



ROEMHELD
HILMA ■ STARK

PROGRAM SUMMARY

Die Clamping and Changing Systems



Die Clamping Technology

- Hydraulic Clamping Elements
- Electro-mechanical Clamping Elements
- Mechanical Clamping Elements
- Magnetic Clamping Systems
 - Grip Rail Couplings
- Hydraulic Power Units

Die Changing Technology

- Roller, Ball and Transport Bars
 - Die Changing Carts
 - Carrying Consoles
- Rack Systems for Die Storage
 - Push-pull Chain Systems
- Rail-guided Die Changing Carts

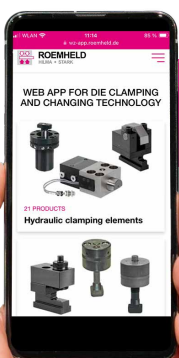
Rotor Locks

- On- and Off-shore Rotor Locks

ws.roemheld.com

wz.roemheld.com

mh.roemheld.com



**Discover the
QDC app now!**

<https://wz-app.roemheld.de/en/home>



www.roemheld.com



Hydraulic Clamping Elements

installed in a fixed position, integrated in the machine table or movable in the slots of the presses

Hollow Piston Cylinders

for press bed and ram, single acting



2.1300

without spring return



2.1320

with spring return



2.1330

Short-Stroke
with spring return



3.2130

hydraulic clamping
and spring unclamping

Spring Clamping Cylinders

which clamp mechanically by Belleville springs



2.1400

with hydraulic return



3.1403

spring clamping
- hydraulic unclamping

Double-T Clamping Bars

hydraulic, for T-slots



2.1832

single acting
with spring return



2.1832

double acting
without carrying rollers



2.1832

double acting
with carrying rollers

Clamping Bars

with press-in or built-in piston



2.2095

single acting
with spring return



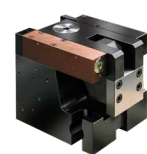
2.2096

single acting
with spring return



2.2097

double acting



2.2480

double acting

Block Clamps

with self-locking mechanical lock

Swing and Pivot Cylinders

hydraulic clamping cylinders with tie rod, which swing or tilt into the clamping position



