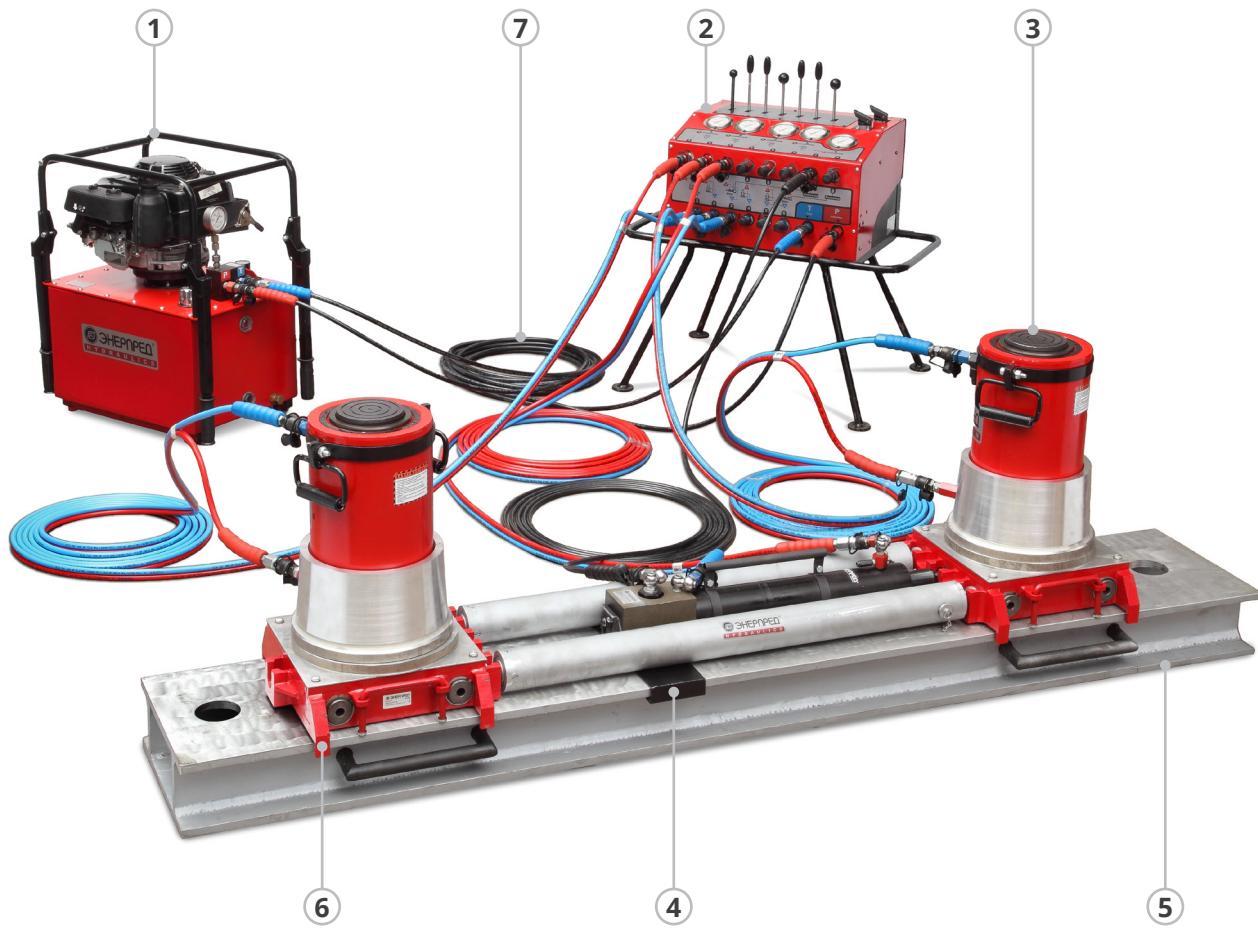


HARS-500

HYDRAULIC LIGHT-METAL RERAILING EQUIPMENT

Operating pressure: 500 bar

Maximum capacity: 1700 kN



Main components of the system:

- Pump Unit** - for generate hydraulic pressure and supply fluid to cylinders
- Control Unit** - for control of hydraulic system flow
- Lifting Cylinder** - for lifting/lowering rolling stock
- Displacing Cylinder** - for lateral displacement of roller carriage along the rerailing bridge
- 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

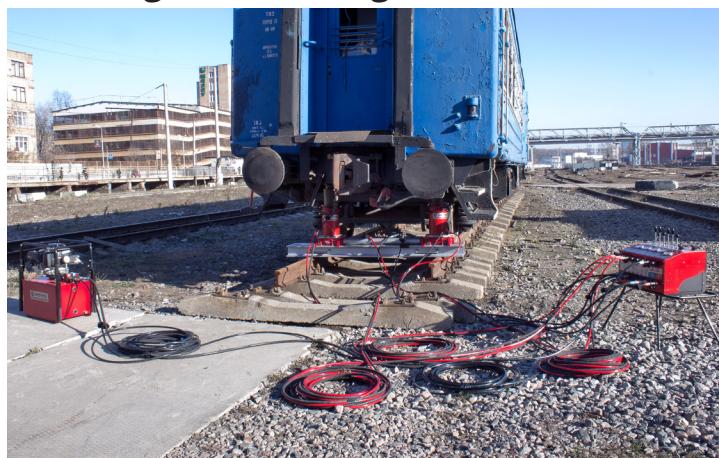
7. High Pressure Hose - is used to connect all elements of the hydraulic system



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