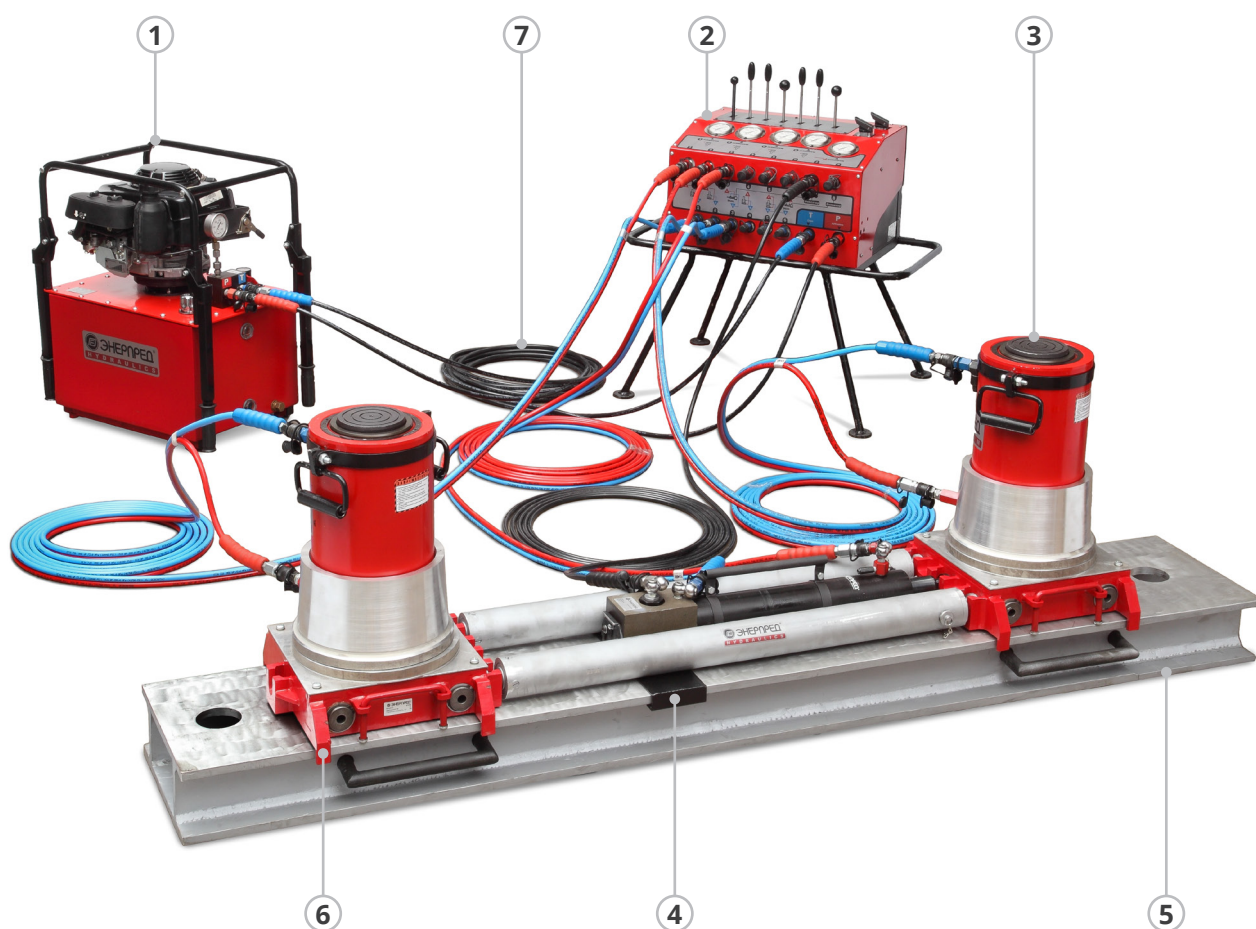


# HARS-500

## HYDRAULIC LIGHT-METAL RERAILING EQUIPMENT

Operating pressure: 500 bar

Maximum capacity: 1700 kN



### Main components of the system:

- 1. Pump Unit** - for generate hydraulic pressure and supply fluid to cylinders
- 2. Control Unit** - for control of hydraulic system flow
- 3. Lifting Cylinder** - for lifting/lowering rolling stock
- 4. Displacing Cylinder** - for lateral displacement of roller carriage along the rerailing bridge
- 5. Rerailing Bridge** - is designed to support roller carriages and cylinders when raising and moving rolling stock
- 6. Roller Carriage** - for lateral displacement of rolling stock along the rerailing bridge
- 7. High Pressure Hose** - is used to connect all elements of the hydraulic system

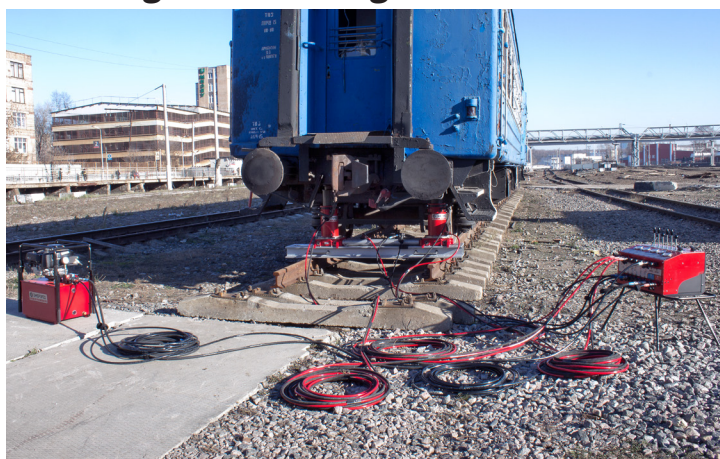




**Application:** Rolling stock, Light rail transport

## Powering & Controlling

**PAGES 28 - 33**



- The equipment is intended to provide pressure and supply hydraulic fluid to the ENERPRED system elements in order to re-rail the rolling stock
- The equipment is intended to control (distribute the hydraulic flow) operation of the ENERPRED system elements in order to re-rail the rolling stock

## Lifting

**PAGES 34 - 37**



- The equipment is intended to lift, hold and lower the rolling stock to the rails

## Displacing

**PAGES 38 - 43**



- The equipment allows accurate alignment of the rolling stock (already lifted by the cylinders) as related to the rail track and its movement in the lateral direction
- When the rolling stock is in correct position, it is lowered down to the rails