2.1833

Swivel and pull clamps
with 90° swivel angle
and position monitoring



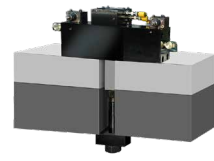
2.2185

Pivot and pull clamps



2.2230

Swing Sink Clamps
for exterior clamping



2.2240

Wedge swing clamps
with mechanical lock

Wedge Clamps for Tapered Clamping Edge



2.2401

without and with position
monitoring at the side



2.2402

with adjustable position
monitoring at the back



2.2403

with safety step



2.2404

with form-fit safety step
and position monitoring



2.2405

with locking bolt



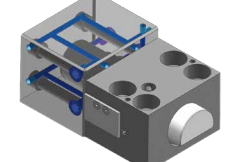
2.2407

with sequence valve control
for high temperature ranges



2.2409

with single valve control
for individual control



2.2410

with cooling circuit for
temperatures up to 250 °C

Wedge Clamps for Flat Clamping Edge



2.2450

clamping with spring force
and hydraulic unclamping



2.2451

hydraulic clamping
and unclamping



2.2460

hydraulic clamping
and unclamping



2.2503

Arch Clamps

Swing Sink Clamps

with 90° swing angle



4.2150

Swing Sink Clamps



4.2170

Swing Clamps
with 90° swing angle



4.2180

Pull-clamping
elements



4.2350

Pull Clamps
with T-Slot



4.2351

Pull Clamps
with T-Slot

Pull-clamping Elements

hydraulic pull-type cylinders with tie rod

Hydraulic Clamping Elements Hydraulic Power Units Hydraulic Accessories

Hydraulic Clamping Cylinder for Insertion in T-slots



3.2202
Sliding clamps
compact



3.2204
Sliding clamps
classic



3.2206
Angular clamps

Built-in Pistons



4.1070
with spring return

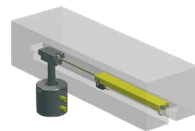
Rapid Clamping Systems



3.2260
Flexline-R
sturdy version



3.2280
Flexline
with push chain



3.2295
with
pneumatic cylinder



RHI-WZ003
Flexline 14.0
with condition monitoring

Grip Rail Couplings



4.2900
hydraulic, mechanical,
electrical or
hydro-mechanical



RHI-WZ001
coupling and clamping
without energy

Hydraulic Power Units



7.1600
Power Units
500/250/160 bar
0,82/2,1/3,5 l/min



7.1800
Power Units in
Modular Design
30 to 500 bar
0,9 to 12 l/min



8.800
Hydraulic Clamping
Pump
manually operated
100, 200 and 500 bar

Hydraulic Accessories



11.2800
Fittings and pipes



11.3800
High-pressure hoses,
connector blocks couplings
and plug-in connectors



11.9200
Pressure switches,
valves, pressure gauges
and hydraulic oil

Electro-mechanical Clamping Elements Mechanical Clamping Elements

Electro-mechanical Clamping Elements



5.2620
Tenon-Type Clamps
self-locking
with position monitoring



5.2640
Swivel and Pull Clamps
self-locking
with position monitoring



5.2650
Swing Clamps
with position monitoring



5.2670
Wedge Clamps
for flat or tapered clamping edge

Mechanical Clamping Elements



6.2210
Sliding Clamps
with integral
high-pressure spindle



6.2270
High-Pressure
Spindles, mechanical
with integrated wedge
system



6.2274
Clamping Nuts
mechanical
with through-hole thread,
without clamping force
display



6.2275
Clamping Nuts
mechanical
with blind hole thread,
without clamping force
display



6.2276
Clamping Nuts
mechanical
with through-hole thread
and optional clamping
force display

Die Changing Technology

Elements and systems for quick, simple and safe die change

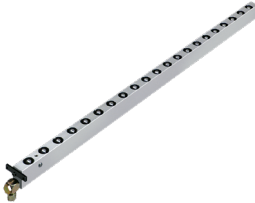
Roller, Ball and Transport Bars

Roller Bars



8.18340
hydraulic
with lifting of the bar

Ball Bars



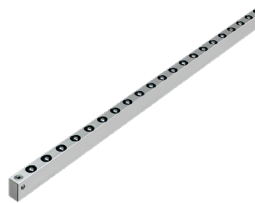
8.18341
hydraulic
with lifting of the individual balls

Roller Bars



8.18342
hydraulic
with lifting of the individual rollers

Ball Bars



8.18343
mechanical
with spring pack

Roller Bars



8.18344
mechanical
with spring pack

Roller and Ball Inserts



8.18345
mechanical
with spring pack

Roller Conveyors

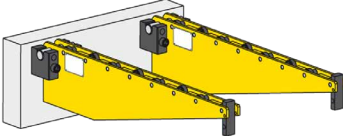


8.18347
mechanical
without spring pack

**Carrying Consoles
Die Changing Consoles**

Carrying Consoles

Carrying Consoles



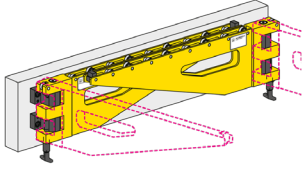
8.18350
hanging
load per pair up to 30 kN

Carrying Consoles



8.18351
supported
load per pair up to 250 kN

Carrying Consoles



8.18352
swivelling
load per pair up to 60 kN

Die Changing Consoles

Die Changing Consoles



8.18353
electrically driven
with push-pull drive
die weight up to 25 tons

Die Changing Consoles



8.18354
manually driven
with crank handle
and transmission gearing
die weight up to 6 tons

Die Changing Consoles



8.18360
electrically driven
with push-pull chain drive
die weight up to 50 tons

Push Chain Direct System



8.18362
with Push-pull System
electrically driven
ewith push chain drive
die weight up to 40 tons

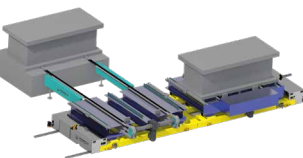


**Die Changing Carts
Rack Systems for Die Storage**



**Magnetic Clamping Systems
On- and Off-shore Rotor Locks**

Die Changing Carts

RW 500  8.8900 manually movable with safety docking station max. load capacity 500 kg	RW 1000  8.8901 manually movable with safety docking station max. load capacity 1,000 kg	RW500 DS/RW850 S/ RW850 elmo  8.8901A manually movable or fully electric lifting and moving with docking bar max. load capacity 850 kg	RWA 1600  8.8902 electrically movable electro-hydraulic lifting platform without and with push-pull system max. load capacity 1,600 kg
RWA 2500/4000/6000  8.8904 electrically movable electro-hydraulic lifting platform with push-pull system max. load capacity 2,500, 4,000 or 6,000 kg	RWT  8.8905 electrically movable electro-hydraulic lifting platform with push-pull system max. load capacity 4,000 kg	Die Load Platform RLP  8.8915 hydraulic with die changing table hand pump and hydraulic ball bars max. load capacity 1,000 kg	Die Changing Cart RWS  8.8920 rail-guided electrically movable with integrated push-pull system max. load capacity 40 tons

