

Holmatro

Powering Innovation



For over 55 years, we have been leading the way in innovation in high-pressure hydraulic solutions.

We continuously immerse ourselves in our customers' industries and challenges. This knowledge, combined with our many years of experience, allows us to develop high-quality solutions that enhance our customers' efficiency, safety and performance.

We constantly challenge ourselves to deliver innovative, reliable and safe solutions to our customers. This drive led us to explore the world of reroiling & recovery, where we seek to utilise our knowledge and expertise to perform this crucial task with enhanced safety, efficiency and control,

ultimately bringing more cost-effectiveness to operations.

Reroiling – Recovery Systems

When developing a system with these parameters, you want to make sure you understand your customer's needs. So we teamed up with ProRail, the leading Dutch rail infrastructure management company, and responsible for the recovery of all derailed trains within the Netherlands.

With this cooperation, we studied and examined the reroiling systems available in the market and were able to combine years of experience in reroiling, years of experience in high-pressure hydraulics and modern technology in one single system.



- Load lowering valves on each cylinder, ensuring lowering is possible in a controlled manner without the load having any influence on lowering.
- Integrated hose rupture security feature in the lowering valves on each lifting cylinder; ensured safety, because of the load holding function, even in the event of a hose rupture.

CONTROLLED

Working with high-pressure hydraulics requires great responsibility. Holmatro high-pressure hydraulic systems are designed to offer you controlled power.

- We offer a wireless, remote-controlled pump unit; no need to carry out a heavy, noisy pump unit into the field.
- Our traverse cylinder carries an equal capacity for both pushing and pulling, enabling you to both push and pull the vehicle into position, usable in any position and either direction.
- Inside the traverse sleds, you will find an additional internal sled, compensating for the radius the train makes, working with less or even without repositioning of the system during operation.
- An indicator on the traverse sleds will alert the operator to the traverse limits. This prevents the instability of the railway vehicle and the equipment.
- Sled fill plates are used to place the cylinder closer to the lifted object and not lose stroke of the plunger to reach it.
- Adapter plates are used to position the cylinder directly at the center of the traverse sled or filing plate.
- Finally, we added a locking device. Should you work in a sloped position, this device prevents the system from shifting downwards and therefore prevents the creation of an unsafe situation.

FAST

A system with maximum performance, at a minimum weight.

- Holmatro rerailing cylinders are fully made of aluminum; this makes them sufficiently lighter and way easier to carry (by one or two people).
- Fully aluminum beams, which are lightweight and easy to carry. With the connecting set, you can connect different lengths of beams without the use of special or additional tools.

Johan Knuivers, ProRail: *“The result of our close collaboration was astounding. We have three sets of Holmatro rerailing systems in use, and together they are deployed 50–60 times per year. Due to the lower weight, safety features and ergonomics of the components, the system enables us to work faster and safer. This has resulted in the fact that we could do our job in two hours less per deployment. This time reduction and more ergonomic and safer deployment have also led to less absenteeism of our employees.”*

Discover Holmatro’s Rerailing Systems

SAFE

When working in demanding circumstances and time is of the essence, you want to ensure a safe work environment above all.

- To increase stability and safety, we use stacking rings when the cylinders are extracted. They are easy to safely place around the plunger of the lifting cylinder; they mechanically lock the load in position for a longer time; and they therefore enable you to work safely near and under the load.
- Easily replaceable slide bearings both under and in the traverse sled; safer operation with less stress on the railway vehicle and the equipment. No steel wheel rollers needed, decreasing maintenance & weight.
- An indicator on the traverse sleds will alert the operator to the traverse limits, preventing instability of the railway vehicle and the equipment.
- Coloured hoses & matching colours on the outlets of the pump unit and/or control table; reduces the possibility of incorrect assembly and thus faulty operations.

- Our traverse sleds contain sliding bearings made of low-friction Teflon-like material (UHMWPE), and do not have steel wheel rollers, so you will experience:
 - o Less friction
 - o A huge weight reduction
 - o Less chance of damaging the beams
 - o Less maintenance
- Our traverse struts are fully made of aluminum, and thus lightweight distance bars are used to keep the sleds in position. For stability reasons, Holmatro uses two bars.
- Since the traverse sleds have sliding bearings, decreasing friction, you can work with a lower capacity traverse cylinder, resulting in a lighter cylinder. With the Holmatro system, only a 12-ton traverse cylinder is required.
- All system components have optimally placed grips; easy to carry, by just one or two people, and easy to assemble and disassemble without the use of any extra equipment.

Holmatro Compact Rerailing Unit

The lightest solution for rerailing lightweight railway vehicles, with the highest precision.

- Weight ready for use: only 54kg
- Easy transportation to the accident site
- Easy to install due to its compact dimensions
- Equal, split flow pump unit
- Core hose technology; press and return one single hose enabling you to switch between control valves, while the pump is running
- Remote-controlled valves give you an excellent overview of the situation

Quality & Reliability

Holmatro develops, designs, manufactures and delivers high-pressure hydraulic solutions, providing safety, reliability and durability to our customers and users. Our tools and systems are developed, manufactured and maintained in conformity with the highest quality standards of durability, side load, mechanical distortion and overpressure.

Health, safety, security, environment and quality (HSSEQ) are core values throughout the entire Holmatro organisation. Our leaders set the standard, ensuring every employee takes personal responsibility for HSSEQ, protecting coworkers, customers and visitors alike, proven by our ISO 9001, 45001 for Health & Safety, and 14001 for Environmental Management certifications.

Holmatro Premium Service Programme

In addition to quality, we focus on unburdening our customers. Our in-house specialists and global partner network offer direct support, maintenance, spare parts and training as well as on-site training and consultancy. Our long-standing experience and the local market knowledge of our partners ensure safe applications, maximum reliability and a longer lifespan.

For more information [click here to email Harro Joustra](mailto:harro.joustra@holmatro.com), Commercial Manager Rerailing Systems.

www.holmatro.com/en/

