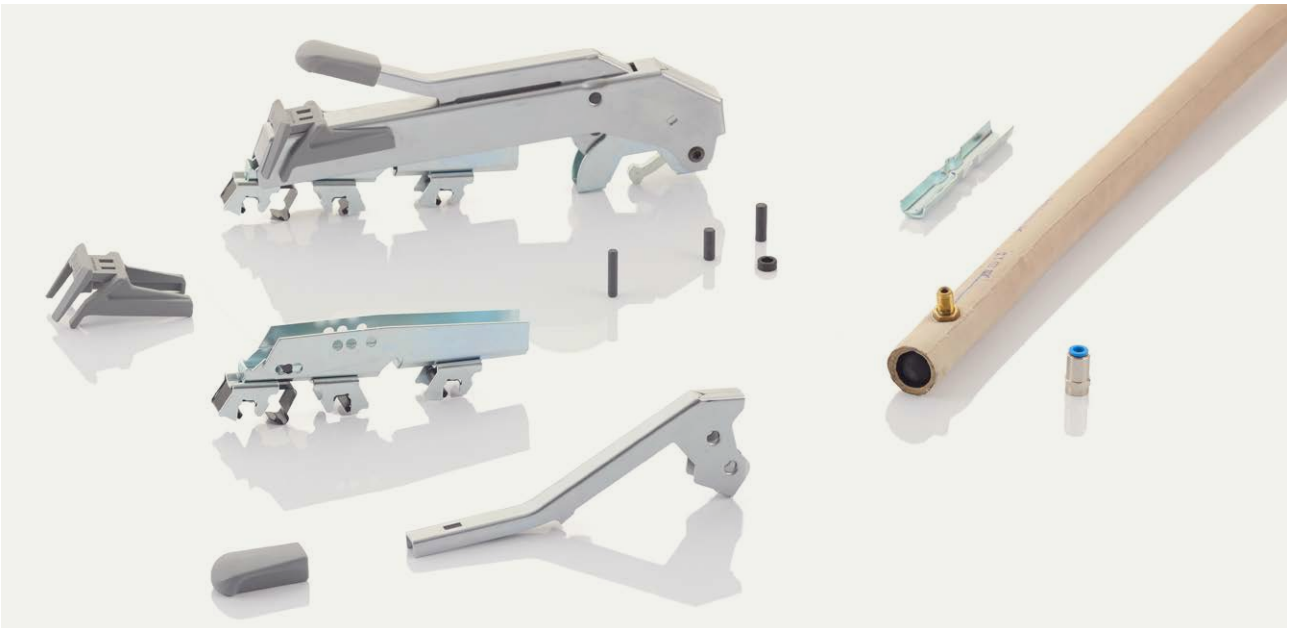
80 kW main motor (WEG)

110 kW main motor (SERVAX)

Drafting motors, PSM motor

# Guiding arm refurbishment

Rieter's P3-1 guiding arm refurbishment ensures uniform load distribution, reduces load variation, minimizing yarn breaks and faults, and enhancing ergonomics.



Guide arm for ring spinning machines

Guide arm for compact-spinning machines

## Suction drum refurbishment for compact-spinning

Rieter refurbishes perforated suction drums to restore compact spinning machine performance, enhance yarn quality and strength while extending machine lifetime. The automated repair process ensures cost efficiency.