Rack Systems for Die Storage

Rack Systems  8.8910 with integrated ball or roller bars

Magnetic Clamping Technology

 9.1132 Magnetic Clamping Systems for Sheet Metal Forming R-MAG-M operating temperature up to 100°C	 9.1134 Magnetic Clamping Systems for Injection Moulding Machines R-MAG-P operating temperature up to 150°C	 9.1136 Magnetic Clamping Systems for Rubber Moulding Presses R-MAG-R operating temperature up to 230°C	 9.1138 Magnetic Clamping Systems for Mould Carriers R-MAG-F operating temperature up to 100°C
 9.1140 Magnetic Clamping Systems for Die Casting Machines R-MAG-D operating temperature up to 200°C			

On- and Off-shore Rotor Locks

Rotorlock  wz.roemheld.de/en/rotorlock Locking cylinder to fix rotors of large off-shore wind power plants for maintenance work
--



Argentina Nelso Ferreyra S.R.L. Ing. Huergo 1387 Parque Industrial-C.C. No. 144 C.P. 2400 San Francisco-Córdoba Phone +54 3564 420755 ventas@dri-lex.com www.dri-lex.com	Australia Romheld Automation Pty Ltd. Unit 7, 62-66 Turner Road Smeaton Grange, NSW 2567 Phone +61 297 21 1799 sales@romheld.com.au www.romheld.com.au	Belgium ITB Benelux BV Minervum 7215 4817 ZJ Breda Phone +31 162 43 1691 info@itb-bv.nl www.itb-bv.nl	Brazil Sanposs TSCI Ltda. Rua Cândia nº 65 – Jardim do Mar São Bernardo do Campo – São Paulo, 09726-220 Phone +55 11 4126 6711 sanposs@sanposs.com.br www.sanposs.com.br
China Roemheld Production Systems (Nanjing) Co., Ltd. 27-1 Guangyue Road, Qixia District 210033 Nanjing Phone +86 25 8576 6862 info@roemheld-china.com www.roemheld.com	Denmark Duroc Machine Tool Danmark Ribevej 14 8940 Randers SV Phone +45 86 412011 info.machinetool.dk@duroc.com www.duroc.com	France Roemheld S.A.S. 2 rue Parc des Vergers 91250 TIGERY Phone +33 1 64 97 97 40 info@roemheld.fr www.roemheld.fr	Finland Tanreco Oy Konepajankatu 11 11710 Riihimäki Phone +358 19 77 485 myynti@tanreco.fi www.tanreco.fi
Great Britain ROEMHELD UK Ltd. Unit 9 B Village - Endeavour Park Baker Road - Nelson Park West Cramlington NE23 1XA Phone +44 1670 281 400 sales@roemheld.co.uk www.roemheld.co.uk	India Oriental Engineering Works Pvt. Ltd. Oriental Crossing, Industrial Area Yamuna Nagar 135 001 (Haryana) Phone +91 17 32 25 17 50 info@oewin.com www.oewin.com	Italy CAMAR S.p.A. Via Genova 58/A 10098 Cascine Vica-Rivoli (TO) Phone +39 011 959.16.26 r.a info@camarspa.it www.camarspa.it	Japan Roemheld · Halder Co., Ltd. 2-14-8 Yushima, Bunkyo-ku Tokyo 113-0034 Phone +81 03 6284 2501 info@rohal.jp www.rohal.jp
Netherlands ITB Benelux BV Minervum 7215 4817 ZJ Breda Phone +31 162 43 1691 info@itb-bv.nl www.itb-bv.nl	Norway Duroc Machine Tool AS Anolitveien 7 1401 Ski Phone +47 64 91 4880 info.machinetool.no@duroc.com www.duroc.com	Austria B-S-D Spanntechnik GmbH Sportplatzstraße 31 3385 Markersdorf Phone +43 2749 728 70 office@bsdustria.com www.die-spanntechniker.at	Poland INMET-BTH® ul. Jasna 1–5 43 –190 Mikołów Phone +48 32 738 49 49 Mobil +48 604 268 726 biuro@roemheld.pl www.roemheld.pl
Portugal DRIFTEC, Lda Rua Adelino Amaro da Costa, nº 330 4470-225 Maia Phone +351 962 502 614 driftec@driftec.pt www.driftec.pt	Romania SC PARCON FREIWALD SRL Str. Depozitelor Nr. 22 540240 Târgu Mures Phone +40 365 410 572 comert@parconfreiwald.ro www.parconfreiwald.ro	Russia DIFLEX LLC 3 Okskaya Naberezhnaya, Dzerzhinsk 606030 Nizhniy Novgorod Region Phone +7 831 228 74 55 info@roemheld.ru www.roemheld.ru	Sweden Duroc Machine Tool AB Snedgatan 1 342 50 Vislanda Phone +46 86 30 23 00 info.machinetool.se@duroc.com www.duroc.com
Switzerland FN Niederhauser AG Spanntechnik und Systeme Allmend 39, 6204 Sempach Phone +41 41 340 50 75 info@niederhauser.ch www.niederhauser.ch	Singapore Techpro Machine Tools Pte. Ltd. Block 2021, Street 23 Bukit Batok Industrial Park A, Unit 02-190 Singapore 659526 Phone +65 6567 6677 enquiry@techpro.com.sg www.techpro.com.sg	Slovenia Halder norm + technik d.o.o. Miklavška cesta 50 2311 Hoče Phone +386 2 61 82 646 info@halder.si www.halder.si	Spain OBON Técnica de sujeción, S.L. Calle B, número 10 Polígono Industrial Can Xinxà 08348 Cabrls (Barcelona) Phone +34 93 576 87 10 info@obonsl.es
South Africa Stefan Hulme Clamping Technology Bokmakierie Street, Theresapark, Villa Casia Pretoria Phone +27 82 478 9111 stefan@ctza.co.za www.clampingtechnology.co.za	South Korea Halder Roemheld Korea Ltd. B-1405 Woolim Lions Valley 2 Cha, 146-8 Sangdaewon-dong, Jungwon-gu Seongnam-si, Gyeonggi-do, South Korea Phone +82 31 455 47 62 info@halder-roemheld.co.kr www.halder-roemheld.co.kr	Taiwan Jimmore International Corp. 120-2 Sec. 2 Fusing Road, South District Taichung City 40252 · Taiwan Phone +886 4 2260 53 52 trade@jimmore.com.tw www.jimmore.com.tw	Thailand Krasstec Co., Ltd. 1205 Rama 9 Soi 55 Rama 9 Road Suan Luang - Bangkok 10250 Phone +66 273 21144 krasscom@krasstec.com www.krasstec.com
Czech Republic Presston spol s.r.o. Božetěchova 50 61200 Brno Phone +420 541 248 853 presston@presston.cz www.presston.cz	Turkey Hidkom Mühendislik-Müessilik Ltd. Organize Sanayi Bölgesi 75, Yıl Cd. Demirciler Sit. B Blok No.2 16220 Nilüfer / Bursa Phone +90 224 243 82 92 hidkom@hidkom.com www.hidkom.com	Hungary GIMEX Hidraulika Kft Selyem utca 1 9025 Győr Phone +36 96 52 55 88 info@gimex.hu www.gimex.hu	USA / Canada / Mexiko ROEMHELD North America – Carr Lane Roemheld Mfg. Co. 927 Horan Drive Fenton, Missouri 63026 Phone +1 636 386 80 22 info@clrh.com www.roemheld-usa.com



