

Holmatro

Rerailing Systems



Founded in 1967, Holmatro has more than 55 years of experience in designing, developing and producing high-pressure hydraulic tools and systems for both the industrial and rescue markets. With this experience, we challenge ourselves every day to deliver safe, reliable, durable and innovative solutions to our customers.

That is exactly what drew us to the world of rerailing. How can we use our knowledge and experience to get the job done safer, faster yet controlled and, in the end, create more (cost) efficiency in the operation? *“We help make the world move forward.”*

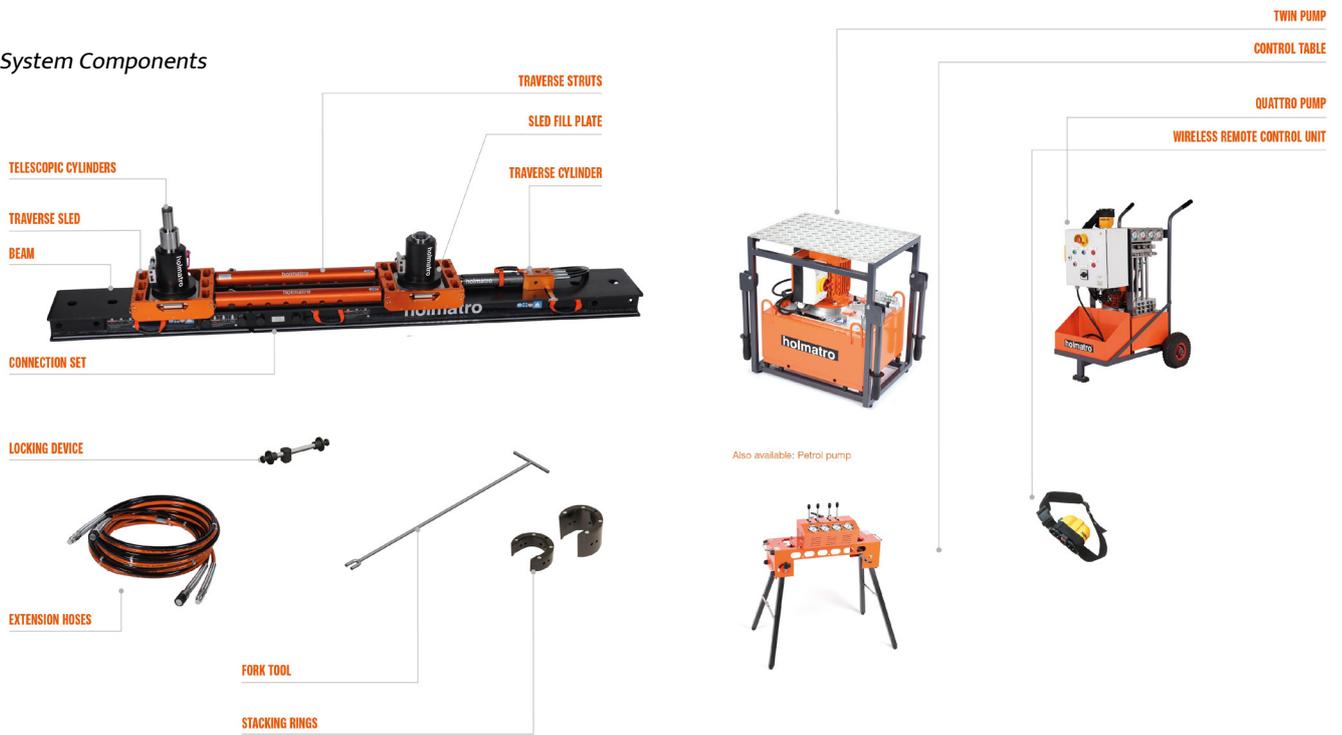
When developing a system with these parameters, you want to make sure you understand your customers’ needs. So we teamed up with ProRail; the leading

Dutch rail infrastructure management company, and responsible for recovery of all derailed trains within the Netherlands.

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

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 has also led to less absenteeism of our employees.”

System Components



Discover Holmatro's Rerailing Systems

Safe

When working in demanding circumstances and when 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:
 - Easy to safely place around the plunger of the lifting cylinder
 - Mechanically locks the load in position for a longer period of time
 - Enabling 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 and weight
- An indicator on the traverse sleds will alert the operator to the traverse limits; prevents instability of the railway vehicle and the equipment
- Coloured hoses and matching colours on the outlets of the pump unit and/or control table; reduces the possibility of incorrect assembly and thus faulty operations
- Load-lowering valves on each cylinder; ensuring lowering is possible in a controlled manner without the load being of 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 or pull the vehicle into position; it is usable in any position and in either direction.
- Inside the traverse sleds, you will find an additional internal sled, compensating the radius the train makes; you can work 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 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 the stroke of the plunger to reach it.
- Adapter plates are used to position the cylinder directly at the centre of the traverse sled or filling plate.

- Last but not least, we added a locking device. Should you work in a sloped position, this device prevents the system from shifting downwards and therefore prevents an unsafe situation from developing.

Fast

A system with maximum performance at a minimum weight.

- Holmatro rerailing cylinders are fully made of aluminium; this makes them light and easy for one or two people to carry.
- Fully aluminium 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.
- Our traverse sleds contain sliding bearing made of a low-friction Teflon-like material (UHMWPE), and do not have steel wheel rollers, so you will experience:
 - Less friction
 - A huge weight reduction
 - Less chance of damaging the beams
 - Less maintenance
- Our traverse struts are fully made of aluminium 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-tonne 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 to rerail lightweight railway vehicles, with the highest precision:

- Weight ready for use only 54 kg
- Easy transportation towards the accident
- 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

Holmatro Premium Service Programme

When working in demanding circumstances with high-pressure hydraulics, correct and periodic maintenance is key to working safely and creating (cost) efficiency:

- Minimise risks
- Reduce downtime
- Increase lifespan

To prevent unnecessary damage, downtime, frustration, costs and unsafe situations, we offer you a complete after-sales and service programme.

Watch our Rerailing system video [here](#).

For more information please contact:

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mastering power