Suction drum assembly with individual components

## Winding mechanical

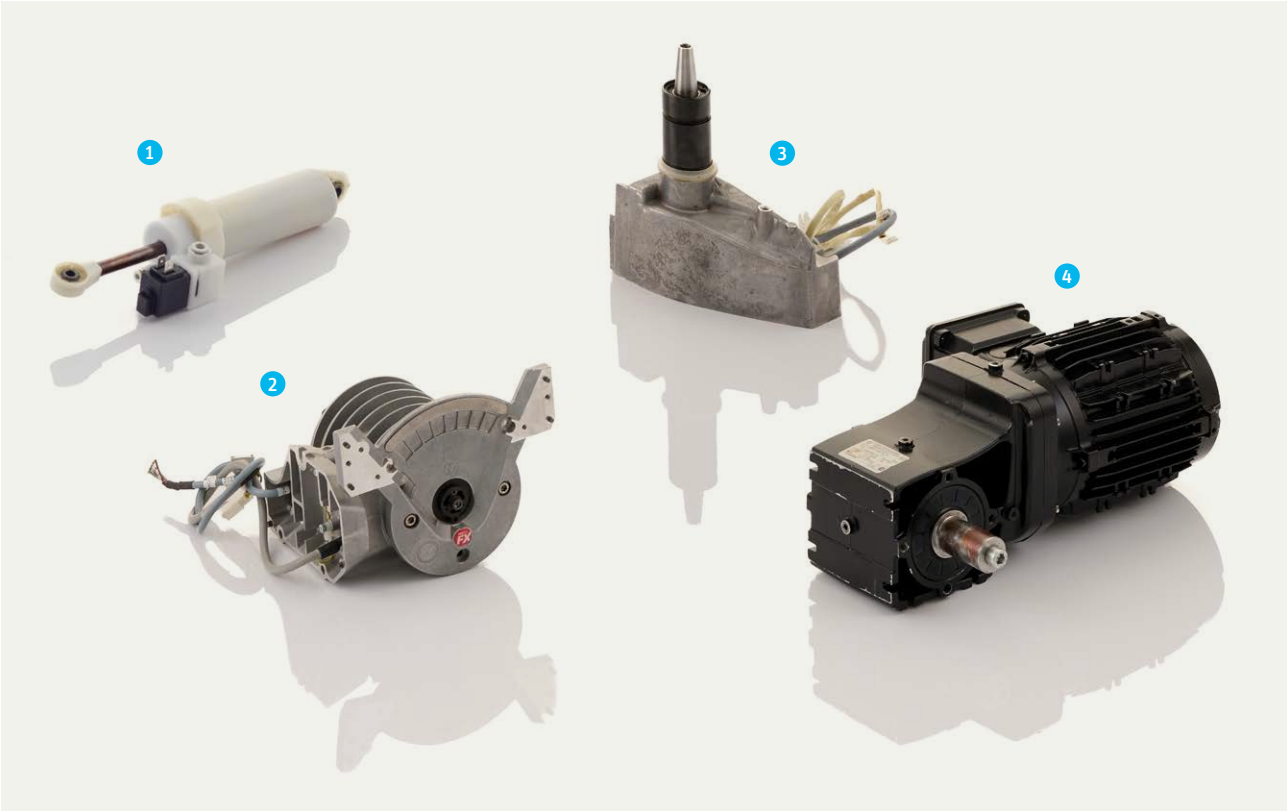
Rieter provides extensive mechanical repair solutions for winding machines, including AC 238, AC 338, AC 5, AC X5, AC 6 and AC X6. Services range from preventive repair to full system overhauls, ensuring high-quality repairs with minimal downtime.


Autoconer 338: 1. Frame damper, 2. Drum drive 3. Pilot GB 4. Drum shaft 5. Splicer valve