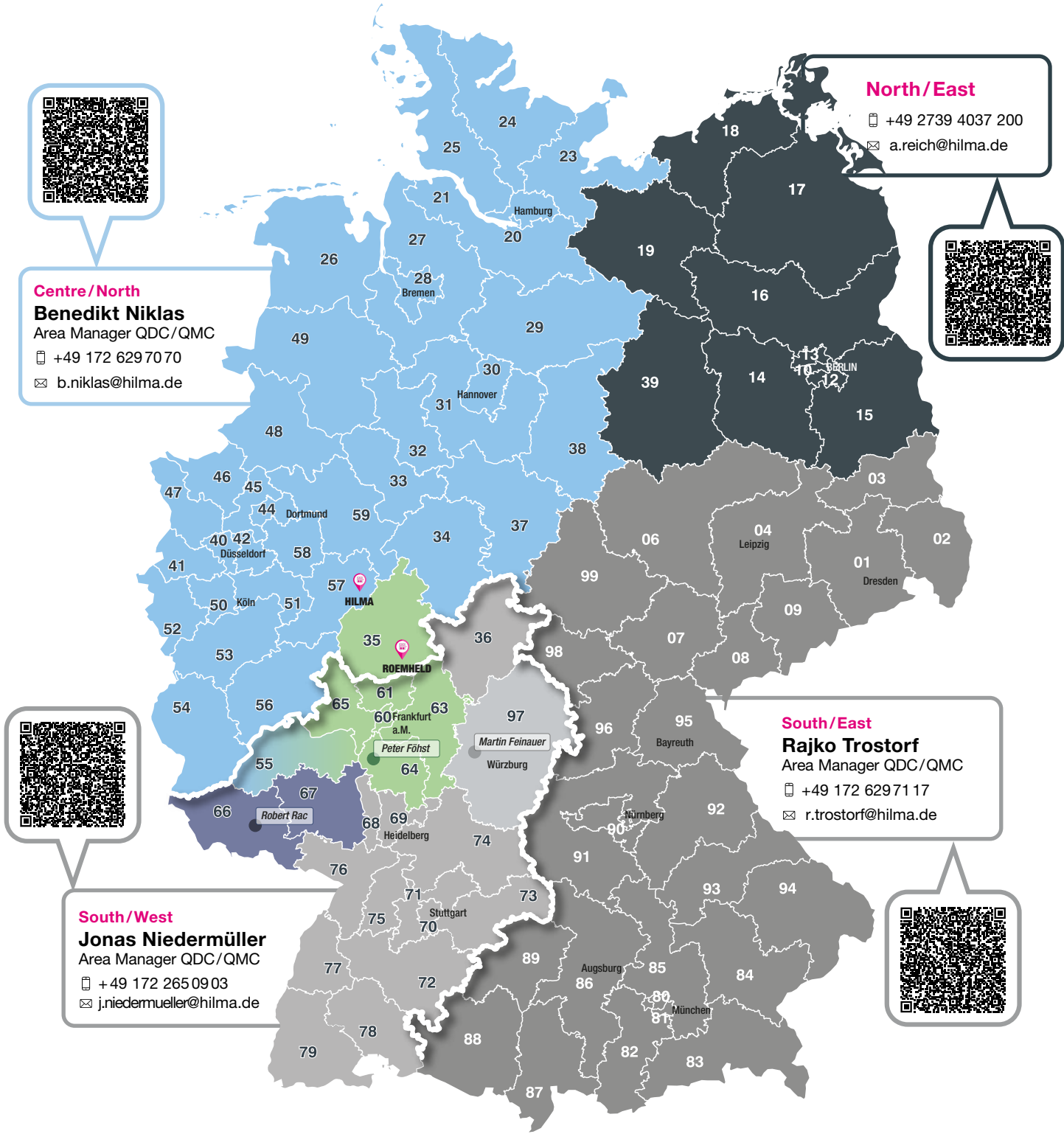
Römheld GmbH
Friedrichshütte
Römheldstraße 1–5
35321 Laubach, Germany

Tel.: +49 6405 89-0
info@roemheld.de
www.roemheld.com



Hilma-Römhheld GmbH
Competence Center
Die Clamping and Changing Technology
Auf der Landeskronen 2
57234 Wilnsdorf-Wilden
Germany

Tel.: +49 2739 4037-0
info@roemheld.de
wz.roemheld.com





ROEMHELD
HILMA ■ STARK

Everything for a quick and safe die change on presses, machines and plants

from storage, transport and insertion to positioning and clamping of dies

Complete solutions from a single source!

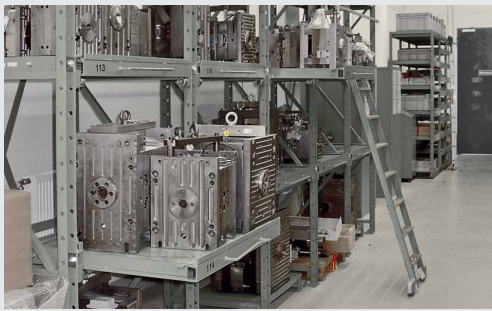
Your advantages

- Quick die change - easy and safe
- Reduction of set-up times
- Possible automation of the die change
- Higher productivity

STORAGE

RACK SYSTEMS FOR DIE STORAGE

Heavy duty shelving with integrated ball and roller bars



TRANSPORT

DIE CHANGING CARTS

for the safe handling of heavy dies



INSERTION

CARRYING CONSOLES / ROLLER AND BALL BARS

for the movement of dies



POSITIONING AND CLAMPING

DIE CLAMPING SYSTEMS

hydraulic, magnetic,
elektro-mechanical or mechanical



Römheld GmbH

Friedrichshütte
Römheldstraße 1–5
35321 Laubach
Germany

Tel.: +49 6405 89-0
info@roemheld.de
www.roemheld.com