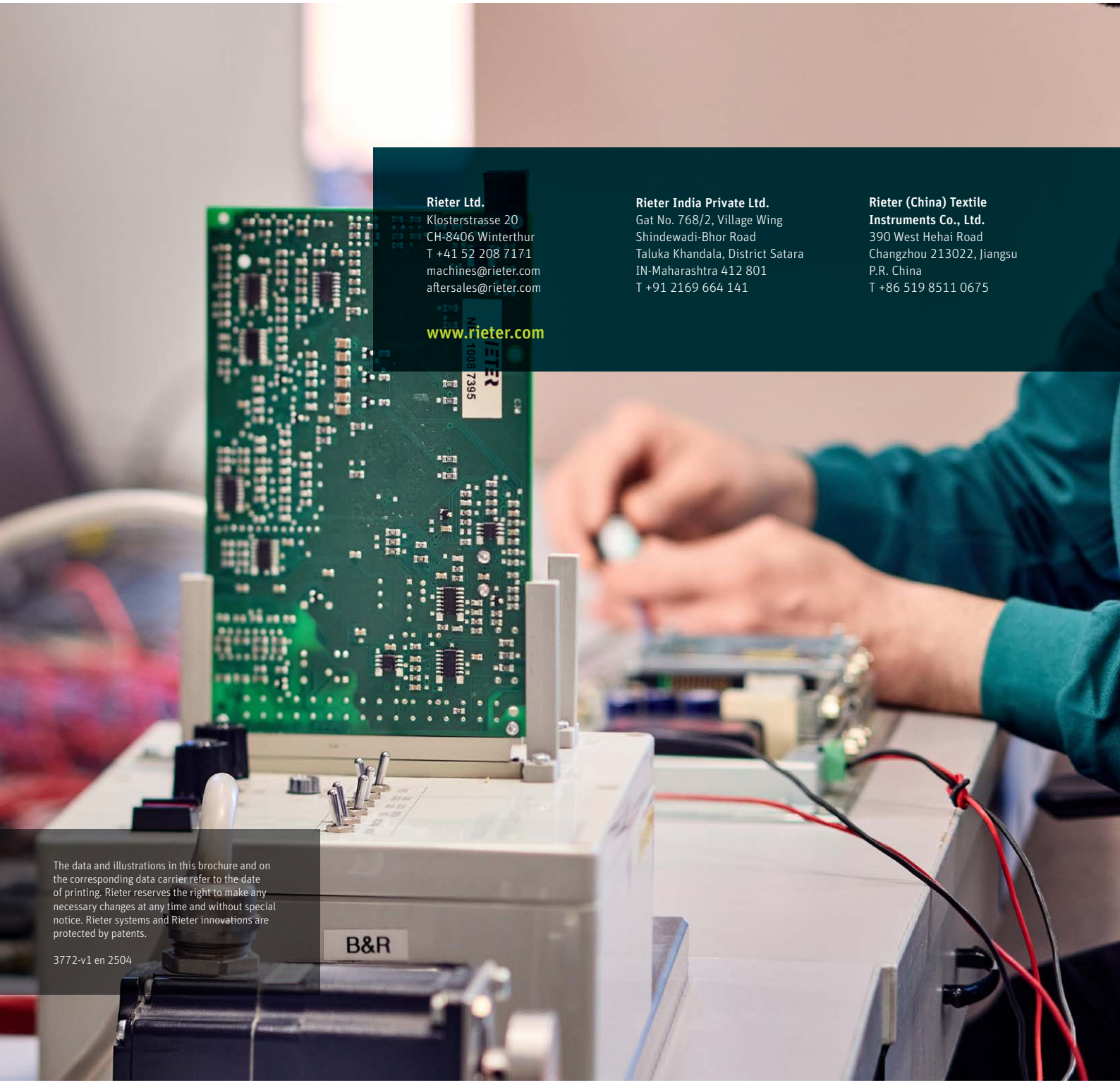

Autoconer 5: 1. Preci FX motor 2. Frame damper 3. Drum shaft 4. Splicer valve


Autoconer X5: 1. Frame damper 2. Preci FX motor 3. Drum shaft 4. Gear motor 5. Drum drive 6. Gear motor return track 7. Splicer valve 8. Friction drum motor


Autoconer 6: 1. Frame damper 2. Preci FX motor 3. Gear motor 4. Drum drive 5. Gear motor return track 6. Splicer valve 7. Friction drum motor




Autoconer X6: 1. Frame damper 2. Preci FX motor 3. Friction drum motor 4. Gear motor




**Rieter Ltd.**
Klosterstrasse 20
CH-8406 Winterthur
T +41 52 208 7171
machines@rieter.com
aftersales@rieter.com

**www.rieter.com**

**Rieter India Private Ltd.**
Gat No. 768/2, Village Wing
Shindewadi-Bhor Road
Taluka Khandala, District Satara
IN-Maharashtra 412 801
T +91 2169 664 141

**Rieter (China) Textile Instruments Co., Ltd.**
390 West Hehai Road
Changzhou 213022, Jiangsu
P.R. China
T +86 519 8511 0675



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